



**GOVERNMENT OF ODISHA
FOREST DEPARTMENT**

REVISED WORKING PLAN

OF

**GHUMSUR SOUTH FOREST DIVISION
FOR THE PERIOD FROM 2014-15 TO 2023-24**

Prepared by:
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Under the Guidance of

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INDEX MAP OF GHUMSUR SOUTH FOREST DIVISION

10 5 0 5 10 Kilometers
(SCALE: 1:1,80,000)



LEGEND

- SETTLEMENT
- NATIONAL HIGHWAY
- MAJOR ROAD
- DIVISION
- RANGE
- SECTION
- DIST
- COMPARIMENT
- COUPE
- MANAGED COUPE
- FOREST BLOCK
- NEW FOREST RESERVE



Ministry of Forests and Environment
Government of Bhutan
Dooishah, Thimphu
Bhutan

FOREWORD

Ghumsur (South) Forest Division is one of the three Forest Division, which was carved out from Ghumsur forest of Ganjam District. The forest Divisions, as it exist today, was notified vide Notification No. 20371 - F dated 9th November, 1965 of the Forest Department, Government of Orissa. The forests of Ghumsur (South) Forest Division comprise the Reserved and non-reserved forests of Sorada, Buguda, Kodala, Aska and Berhampur ex-zamindaries. No. documentary evidence are available with regard to management of these forests till 1851. However the management records pertaining to the period 1852-1957 are available in respect of forests of Sorada and Buguda ex-Zamindaries, whereas, the said records are not available in case of forests of Kodala, Aska and Berhampur ex-zamindaries. The Reserved Forests of the Division had been managed under several Working Plans at different points of time till a consolidated Working Plan for the period 1940-41 to 1959-60 was prepared by Mr. Khan. Mr. Khan's Plan was extended from 1960-61 to 1969-70. Mr. R. N. Mohanty revised Mr. Khan's Plan and prepared the revised Working Plan of the Division for the period from 1970-71 to 1990-91, which was extended upto 2000-2001.

The management scenario, in case of non-revised forests of the Division, includes different systems like permit system. Nistar system and system adopted during Anchal Administration till assets and liabilities of these forests were transferred to the control of the Forest Department. These forests, after transfer to the Forest Department, were managed as per the scheme prepared by Mr. L. K. Pattnaik for the period from the period from 1961 to 1981. Late S. Padhi revised Mr. Pattnaik's scheme and prepared the revised scheme for the period 1980-81 to 1989-90 , which was extended upto 2000-2001.

This Plan has attempted to revise Mohanty's Plan and Padhi's scheme in order to bring management of reserved forests and non-reserved forests to its fold.

Mr. Sudhakar Mohapatra, IFS (Retd.) former Conservator of Forests, Berhampur Circle prepared the 1st PWPR for revision of Mohanty's Plan. He also prepared an addendum for revision of Padhi's scheme and inclusion of the same in the revised Plan. The 1st PWPR along with addendum was approved by the Principal CCF, Orissa on 6-11-1996. Mr. O. P. Singh, IFS, former Working Plans Officer, Bhanjanagar prepared the 2nd PWPR, which was approved by the Working Plans Committee on 12-11-1998.

Mr. O.P. Singh, IFS, former Working Plans Officer, Bhanjanagar and Mr. Prem Kumar Jha, IFS, present Working Plans Officer, Bhanjanagar have contributed for preparation of this Plan. But the lion share of the credit goes to the latter in as much as he has contributed to all aspects of the revision process barring preparation of 2nd PWPR. He has left no stone unturned to prevail over the previous Plan and the previous scheme and to produce this plan making it informative and qualitative. Undoubtedly this Plan has brought about substantial improvements over the outgoing Plan and scheme.

The salient features of this Plan are as follows:

- i. Compartment histories have been prepared *de novo*. Stock maps and other maps have been appropriately revised.
- ii. Time series data on temperature, rainfall and humidity have been developed and critically analysed.
- iii. Stock mapping, regeneration survey and stock enumeration have been undertaken. Data collected have been analysed and conclusions have been arrived at.
- iv. This Plan includes the result of bio-diversity survey and has worked out bio-diversity indices with regard to species richness. It also highlights impaired structural bio-diversity owing to intensive biotic interference. Detailed analysis of crop composition, structure and density have been

provided. These indicators shall set a benchmark for future use and comparison.

- v. Soil profile analysis has been undertaken in almost all the forest blocks and nutrient status and other parameters have been assessed.
- vi. Study on soil erosion has been undertaken, in which the type of soil erosion, extent of area affected and magnitude of the problem have been discussed along with remedial measures.
- vii. The Working Plan has calculated its cost. This apart it has provided detailed account of benefits to be accrued on various scores. This Plan has never intended at exploitation and that is why the cost-benefit ratio is not attractive and it should not be a cause of concern in view of the strive taken to build up the capital asset. This will certainly provide long-term gain for which proposed investments are to be made and result is to be awaited with patience.
- viii. The plan has used the improved statistical methods to estimate number of trees (of and above 30 cm girth) and their volume in different forest blocks and in the entire division. The data so collected has been used to estimate the *insitu* capital value of the growing stock, which has been estimated at Rs. 513.462 crores.

Mr. P. K. Jha, IFS, Working Plans Officer, Bhanjanagar and his team have done splendid job to bring this plan to light and their efforts deserve appreciation. Mr. P. K. Sahoo, OFS (II), AWPO, Bhanjanagar deserves to be acclaimed for his immaculate assistance to his WPO for preparation of this Plan. Hopefully, this Plan will be of immense use to the Forest Managers, Policy makers, researchers and academicians.

Bhubaneswar
Dated the _____.

Sj. Surendra Prasad Mohapatra, IFS
Chief Conservator of Forests,
Working Plan Officer, BBSR.

INTRODUCTION

The forests of Ganjam District have undergone several reorganizations in the 20th century. The scientific management of the forests of Ghumsur (South) Forest Division dates back to 1884. The first Working Plan for the Reserved Forests was written by Mr. Minchin for the period 1915 - 30, followed by Mr. Nair for 1930 - 40, Mr. Khan for 1941 - 60 and Mr. Mohanty for 1970 - 90. The non-reserved forest areas were included for the first time for their scientific management by Mr. P. K. Jha, IFS for 2001-02 to 2010-11. Most of these non-reserved forests were ex-zamindari, Reserve lands which are legally classified as Proposed Reserved Forests and Demarcated Protected forests. The outgoing plan expired on 31.03.2011 and was given subsequent extension upto 2011-12 and 2012-13 the Govt. of India, MoEF, communicated vide memo no. 15731/11F(SFM) -12/2011 dated 21.10.2011 & vide memo no. 14634 dtd. 05.09.2012 of PCCF, Odisha, Bhubaneswar.

The first Preliminary Working Plan Report was drawn up by Dr. J. P. Singh, IFS, Regional Conservator of Forests, Berhampur during 2011, which contained the guidelines for specific field works and outlined formation of Working Circles and broad principles of management. The CF & WPO, Bhubaneswar has assigned with the Revision of Working Plan of Ghumsur South Division vide memo no. 10418/11F(SFM)-23/2010 dated 16.07.2011 of PCCF, Odisha, Bhubaneswar. Hence Sri El Yanger Aier, CF&WPO, Bhubaneswar submitted the 2nd Preliminary Working Plan Report during August 2012. This Plan has been prepared keeping in view the principles contained in the National Forest Policy-1988 with conservation of bio-diversity and people's participation and in commensurate with National Working Plan Code-2004.

Ghumsur (South) Forest Division has been reorganized on 01.10.2003 by carving out the Berhampur Range in full, Kodala Range in part & Berhampur Division has been formed. Kodala Section of Kodala range was elevated to the status of forest range and Polsara range was created & kept under Ghumsur (South) Division. Badagada Section of Sorada range was upgraded to the status of forest range & Badagada range was created. Goudugoth Section of Paralakhemundi forest division with amalgamated with Badagada range & brought under Ghumsur (South) Division. This Working Plan will covers 29 blocks of Reserved Forests, 06 blocks of Proposed Reserved Forests, 22 blocks of Demarcated Protected Forests, 02 blocks of Undemarcated Protected Forests and 13 Village forests extending over 111738.10 ha.

Some of the salient features of this Plan are as follows.

1. 1% Enumeration in Rehabilitation Working Circle, Bamboo (Overlapping) Working Circle, 5% enumeration in Selection Working Circle has been taken up & analysis of crop composition have been done in all the forest blocks of the Division, in respect of different species. The growing stock and volume have been calculated after following rigorous statistical techniques.
2. NTFP & Bio-diversity survey has been conducted over forest blocks of Aska, Badagada & Sorada range by Working Plans, Bhubaneswar and Buguda & Polsara range by Ghumsur (South) Division. The Biodiversity Index has been calculated. A total no of species found in the Division are listed. The availability of NTFP species & Medicinal plants have been assessed
3. Regeneration surveys for different species have been done in most of the blocks.

4. The 2% enumeration of plantation area has been taken up to assess the growing stock of plantation working circle.
5. The allotment of the blocks to various Working Circles has been done after detailed statistical analysis of enumeration, regeneration and biodiversity survey data.
6. Management maps, Stock maps, Index maps, Administrative maps and Working Plan Maps have been prepared in 1:50,000 scale.
7. The demand of timber, firewood and fodder has been assessed.
8. Realistic financial forecasting of cost of implementation of plan and cost benefit analysis has been done.

It is hoped that the present Working Plan will go a long way in the sustainable management & conservation of the forests in the Division. Any suggestions, criticisms are always welcomed for further improvement.

Sj. Surendra Prasad Mohapatra, IFS
Chief Conservator of Forests & Working
Plan Officer, Bhubaneswar.

ACKNOWLEDGMENTS

This Revised Working Plan of Ghumsur South Division could see the light of the day on 31st March, 2015 due to the sincere efforts and contributions from the various officers as well as the staff of Odisha Forest Department and other line departments for which I duly acknowledge their assistance, inputs and co-operations with deep sense of gratitude.

I am thankful to Sri J. D. Sharma, IFS for his inspiration and guidance. I am also gratefully indebted to the Working Plan Committee for providing useful guidance during the review meeting under the Chirmanship of Sri P. N. Padhi, IFS (PCCF, Odisha, Retd.), held on 12th November, 2012. My thanks are also to Sri EL Yanger Aier, IFS, the Ex-CF&WPO, Bhubaneswar for his endeavour for preparation of the 2nd PWPR of Ghumsur South Division and drafting some of the initial chapters of this Working Plan basing on which it was possible to prepare this Revised Working Plan. I am also obliged to Sri R. K. Mallik, DFO, Ghumsur South Division for providing all relevant inputs for preparation of this Working Plan.

I want to express my heartiest thanks to Sri Sitaram Pradhan, AWPO, Sri Mihir Kumar Jena, Range Officer, Sri Debendra Kumar Behera, Ranger Officer, Sri Bijaya Kumar Mishra, Forester, Sri Maguni Behera, Forester, Sri Purna Chandra Das, Forester, Sri Pratap Kumar Behera, Forest Guard and Sri Abhijit Mohanty, Forest Guard of this office for their relentless, strenuous field exercises and recording of field data without which it would have not been possible to prepare this Working Plan.

I express my thanks to Sri Biswaranjan Das, OFS-A(JB)(Retd.) for his assistance and sharing his past experiences for compilation of this plan. I must be thankful to Sri Purnendu Kumar Mahapatra, Data Entry Operator for his relentless deliverance for data Entry, Merging, Consolidate, Compile and Yield Calculation of field data and putting the whole Working Plan into Book Format.

I am also sincerely thankful to all my Ministerial and Cutting Edge Staffs of this office for their non-stop spirit of working for preparation of the plan.

Place: Bhubaneswar

Date: _____

Sj. Surender Prasad Mahapatra, IFS
Chief Conservator of Forest &
Working Plan Officer,
Bhubaneswar

SPECIES

TREES & SHRUBS					
SL	Local Name	Scientific Name	SL	Local Name	Scientific Name
1	Acacia	<i>Acacia auriculiformis</i>	106	Kasi	<i>Bridelia retusa</i>
2	Achhu	<i>Morinda tinctoria</i>	107	Kasundi	<i>Casia sophera</i>
3	Achhundi	<i>Calycopteris floribunda</i>	108	Katakala	<i>Strychnos potatorum</i>
4	Adanga/Arguna	<i>Cycas circinalis</i>	109	Kataranga	<i>Gardenia latifolia</i>
5	Akan bindhi	<i>Cissampelos pareira</i>	110	Keheli	<i>Plesmonium margaritifera</i>
6	Amatha	<i>Bahunia malaborica</i>	111	Kendu	<i>Diospyros melanoxylon</i>
7	Amba	<i>Mangifera indica</i>	112	Kerenda koli	<i>Carissa carandas</i>
8	Ambada	<i>Spondius pinnata</i>	113	Khair	<i>Acacia catechu</i>
9	Amla	<i>Emblica officinalis</i>	114	Khajuri	<i>Phoenix sylvestris</i>
10	Ankaranti	<i>Solanum virginianum</i>	115	Khakada	<i>Casearia elliptica</i>
11	Anku koli	<i>Carissa spinarum</i>	116	Khalua /Bana lati	<i>Finlaysonia obovata</i>
12	Ankula	<i>Alangium salvifolium</i>	117	Kharkhari	<i>Clerodendrum indicum</i>
13	Anla	<i>Emblica officinalis</i>	118	Kochila	<i>Strychnos nuxvomica</i>
14	Apamaranga	<i>Achyranthes aspera</i>	119	Kodala	<i>Sterculia villosa</i>
15	Arakha	<i>Calotropis gigentia</i>	120	Koili khia	<i>Hygrophila auriculata</i>
16	Arguna	<i>Cycas circinalis</i>	121	Kolathia /Bana durlava	<i>Tephrosia purpurea</i>
17	Arjuna	<i>Terminalia arjuna</i>	122	Kotunga /Mirga	<i>Salvadora persica</i>
18	Asan/Sahaja	<i>Terminalia alata</i>	123	Krushna parni	<i>Desmodium heterocarpon</i>
19	Ashadhua	<i>Capparis zeylanica</i>	124	Kukurchhelua	<i>Pavetta crassicaulis</i>
20	Aswastha	<i>Ficus religiosa</i>	125	Kumbhi	<i>Careya arborea</i>
21	Atundi	<i>Combretum decandrum</i>	126	Kumbhirapitana	<i>Alstonia scholaris</i>
22	Babul	<i>Acacia nilotica</i>	127	Kurein/Kerunha	<i>Holarrhena antidysenterica</i>
23	Bada gila	<i>Entada rheedii</i>	128	Kuruma/Haland	<i>Haldinia cordifolia</i>
24	Bahada	<i>Terminalia belerica</i>	129	Kusuma	<i>Schleichera oleosa</i>
25	Bana khajuri	<i>Phoenix acaulis</i>	130	Lai langulia /beheda	<i>Celastrus paniculata</i>
26	Bandhana	<i>Desmodium oojeinensis</i>	131	Lankagaba	<i>Jatropha gossypifolia</i>
27	Bara	<i>Ficus benghalensis</i>	132	Lembura moi	<i>Bursera serrata</i>
28	Bara koli	<i>Ziziphus mauritiana</i>	133	Luhagunia /Luhabena	<i>Eragrostis nutans</i>
29	Barada	<i>Bauhinia purpurea</i>	134	Maha nima	<i>Melia azadirachata</i>
30	Barbakulia/Dhobi	<i>Delbergia paniculata</i>	135	Mahula	<i>Madhuca indica</i>
31	Bela	<i>Aegle marmelos</i>	136	Mai/Indramahi	<i>Lannea coromandelica</i>
32	Bhada bhadalia	<i>Oxal scandens</i>	137	Majur godia	
33	Bhaincha koli	<i>Flacourtia jangomos</i>	138	Manda /Mukha	<i>Schrebera swietenoides</i>
34	Bhalia	<i>Semecarpus anacardium</i>	139	Mankada kendu	<i>Diospyros malabarica</i>

TREES & SHRUBS					
SL	Local Name	Scientific Name	SL	Local Name	Scientific Name
35	Genduli	<i>Sterculia urens</i>	140	Marda /Makari	<i>Millettia extensa</i>
36	Bheru	<i>Chloroxylon swietiana</i>	141	Mayura chulia	<i>Elephantopus scaber</i>
37	Bhrukundi	<i>Hymenodictyon orixense</i>	142	Mundi /Mitikinia	<i>Mitragyna parvifolia</i>
38	Bhurkundi	<i>Hymenodictyon orixense</i>	143	Mundika	<i>Walsura trifoliata</i>
39	Cashew nut	<i>Anacardium occidentale</i>	144	Mura /Modi modika	<i>Helicteres isora</i>
40	Chakunda	<i>Bauhinia semla</i>	145	Murga	<i>Sansevieria roxburghiana</i>
41	Chakundi	<i>Cassia siamea</i>	146	Mutha	<i>Cyperus rotundus</i>
42	Char	<i>Buchanania lanzan</i>	147	Muturi	<i>Smilax zeylanica</i>
43	Chauladhua	<i>Aerva sanguinolenta</i>	148	Nageri	<i>Lantana camara</i>
44	Chauli	<i>Cassine glauca</i>	149	Nahalbeli	<i>Cipadessa baccifera</i>
45	Chemeri barmul	<i>Hemidesmus indicus</i>	150	Narguni	<i>Atlantia malabarica</i>
46	Tunga alu	<i>Dioscorea aculeata</i>	151	Neem	<i>Azadirachta indica</i>
47	Chhelianthua	<i>Psychopria adenophylla</i>	152	Nila chara	<i>Indigofera tinctoria</i>
48	Chimeni	<i>Xylia xylocarpa</i>	153	Ninia	<i>Suaeda monoica</i>
49	Chireigudia	<i>Vitex leucoxylon</i>	154	Nirmuli	<i>Cuscuta reflexa</i>
50	Chireita	<i>Swertia chirayita</i>	155	Nunu nunia	<i>Antidesma acidum</i>
51	Dahidahia /Mushakani	<i>Cocculus hirsutus</i>	156	Paladhua /Manjari	<i>Erythrina variegata</i>
52	Dalsingha /Kurma	<i>Canthium dicocum</i>	157	Palasa /Palsa	<i>Butea superba</i>
53	Dantari	<i>Acacia pennata</i>	158	Panairi /Panuari	<i>Artemisia nilagirica</i>
54	Danti	<i>Baliospermum montanum</i>	159	Panasa	<i>Artocarpus heterophyllus</i>
55	Dhaman	<i>Grewia tiliifolia</i>	160	Pani gambhari	<i>Trewia nudiflora</i>
56	Dhatuki	<i>Woodfordia fruticosa</i>	161	Panijamu	<i>Syzygium operculata</i>
57	Dhaura	<i>Anogeissus latifolia</i>	162	Paniri	<i>Aristolochia bracteata</i>
58	Dhobi	<i>Dalbergia paniculata</i>	163	Pasan vedi	<i>Polycarpaea aurea</i>
59	Dimiri	<i>Ficus racemosa</i>	164	Patuli	<i>Stereospermum chelonoides</i>
60	Enturidi	<i>Argyreia nervosa</i>	165	Paunji /Payal grass	<i>Saccharum spontaneum</i>
61	Eucalyptus	<i>Eucalyptus sps.</i>	166	Paunsia	<i>Aerva lanata</i>
62	Firika	<i>Benkare malaberica</i>	167	Phanphana	<i>Oroxylum indicum</i>
63	Gaba	<i>Ricinus communis</i>	168	Phasi	<i>Anogeissus acuminata</i>
64	Gambhari	<i>Gmelina arborea</i>	169	Piasal	<i>Pterocarpus marsupium</i>
65	Gandha palas	<i>Miliusa velutina</i>	170	Pita kerunha	<i>Holarrhena pubescens</i>
66	Gandhi /Gandhuri	<i>Chromolaena odorata</i>	171	Pitamasia /Pita alu	<i>Dioscorea wallichii</i>
67	Gangasiuli	<i>Nyctanthes arbortristis</i>	172	Pokasungha	<i>Ageratum conyzoides</i>
68	Gaurakasa	<i>Maytenus emarginatus</i>	173	Potam /Pita kanda	<i>Dioscoria bulbifera</i>
69	Genduli	<i>Sterculia urens</i>	174	Purnamari	<i>Carmona retusa</i>
70	Ghodalanjia	<i>Albizia chinensis</i>	175	Puruni	<i>Boerhavia diffusa</i>
71	Gilla	<i>Caesalpinia decapetala</i>	176	Rai	<i>Dillenia pentagyna</i>

TREES & SHRUBS					
SL	Local Name	Scientific Name	SL	Local Name	Scientific Name
72	Giridi	<i>Casearia graveolens</i>	177	Rakta khai	<i>Dracaena terniflora</i>
73	Giringa	<i>Pterospermum canescens</i>	178	Rakta pichali	<i>Gouania leptostachya</i>
74	Gohiria	<i>Acacia leucophloea</i>	179	Ramadantari	<i>Smilax lancifolia</i>
75	Gopakanu /Dudhi	<i>Cryptolepis buchananii</i>	180	Rani dantakathi	<i>Flemengia chappar</i>
76	Gudamari /Putrani	<i>Pygmaeopremna herbacea</i>	181	Sagar batua	<i>Eugenia bracteata</i>
77	Guguchia	<i>Chrysopogon aciculatus</i>	182	Saguan	<i>Tectona grandis</i>
78	Halada /Kashi koli	<i>Diospyros montana</i>	183	Sahada	<i>Streblus asper</i>
79	Haldu	<i>Adina cordifolia</i>	184	Sahaja	<i>Terminalia tomentosa</i>
80	Harida	<i>Terminalia chebula</i>	185	Sajanapati	<i>Dalbergia lanceolaria</i>
81	Indramarish	<i>Acalypha indica</i>	186	Sal	<i>Shorea robusta</i>
82	Jalajali	<i>Stachytarpheta indica</i>	187	Salai	<i>Boswellia serrata</i>
83	Jambala /Kia	<i>Pandanus fascicularis</i>	188	Salara	<i>Catunaregam spinosa</i>
84	Jamun	<i>Syzigium cuminii</i>	189	Satabari	<i>Asparagus racemosus</i>
85	Jari	<i>Ficus infectoria</i>	190	Siali	<i>Bauhinia vahlii</i>
86	Jata jatia	<i>Pavonia repanda</i>	191	Sidha	<i>Lagerstroemia parviflora</i>
87	Jhadapana /Jhara champa	<i>Actinodaphne angustifolia</i>	192	Siju (Tikanta)	<i>Euphorbia antiquorum</i>
88	Jhumpuri	<i>Phyllochlamys spinosa</i>	193	Simili /Simul	<i>Bombax ceiba</i>
89	Joain (Madhura)	<i>Carum copticum</i>	194	Sinkula	<i>Heteropogon contortus</i>
90	Kaitha	<i>Feronia limonia</i>	195	Sirisa /Tentela	<i>Albizia procera</i>
91	Kaju/Lanka bhalia	<i>Anacardium occidentale</i>	196	Sisoo	<i>Dalbergia sisoo</i>
92	Kalabati	<i>Anamirta cocculus</i>	197	Soam/Rohini	<i>Soyimida fabrifuga</i>
93	Kalchua	<i>Glochidion zeylanicum</i>	198	Suna khadika	<i>Sida acuta</i>
94	Kamala gundi	<i>Mallotus philippensis</i>	199	Sunari	<i>Cassia fistula</i>
95	Kandhia /karuna	<i>Citrus aurantium</i>	200	Talamuli	<i>Curculigo orchioides</i>
96	Kanja kanjia	<i>Cayratia auriculata</i>	201	Tapta khanda	
97	Kansa	<i>Hymenodictyon excelsum</i>	202	Teak	<i>Tectona grandis</i>
98	Kanta baula/Gotha	<i>Ziziphus xylopyrus</i>	203	Telakoruanha	<i>Ixora pavetta</i>
99	Kanta malli /Kula	<i>Ventilago denticulata</i>	204	Tentala	<i>Albizzia odoratissima</i>
100	Kapasias	<i>Kydia calycina</i>	205	Tentera	<i>Albizzia odoratissima</i>
101	Karada	<i>Cleistanthus collinus</i>	206	Tentuli	<i>Tamarindus indica</i>
102	Karakendu	<i>Diospyros malabarica</i>	207	Thenta kusum	
103	Karamanga	<i>Averrhoa carambola</i>	208	Tinia	<i>Albizia odoratissima</i>
104	Karanja	<i>Pongamia pinnata</i>	209	Tundapoda	<i>Toddalia asiatica</i>
105	Kasa alu	<i>Dioscorea puber</i>	210	Udambari	<i>Ficus amplissima</i>

HERBS					
SL	Local Name	Scientific Name	SL	Local Name	Scientific Name
1	Ankaranti	<i>Solanum virginianum</i>	30	Kansiri lata	<i>Ipomea biloba</i>
2	Apamaranga	<i>Achyranthes aspera</i>	31	Kasundi	<i>Casia sophera</i>
3	Badiamla		32	Bhuin dimiri	<i>Ficus heterophylla</i>
4	Balichanda	<i>Symphorema polyandrum</i>	33	Khadika phula	<i>Ixora coccinea</i>
5	Bana bana		34	Khirakoli	#N/A
6	Bana bhendi	<i>Abelmoschus moschatus</i>	35	Koili khia	<i>Hygrophila auriculata</i>
7	Bana haladi	<i>Curcuma aromatica</i>	36	Kolathia /Bana durlava	<i>Tephrosia purpurea</i>
8	Bana harada/Kandul	<i>Cajanus cajan</i>	37	Krushna parni	<i>Desmodium heterocarpon</i>
9	Bana piaja	<i>Urginea indica</i>	38	Lajakuli	<i>Mimosa pudica</i>
10	Bana sorisa	<i>Cleome viscosa</i>	39	Madan mostok	<i>Hybanthus emeasfermus</i>
11	Bana tulasi	<i>Ocimum canum</i>	40	Makhmalli	<i>Tagetes erecta</i>
12	Bari anla	<i>Phyllanthus fraternus</i>	41	Mandakparni	<i>Centella asiatica</i>
13	Bena	<i>Vetiveria zizanioides</i>	42	Mayura chulia	<i>Elephantopus scaber</i>
14	Bhuin chana	<i>Arachis hypogea</i>	43	Murga	<i>Sansevieria roxburghiana</i>
15	Bhuin nima	<i>Andrographis paniculata</i>	44	Mutha	<i>Cyperus rotundus</i>
16	Bisalya karani	<i>Tridax procumbens</i>	45	Nila chara	<i>Indigofera tinctoria</i>
17	Bishiripi	<i>Sida cordifolia</i>	46	Ninia	<i>Suaeda monoica</i>
18	Chhelianthua	<i>Psychopria adenophylla</i>	47	Pasan vedi	<i>Polycarpaea aurea</i>
19	Chireita	<i>Swertia chirayita</i>	48	Paunsia	<i>Aerva lanata</i>
20	Danti	<i>Baliospermum montanum</i>	49	Pokasungha	<i>Ageratum conyzoides</i>
21	Fulajhadu	<i>Thysanolaena maxima</i>	50	Purnamari	<i>Carmona retusa</i>
22	Gaba	<i>Ricinus communis</i>	51	Puruni	<i>Boerhavia diffusa</i>
23	Gaigendalia	<i>Costus speciosus</i>	52	Rakta khai	<i>Dracaena terniflora</i>
24	Gaigobara	#N/A	53	Sinkula	<i>Heteropogon contortus</i>
25	Gandhi/Gandhuri	<i>Chromolaena odorata</i>	54	Suna khadika	<i>Sida acuta</i>
26	Gudamari/Putrani	<i>Pygmaeopremna herbacea</i>	55	Talamuli	<i>Curculigo orchiodes</i>
27	Guguchia	<i>Chrysopogon aciculatus</i>	56	Tapta khanda	
28	Jalajali	<i>Stachytarpheta indica</i>	57	Thalkudi	
29	Jata jatia	<i>Pavonia repanda</i>	58	Tundapoda	<i>Toddalia asiatica</i>

CLIMBERS					
SL	Local Name	Scientific Name	SL	Local Name	Scientific Name
1	Achhundi	<i>Calycopteris floribunda</i>	31	Kasa alu	<i>Dioscorea puber</i>
2	Akan bindhi	<i>Cissampelos pareira</i>	32	Kerenda koli	<i>Carissa carandas</i>
3	Ashadhua	<i>Capparis zeylanica</i>	33	Khalua /Bana lati	<i>Finlaysonia obovata</i>
4	Atundi	<i>Combretum decandrum</i>	34	Kusmanda	<i>Benincasa hispida</i>
5	Bada gila	<i>Entada rheedii</i>	35	Laha kolathia	
6	Baidhanka	<i>Mucuna pruriens</i>	36	Lai langulia /beheda	<i>Celastrus paniculata</i>
7	Bana alu/Karaba	<i>Dioscorea pentaphylla</i>	37	Lajakuli	<i>Mimosa pudica</i>
8	Bana malli	<i>Hiptage benghalensis</i>	38	Luhagunia /Luhabena	<i>Eragrostis nutans</i>
9	Banakolatha		39	Marda/Makari	<i>Millettia extensa</i>
10	Bhada bhadalia	<i>Olex scandens</i>	40	Musakani	
11	Bichhuati	<i>Tragia involucrata</i>	41	Muturi	<i>Smilax zeylanica</i>
12	Bidhunka		42	Nirmuli	<i>Cuscuta reflexa</i>
13	Chemeri barmul /Anantamula	<i>Hemidesmus indicus</i>	43	Palasa lai	
14	Cheranga /Tunga alu	<i>Dioscorea aculeata</i>	44	Palasa/Palsa	<i>Butea superba</i>
15	Dahidahia /Mushakani	<i>Cocculus hirsutus</i>	45	Panairi	<i>Artemisia nilagirica</i>
16	Dantari	<i>Acacia pennata</i>	46	Pani alu/Pithala	<i>Dioscorea oppositifolia</i>
17	Danti	<i>Baliospermum montanum</i>	47	Paniri	<i>Aristolochia bracteata</i>
18	Dudhilo		48	Paunsia	<i>Aerva lanata</i>
19	Enturidi/Brudha taraka	<i>Argyreia nervosa</i>	49	Pinguli	
20	Gilla	<i>Caesalpinia decapetala</i>	50	Pitamasia/Pita alu	<i>Dioscorea wallichii</i>
21	Gopakana/Dudhi	<i>Cryptolepis buechananii</i>	51	Pittal	
22	Indramarish	<i>Acalypha indica</i>	52	Potam /Pita kanda	<i>Dioscorea bulbifera</i>
23	Kaincha	<i>Abrus precatorius</i>	53	Rakta khai	<i>Dracaena terniflora</i>
24	Kalabati	<i>Anamirta cocculus</i>	54	Rakta pichali	<i>Gouania leptostachya</i>
25	Kanja kanjia	<i>Cayratia auriculata</i>	55	Rani dantakathi	<i>Flemingia chappar</i>
26	Kanjia loi	<i>Ampelocissus latifolia</i>	56	Satabari	<i>Asparagus racemosus</i>
27	Kankada	<i>Momordica dioica</i>	57	Siali	<i>Bauhinia vahlii</i>
28	Kanta alu	<i>Dioscorea glabra</i>	58	Suam loi	<i>Ichnocarpus frutescens</i>
29	Kanta malli/Kula	<i>Ventilago denticulata</i>	59	Sugandhi	
30	Karada	<i>Cleistanthus collinus</i>	60	Tihudi	<i>Operculina turpethum</i>

GRASSES					
SL	Local Name	Scientific Name	SL	Local Name	Scientific Name
1	Sabai grass		7	Khadi grass (sinkulia)	
2	Chhana grass	<i>Imperata cylindrica</i>	8	Paunji /Payal grass	<i>Saccharum spontaneum</i>
3	Duba grass	<i>Cynodon dactylon</i>	9	Kusa grass	<i>Desmostachya bipinnata</i>
4	Juna grass	<i>Crotalaria juncea</i>	10	Tanda grass	
5	Kakudia grass	<i>Dactyloctenium acgyptium</i>	11	Srigunthia	
6	Khadika grass	<i>Aristida setacea</i>	12	Bamboo grass	

A. ANIMALS

A. MAMMALS

LOCAL NAME	ENGLISH NAME	ZOOLOGICAL NAME
1	2	3
Badudi	Shortnosed-fruitbat	<i>Cynopterus sphinx</i>
Badudi	Flying fox bat	<i>Pteropus quiganteus</i>
Bagh	Tiger	<i>Panthera tigris</i>
Bajrakapta	Pangolin	<i>Manis crassicaudata</i>
Balia Kukur	Wild dog	<i>Cuon alpinus</i>
Bana Biradi(Katas)	Jungle Cat	<i>Felis chaus affinus</i>
Barha	Wild boar	<i>Sus scrofa cristatus</i>
Belermusa(Napali)	Malayan Giant squirrel	<i>Ratufa bicolor</i>
Bhalu	Sloth Bear	<i>Melursus ursinus</i>
Bilua	Jackal	<i>Canis aures</i>
Chausingha	The four horned antelope	<i>Tetracerus quadricornis</i>
Cheetah Biradi	Leopard Cat	<i>Felis bengalensis</i>
Chemgha	Beared sheath tailed bat	<i>Taphozous melanopogon</i>
Chita Bagha (Kalarapatia)	Leopard	<i>Panthera pardus</i>
Chital(Harin)	Spotted Deer	<i>Axis axis</i>
Chuchundra	Grey musk shrew	<i>Suncus murinus</i>
Gada Bhalu	Ratel	<i>Mellivora capensis</i>
Gayal	Bison.	<i>Bos gaurus.</i>
Gunduchi Musa	3 Striped palm squirrel,	<i>Funambulus palmanum</i>
Gunduchi Musa	5 Striped palm Squirel	<i>Funambulus pennanti</i>
Gurandi	Mouse deer	<i>Tragulid meminna</i>
Hati	Elephant	<i>Elephas maximus</i>
Heta Bagha	Haeyna	<i>Hyaena hyaena</i>
Jhinka	Porcupine	<i>Hystrix indica</i>
Kharia(Thekua)	Hare	<i>Lepus nigricollis,</i> <i>L.ruficaudatus</i>
Kokisiali	Fox	<i>Vulpes bengalensis</i>
Kutura	Barking deer	<i>Muntiacus muntijack</i>
Mankad(Pati)	Rhesus Macaque	<i>Macaca mullata</i>
Mankada(Hanu)	Monkey	<i>Presbytis entellus</i>
Musa	Rat	<i>Rattus rattus</i>
Musa	White tailed wood rat	<i>R. blanfordii</i>
Neula (Kuji)	Small Indian mongoose	<i>H. auropunctatus.</i>
Neula(Hatla)	Mongoose	<i>Hepestes edwardsi</i>
Nilagai	Blue bull	<i>Boselaphus tragocamelus</i>
Odha	Smooth Indian otter	<i>Lytra perspicillata</i>
Ramsiali	Wolf	<i>Canis lupus</i>
Saliapatani	Toddycat	<i>Paradoxurus hermaphroditus</i>
Saliapatini	Small Indian Ceivet	<i>Viverricula indica</i>
Sambar	Sambar	<i>Cervus unicolor</i>

B. BIRDS

LOCAL NAME/ENGLISH NAME	ZOOLOGICAL NAME
1	2
Babbler Common	<i>Turdoides caudatus</i>
Babbler Jungle	<i>T. striatus</i>
Babbler rufous	<i>T. subrufus</i>
Bajapakhi	<i>Astur hadius</i>
Bani (Myna india)	<i>Acrilotheres tristis</i>
Barbet crimson (Copper smith)	<i>Megalaima haemacephala</i>
Barbet large green	<i>M. Zeylanica.</i>
Baya (Baya weaver bird)	<i>Ploceus philippinus</i>
Bee eater blue tailed	<i>Merops phillipinus</i>
Bee eater small green	<i>M.orientalis</i>
Bhadabhadalia	<i>Coraeas bengalensis</i>
Bhaliakhai (Grey hornbill)	<i>Tikos birostris</i>
Bhunganraj (Racket tailed dronge)	<i>Dissenurus paradisens</i>
Bittern	<i>Ixobrychus spp.</i>
Bulbu l(Bulbul Red vented)	<i>Pyononotus cafer</i>
Buntings (Red headed)	<i>Emberiza bruniceps</i>
Cormorant little (Panikua)	<i>Phalacrocorax niger</i>
Chakua chaki (Brahminyduch)	<i>Casarca ferrugines</i>
Chatak (House swift)	<i>Apus affinis</i>
Chatak (Pied crested cuckoo)	<i>Clammator jacobinus</i>
Chilla (Indian kite)	<i>Milvus migrans</i>
Chloropsis (Gold mantled)	<i>C.cochinchinensis</i>
Chloropsis (Green bulbul)	<i>Chloropsis aurifrons</i>
Crow Pheasant (Kumbhatua)	<i>Corvus macrorhynchos</i>
Crow house (Kau)	<i>C.micropterus</i>
Cuckoo Indian (Koili)	<i>Cuculus varius</i>
Cuckoo common Hawk (Koili)	<i>Clamator jacobinus</i>
Cuckoo pied crested (Chataka)	<i>Anhinga rufa melanogaster</i>
Darter (Snake bird)	<i>Anhinga rufa melanogaster</i>
Darter (Snake bird)	<i>Anhinga rufa melanogaster</i>
Deuliapara(Blue Rock pigeon)	<i>Comumba livia</i>
Dhauka(Coucal)	<i>Amanronis phoenicarvus</i>
Dove(spotted)	<i>Stereptopelia chinensis</i>
Dove king	<i>S.decaocto</i>
Eagle crested Hawk	<i>Spizaetus cirrhatus</i>
Eagle serpent	<i>Spilornis cheela melanotis</i>
Eastern golden plover	<i>Pluvialis domicus fulcus</i>
Egret cattle(Baga)	<i>Babulcus ibis coromandus</i>
Eosypaster	<i>Pastor rosens</i>
Egret little	<i>Eqretta garzetta garzetta</i>
Finches(aCommon Rose finch)	<i>Carpodoacus erythrinus</i>

B. BIRDS(Contd.)	
1	2
Fly catcher	<i>Muscicapa thalassina</i>
Gendalia(Open bill stork)	<i>Anastomus oseitans</i>
Gharchatia(House sparrow)	<i>Passer domesticus</i>
Ghukika	<i>Acridatheres ginginianus</i>
Gobra Chadhei	<i>Molpastes cafer</i>
Grebe little or Dab chick	<i>Podiceps ruficollis capensis</i>
Great blackheaded gull.	<i>Larus ichthyæus</i>
Grey horon	<i>Ardea cinera</i>
Haladi basanta (oriole black headed)	<i>Oriolus xanthornus</i>
Harada Chadhei	<i>Crocopus phoenicopterus</i>
Heron Night	<i>Nycticorax. nycticorax</i>
Heron pond(Kantiabaga)	<i>Ardeola grayii grayii</i>
Hoopoe	<i>Upupa epops</i>
Indian Roller	<i>Coracias pengalensis</i>
Jungle Fowl Grey(Bana Kukuda)	<i>Gallus sonneratii</i>
Jungle Fowl Red(Ban Kukuda)	<i>Gallus gallus</i>
Jungle bush quail(Teetri)	<i>Perdica asiatica</i>
Kajalpati(Common Drongo)	<i>Dicrusus macrocerus</i>
Kaligoduni	<i>Dissoura episocopus</i>
Kathakumper(Wood peacker pigmy)	<i>Picoides nanus</i>
Kau(Damara)	<i>Corvus macrorhynchos</i>
Kau(Pati)	<i>Corvus splendens</i>
Kochilakhai (Malabar pied Hornbill)	<i>Anthracoceros coronatus</i>
Koili	<i>Eudynamis scolopacea</i>
Kumbhatua	<i>Centropus sinensis</i>
Kundachadei	<i>Turdoides somervillei</i>
Larks (Easter skylark)	<i>Alauda gulula</i>
Larks (Bengal Bush)	<i>Mirafra assamica</i>
Macharanka (Lesser pied King Fisher)	<i>Ceryle rudis</i>
Magpie robin (Lesser pied)	<i>Copsychus saularis</i>
Mayura (Peacock)	<i>Pavo cristatus</i>
Munias (Easter Black-headed)	<i>Lonchura malacca</i>
Myna	<i>Acridotheres tristis</i>
Night jar	<i>Caprimulgus asiaticus</i>
Nilkhanta(Rboin magpie)	<i>Copsychus saularis</i>
Owl Forest Eagle	<i>Bubo nipalensis</i>
Owl grass	<i>Tyto capensis</i>
Owl(Indian Barn owl)	<i>Tyto-alba stertens</i>
Owlet Jungle	<i>Glaucidium radiatum</i>
Owlet Scoops	<i>Otus scops</i>
Pahadi Bulbul	<i>Pyononotus jocosus</i>
Painted supurfowl	<i>Galloperodix lunulata</i>
Parakeet roseringed(Sua)	<i>Psittacula krameri</i>
Partridge	<i>Francolinus francolini asiae</i>

B. BIRDS(Contd.)

1	2
Pecha	<i>Athena brama</i>
Phutki (Tailor bird)	<i>Orthotonus sutorius</i>
Quaker babbler	<i>Aleippe poicicephala</i>
Ramchadhei	<i>Burhinus oedicnemus</i>
Red wattled Lapwing.	<i>Vanellus indicus</i>
Sandpiper common	<i>Tringa hypoleucos</i>
Sari(Hill Myna)	<i>Gracula religiosa</i>
Shrikes(Indian Grey strike)	<i>Lanius excubitor</i>
Snipe common	<i>Gallinago gallinago</i>
Soguna(Vulture)	<i>Sacrocoeryx calvus</i>
Spotted babbler	<i>Pellorneum ruficeps</i>
Sua(Parakeet large india)	<i>Psittacula eupatria</i>
Sunpurple	<i>Nectarinia astatica</i>
Swifts crested Tree.	<i>Hemoprocne longipennis coronata</i>
Thrushes(White throated ground)	<i>Zosterops citrina</i>
Warbler Wren ashy	<i>Prinia socialis</i>
Warbler Wren futos	<i>Prinia rufescens</i>
Warbler wren Inidan	<i>Prinia subflava</i>
Whistling teal	<i>Dendrocygna javanica</i>
White Breasted Kingfisher	<i>Halcyon smyrnensis fusca</i>
White browed bulbul	<i>Pycnonotus luteolus</i>
Woodpecker black	<i>Larus ridibundus</i>
Woodpecker Pigmy	<i>Picoides nanus</i>
Woodpecker black naped gren	<i>Picus canus</i>
Yellow cheeked tit.	<i>Machlolophus xanthogenys aplonotus</i>

C. REPTILES AND AMPHIBIANS

LOCAL / ENGLISH NAME	ZOOLOGICAL NAME
Ahiraj(King cobra)	<i>Naja hannah</i>
Ajagarh(Indian python)	<i>Python molurus</i>
Bahurupi kuasap(Garden gecko)	<i>Calotes versicolor</i>
Bahurupie(Indian chameleon)	<i>Chameleon zeylanicus</i>
Bakialajhitipiti	<i>Hemidactylus leschenaulti</i>
Bamboo pit Viper	<i>Trimeresurus gramineus</i>
Bamhuni	<i>Nabix stolata</i>
Banded Gecko	<i>Cryptodactylus spp.</i>
Boda(Common boa)	<i>Boa constricta</i>
Champainoli(Skink)	<i>Mabuya bibro</i>
Chiti(Common Indian Krait)	<i>Bungarus caeruleus</i>
Copper Head	<i>Elpha radiata</i>
Dehandaboda(Russel's viper)	<i>Viper russelli</i>
Dhamana	<i>Ptyas mucosus</i>
Dhanda	<i>Xensch rophis piscator</i>
Dhulinaga(Saw scaled viper)	<i>Echis carinatus</i>
Domundia(Russel's Earlt Boa).	<i>Eryx conicus</i>
Endua(Rock gecko,Fattailed gecko)	<i>Eublephari spp.</i>
Godhi	<i>Varanus monitor</i>
Godhi(Land monitor)	<i>Varanus bengalensis</i>
Green Cobra (Kandanala)	<i>Natrix stolata</i>
Green keel back	<i>Macropisthodon plumbicolor</i>
Indian Cobra(Naga)	<i>Naia naja naja</i>
Jhitipiti(House lizard)	<i>Hemidactylus flaviviridis</i>
Jhon's sand Boa	<i>Eryx stolata</i>
Kaincha	<i>Kachuga tectum tentoria</i>
Kandanali(Tree snake)	<i>Ahetulla spp.</i>
Laudonkia(Common green whipsnake)	<i>Dryophis nasutrus</i>
Pani Dhanda (checkered keel back)	<i>Natrix piscator</i>
Pani Godhi(Water monitor)	<i>Varanus salvador</i>
Penn Rock agma	<i>Fsammophilus dorsalis</i>
Pohela endua	<i>Chammaeleon zeylanicus</i>
Rana(Banded krait)	<i>Bungarus fasiatus</i>
Tampa	<i>Naja naja kuothia</i>
Telia Sapa	<i>Typhlops brahminus</i>

D. FISHES (FRESH WATER)

LOCCAL / ENGLISH NAME	ZOOLOGICAL NAME
Balia	<i>Wallagonia attu</i>
Baligarada	<i>Glossogobius giuris</i>
Banspati	<i>Ailla coha</i>
Bhakura	<i>Catla catla</i>
Chenga	<i>Ophiocephalus gachua</i>
Chitala	<i>Notopterus chitala</i>
Dandkhiri	<i>Esomus dandrica</i>
Denga	<i>Labeo bata</i>
Gadisa	<i>Ophiocephalus punctatus</i>
Illisi	<i>Hilsa ilisa</i>
Jalanga	<i>Pangasius pangasius</i>
Jallah	<i>Chela argentea</i>
Kantia	<i>Myotus cavasius</i>
Kerandi	<i>Barbus ambassis</i>
Kou	<i>Anabas tistudineus</i>
Magura	<i>Clarias batrachus</i>
Mirkali	<i>Cirrhina mrigala</i>
Mohurali	<i>Amblypharyngodon mola</i>
Neuli	<i>Gobiopterus chuno</i>
Pabata	<i>Callichrous bimaculatus</i>
Phali	<i>Notopterus notopterus</i>
Pohel(Chuna)	<i>Cirrhina reba</i>
Rohi	<i>Labeo rohita</i>
Serana	<i>Barbus serana</i>
Seula	<i>Ophiocephalus striatus</i>
Singi	<i>Heterophneustes fossilis</i>
Todi	<i>Mastacombelus armatus</i>

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PART - I

SUMMARY OF FACTS ON WHICH THE MANAGEMENT PROPOSALS ARE BASED

CHAPTER – I

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PART — I

CHAPTER – I

THE TRACT DEALT WITH

1.1 NAME AND SITUATION

1.1.1 Ghumsur (South) Forest Division, as it exists at present, was constituted only during reorganization of Forest Deptt. on 01.10.2003. However, the Division has a long history of scientific forest management. The Chatrapur Forest Division was created in 1938 vide the Government of Odisha, Education Department, Notification No. 243 - L. S. G. dated 12th January 1938, with its headquarters at Chatrapur, for management of Ghumsur forests. It was renamed as the *Ghumsur South Forest Division* with effect from the 1st April 1941, vide the Government of Odisha, Education Department, Notification No. 1010 - E dated 2nd April 1942. Ghumsur forests was again distributed among three forest divisions, namely, Ghumsur (North) Forest Division, Ghumsur (South) Forest Division and Parlakhemundi Forest Division in the late fifties and early sixties. Ghumsur South Forest Division was re-constituted vide the Government of Orissa Notification No. 20371-F dated 9th November 1965, which was again re-organised in 2003 by carving out the Berhampur Forest Division.

1.1.2 The first Working Plans for the Reserved Forests of Ghumsur Forests was prepared by A. A. F. Minchin for the period from 1919-20 to 1929-30, which was followed by the plans of M. K. Nayar for the period from 1930-31 to 1939-40, D. H. Khan for the period from 1940-41 to 1959-60 with its extension from 1960-61 to 1969-70 and R. N. Mohanty for the period from 1970-71 to 1990-91 with further extension from 1991-92 to 2000-2001. The non-reserved forest areas of the Division were managed under Working Schemes prepared by L. K. Patnaik for the period from 1961-62 to 1980-81 and S. Padhi for the period from 1980-81 to 1989-90 with subsequent extensions from 1990-91 to 2000-2001.

1.1.3 The Reserved Forests managed under Mohanty's Plan and non-reserved forests managed under Padhi's scheme were brought under the purview of Working Plan of Ghumsur (South) Forest Division prepared by P. K. Jha, IFS for the period from 2001-02 to 2010-11. The Working Plan expired on 31.03.2011 and was given extension up to 2012-13 by the Govt. of India, MoEF, communicated vide memo no. 14634 dtd. 06.09.2012 of PCCF,

Odisha and another one year extension upto 2013-14 by the Govt. of India, MoEF vide their Letter No 8(31)5 Dated 01.10.2013, communicated vide memo no. 15646 dtd. 06.11.2013 of PCCF, Odisha. Further, extension of Working Plan period upto 2014-15 was approved by the Govt. of India, MoEF vide their letter no. 8(31)5/02-F&E dtd. 26.06.2014. This Working Plan covers;

- (a) all the Reserved Forest (RF) blocks, notified under section 16 of the Madras Forest Act, 1882; and under Section 21 of the Orissa Forest Act, 1972;
- (b) the Proposed Reserved Forest (PRF) blocks, notified under section 4(i) of the Orissa Forest Act, 1972;
- (c) the Reserved Lands (RL) under the process for notification under section 4(i) of the Orissa Forest Act, 1972;
- (d) the Forest blocks under the process for notification under section 4(i) of the Orissa Forest Act, 1972. (The last two classifications, in combination, are popularly referred as Demarcated Protected Forests (DPF) and;
- (e) Un-demarcated Forest blocks which are in the process of demarcation for notification under Section 4 (i) of the Orissa Forest Act, 1972. (Otherwise popularly referred to as Un-demarcated Protected Forests (UDPF).

The Plan period is for ten years from the date of its approval by the Govt of Indian MoEF as per the provisions laid down in the National Working Plan Code-2004.

1.1.4 After reorganization of Forest Divisions and Ranges, Kodala range was divided into Polsara & Khalikote Range. Surada Range was divided in to Surada & Badagada Range. Goudagotha section of Paralakhemundi Division was amalgamated to Badagada range. Thus the Ghumsur (South) Forests Division covers 05 Ranges viz. Surada Range, Badagada Range, Aska Range, Buguda Range & Polasara Range. This Working Plan will include 29 RFs, 06 PRFs, 22 DPFs, 05 UDPFs & 13 Village Forests covering an area of 111748.10 hectares.

1.1.5 **Boundaries** The forests covered by this Working Plan are widely scattered and occupy the Western and Southern portion of Ganjam district between 19° 37' & 20° 0' North latitude and 84° 0' & 85° 15' East longitude. The boundary limits of Ghumsur South Forest Division are as follows:

North	– Ghumsur North Forest Division
North East	– Khorda & Nayagarh Forest Divisions
North West	– Phulbani & Baliguda Forest Divisions
East	– Berhampur Forest Division
West	– Paralakhemundi Forest Division
South	– Berhampur Forest Division

1.2 CONFIGURATION OF THE GROUND

1.2.1 The Ganjam district is divided into two halves by Eastern *Ghats*, running roughly north to south; such as, (a) the alluvial plains along the coast of Bay of Bengal and (b) the plateau and table lands broken up by ranges of hills. The Eastern *Ghat*, formed of detached hill ranges, dominate the western region. This area is fringed with hills. It contains ridges of the main range, as well as isolated hills. The Eastern *Ghats*, formed of a belt of parallel interrupted ridges and irregularly scattered hills, attains an elevation of about 3000 ft. They are the remnants of an ancient and once lofty mountain ranges, contemporary to the *Aravalies* and hills of Central India. The forests are almost confined to the hill ranges. The forests around Surada spread over the slopes of main and subsidiaries ridges of Eastern Ghats as well as a number of isolated hills. The forests of Badagada occupy the slopes of the subsidiary ridges, the extreme outer flanks of the Eastern *Ghats* and a number of isolated hills around Dharakote. The forests of Buguda occupy the northern slope of a big ridge jutting out of the Banpur Mala hills of Khordha district and a number of isolated hills lying to the North and West of it. The Polsara forests occupy the southern side of these hills. The main range, constituting the Pandripada Mala Block, forms a well defined ridge running almost east to west. The highest elevation of Ghumsur (South) Division is 1059 mts. on the peak of the forest of northern boundary of Pondakhhol Reserved Forest. Another prominent peak in the Division is Khondabala (950 mt), which forms the tri-junction of Kriamba Reserved Forest of Buguda range, the Rajin Reserved Forest of Khordha Forest Division and Khallikote ex-state forests of Polsara Range.

1.3 GEOLOGY AND ROCKS

1.3.1 *Geomorphology*

The Ganjam district displays hill and valley topography. The detailed geomorphologic studies indicate that this district mainly consists of five morphostratigraphic surfaces *i.e.* denudational hills, pediments, pediplains, flood plain surfaces and marine surfaces. The denudational hills mainly occur as structural ridges, inselberg, nubin etc. The major lineaments trend is in NE-SW,

NW-SE and N-S. These lineaments represent the axial plains of the folds, faults and shear zones.

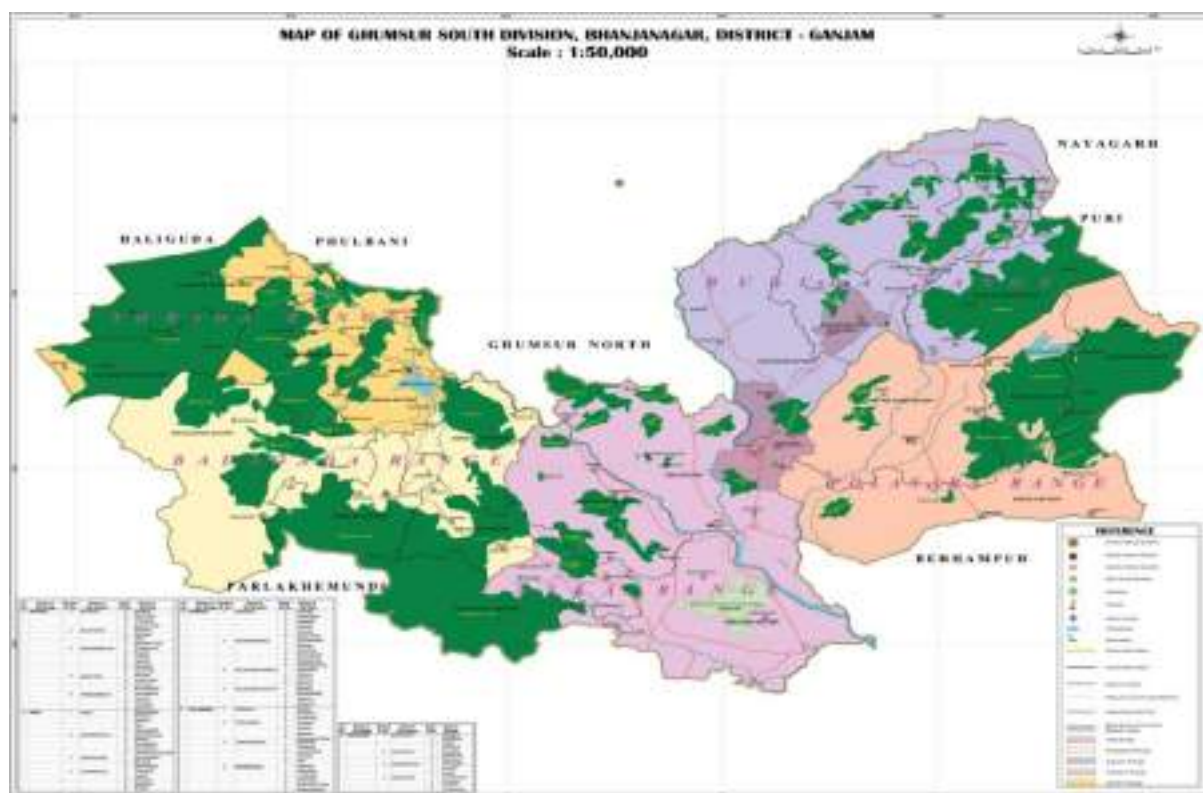
Ganjam coast is controlled by a fault, which shows neotectonic movements. A number of paleochannels is observed in the district. The Rushikulya river has shown the evidences of changing the course a number of times.

The drainage system is controlled by Rushikulya river system. The main tributaries are Bada Nadi, Budha Nadi and Mahanadi. The main tributary, Mahanadi, joins the Rushikulya river at Aska. The drainage pattern is parallel to sub-parallel type and dendritic type and is observed in the granitic terrain.

1.3.2 *Geology* Litho-assemblages of Eastern Ghat Super Group belonging to Archaean age comprising khondalite, granite gneiss and its variants, granulite charnockite (both acid and basic) constitute the major geological formation of the Ghumsur South Division along with the derived soil. Granite gneiss includes biotite gneiss, migmatite, leptynite, garnetiferous granite gneiss and augen gneiss. Intrusives comprises quartz and pegmatite vein. Khondalite mostly occupies the hill ranges and area found over a considerable area in the northern portion. Granulites both calcgranulite and basic granulite, occur as small elongated and lensoid patches. Charnockite occur as hillocks and masses associated with gneisses. Granite gneiss, the most common rock type of the area occurs as small hill ranges and isolated hillocks and mounds intervened by valleys. The general trend of the foliation is in NE-SW with sub-vertical dips on either side.

[Source: *Director of Geology, Bhubaneswar.*]

Fig.1.1 : Geological Map of Ghumsur South Forest Division



1.3.3 Structure The detailed structural analysis of rocks of Ganjam district has revealed that the metasediments of the Eastern *Ghats* Super Group have undergone polyphase deformations. The main trends of axial plane of the folds trend in NE-SW, NW-SE, E-W and N-S. These deformations have resulted in anitformal and syaformal folds. At some places, reclined folds have been observed. The major folds having the axis NW-SE are twisted along E-W axis near Chilika lake. The neotectonic effects are noticed along NE-SW, NW-SE and N-S.

1.3.4 Ground Water The high fractured rocks *i.e.* along the shear zones and paleochannels act as very good aquifer for ground water. Their yield of ground water varies from less than 1 Ir / sec to as high as 25 Ir / sec but it declines gradually due to lowering of the water table, primarily because of loss of forest cover and degradation of the catchment areas.

1.3.5 A short geological notes for some of the Reserved Forest areas are given below:

a) PANKALAGAM RESERVED FOREST

The major portion of Pankalagam Reserved Forest is covered by porphyroblastic granite. In the low-lying areas granite gneiss is highly weathered and feldspar is largely kaolinised. Calcareous concretions are strewn over the surface around Kumbhikote and Antarkula ('Andharkola' deserted village). In the southwestern corner of the Reserved Forest to the northeast of Sarabadi a patch of acid charnockitic rock is noticed. Iron and manganese rich boulders are found scattered sporadically near the base of the hill to the southeast Bandara.

b) PIPALAPANKA RESERVED FOREST

Granetiferous granite gneiss and leptynitic rock occur extensively all over the Pipalapanka Reserved Forest area. A part of it, of course, is covered by khondalitic rock, particularly the hill ranges just to the south of Pipalapanka village and to the east and southeast of Chichakuppa. Charnockite is also recorded to the east and north of Sanaganda.

c) PONDAKHOL RESERVED FOREST

The parts of the Pondakhhol Reserved Forest to the northwest and southwest of Gazalbadi are covered mainly by granetiferous granite gneiss with occasional patches of leptynite. However, to the west of Kakma Jodi, Khondalite is exposed over a wide area with occasional patches of porphyroblastic granite gneiss and pockets of pyroxene granulite. In general the residual soil derived from this area is rich in aluminium, iron, manganese and phosphate.

d) DABUKI RESERVED FOREST

A forested undulating area to the northeast of Pipalapanka, which is drained by the Karada nala in the north and Rushikulya river in the south. The Reserved Forest area shows a bad land topography and is highly dissected by innumerable small and shallow *nallahs*. Rock exposures are meager, but the soil cover extends over a wide area. Calcareous concretions are found strewn over the surface. The sub surface rock is inferred to be granite gneiss.

e) HUKUMA RESERVED FOREST

The eastern part of this Reserved Forest is formed by the Chembidi Parbat in the major part of which granetiferous granite gneiss is noted. The Sanibi Parbat forms the western part where charnockite (hypersthene granite gneiss) is exposed.

f) MUNDAPITA RESERVED FOREST

Except a few sporadic occurrences of Khondalitic bands, the Mundapita Reserved Forest is covered mainly by porphyroblastic granetiferous granite gneiss. In the eastern most corner, to the southwest of Badangi, the area shows some exposures of hypersthene granite gneiss. Soil derived from these rocks shows a moderately high percentage of calcareous material.

g) KARCHULI RESERVED FOREST

The whole northern sector of the Reserved Forest shows hill ranges formed of Khondalitic rock; but the southern sector to the southeast and southwest of Kulapani, the hill ranges show massive exposures of a charnockitic massif. The soil of the northern sector is reddish brown with a comparatively high iron and manganese content.

h) PANCHABHUTI RESERVED FOREST

The area represents a bad land topography with innumerable gullies and *nallahs*, which run roughly from northwest to southeast direction. The *nallahs* dissect the area into several linear tracts forming thereby a rolling topography. The area is drained by the rivulets of Baghua nadi. The soil of this area shows a high percentage of iron, manganese, aluminium and phosphates. It is reddish brown in colour.

i) KRIAMBA RESERVED FOREST

High peaks rising more than 600 mt above the mean sea level surrounded by the low-lying flat topography and drained by innumerable *nallahs* and tributaries of the Bhaguanadi express the topographical set up of the area. The hill ranges in the western (Bada Khalli) and northern parts (Bauvrani Parbat) of the Kriamba Reserved Forest show rock and soil of reddish brown colour, brittle, weathered and with a high content of iron and manganese. The assemblage of rocks is predominantly khondalite with some charnockite and granite gneiss. But in the southern portion around Andhrapalli and to the east of Dhanapalli, acid and intermediate varieties of charnockitic rock is noted.

1.4 SOILS

1.4.1 The following types of soil are found in the division

- (i) ALFISOLS (a) Red gravelly soils (b) Red sandy soils

(ii) INCEPTISOLS	(a) Calcareous alluvial soils	
(iii) ENTISOLS	(a) Coastal alluvial soils	(b) Skeletal soils
(iv) VERTISOLS	(a) Deep black Soil	

1.4.2 **Red gravelly soils** are observed in compartment 1 - 3, 5, 8 - 23, 28 - 30, 33 - 34 of Pondakhol, Bondhagocha, Dhepaguda, Dabuki, compartment 1 of Dhaugam, Mundapita, Badagada-A & Badagada-B of Badagada Range; Badagada - C of Aska Range and compartment 16 - 34 of Pandripada of Polsara Range. Red sandy soils are present in compartment 5 - 8 of Kriamba of Buguda Range, and compartment 5 - 15 of Pandripada of Polsara Range. The main features are light texture, single grained to weakly granular structured surface soil, highly porous with low available water holding capacity. Lime *kankar* and free carbonates are absent and soils are non saline. The red colour is due to presence of iron oxides. These soils do not contain lateritic mass within the control section of the soil profile, are moderately acidic and are generally deficient in Nitrogen, organic matter and Calcium. The clay fraction is rich in Kaolinite type clay mineral with varying proportion of Illite. Phosphate fixation is a problem in these soils due to presence of free Iron and Aluminium Oxides.

1.4.3 **Calcareous alluvial soils** are found in Compartment 4, 6, 7, 24 - 27, 31 - 32, 35 - 36 of Pondakhol, Pipalapanka, Hukuma, compartment 2 of Dhaugam, Raipada, Pankalagam and Srirampalli of Surada Range. These soils are found on the lower topographic situation, due to enrichment of Calcium in thin exchange complex and fine textured colluvium and alluvium. These soils are predominantly found in the areas near the banks of the river Rushikulya.

1.4.4 **Skeletal soils** are found in compartment 1 - 4 and 9 - 13 of Kriamba of Buguda Range, compartment 1 - 4 and 35 - 38 of Pandripada, Purunapani Daburia, Khaladimal and Jokalundi of Polsara Range. Lateritic soils are also found in these areas. The soil contains lateritic mass within control section of the profile. The lateritic mass is characterized by compact to vesicular, sometimes honey combed structure composed essentially of a mixture of hydrated oxides of iron and Aluminum with small amounts of Manganese and Titanium oxides and quartz as a necessary diluents. The soils are highly permeable, loose and friable in consistency (dry), of low fertility status being poor in organic matter, nitrogen, available phosphorous, potash and calcium. Soil is acidic. The clay fraction constitutes predominantly kaolinite type of clay mineral.

1.4.4.1 Soil Map of the Division:

The detailed soil maps (12 sheets) concerning to Ghumsur South Division has been obtained from the ORSAC, Bhubaneswar and the relevant CD will be handed over to the DFO, Ghumsur South Division.

1.4.5 **Sandy soils** are present in foot hill of Kriamba RF, Karchulli RF and Solundi RF of Buguda Range. The water holding capacity is very less and the soil reaction is acidic. The soil is also poor in nutrients.

1.4.6 The distribution of soil and its analysis in all the blocks and compartments is represented in a tabular statement below in **Table No. 1.1** and **Table No. 1.2**.

Table No. 1.1: **Distribution and Analysis of Soil**

Block / Compartment	Type of Soil	Comp. No.	Texture	pH	T.S.S.	O. C.	P	K
1	2	3	4	5	6	7	8	9
Surada Range								
Bondhagocha	Red gravelly	1	Sandy loam	7.0	0.5	H	L	L
Dhepaguda	Red gravelly	1	Silt loam	6.5	0.7	L	L	M
Dabuki	Red gravelly	1	Sandy loam	7.0	0.9	H	L	M
Hukuma	Calcareous alluvial	1	Loamy	6.9	0.3	M	L	M
Dhaugam 1	Red gravelly	1	Loamy sand	7.3	0.3	M	L	M
Dhaugam 2	Calcareous alluvial	2	Clay loam	6.5	0.8	M	L	L
Mundapita	Red gravelly	1	Silt loam	7.0	0.5	M	L	M
Raipada	Calcareous alluvial	4	Loamy sand	7.5	0.5	L	L	M
Pipalapanka	Calcareous alluvial	1	Sandy loam	6.0	0.6	L	L	L
		2	Sandy loam	7.0	0.8	L	L	L
		3	Silt loam	6.5	0.5	M	L	L
		5	Sandy loam	6.5	0.2	M	L	M
		6	Silt loam	7.0	0.2	H	L	L
Pondakhhol 1 - 3, 5, 8 - 23, 28 - 30, 33 & 34	Red gravelly	1	Loamy	7.3	0.4	H	L	M
		5	Loamy	7.3	0.3	H	L	L
		11	Sandy loam	7.2	0.3	H	L	M
		12	Sandy loam	6.7	0.3	H	L	M
		13	Loamy	7.2	0.3	H	L	L
		13	Loamy	6.4	0.2	M	L	M
		16	Loamy	6.9	0.3	H	L	L
		18	Loamy	6.4	0.3	L	L	L
		20	Sandy loam	7.0	0.3	H	L	M
Pondakhhol		21	Sandy loam	7.6	0.3	H	L	M
		21	Sandy loam	7.6	0.4	H	L	L

4, 6, 7, 24 - 27, 31, 32, 35 & 36	Calcareous alluvial	22	Loamy	7.0	0.3	H	L	M
		24	Sandy loam	6.8	0.3	M	L	L
		27	Sandy loam	7.3	0.4	M	L	M
		32	Loamy	7.1	0.3	H	L	M
		33	Sandy loam	7.4	0.4	H	L	M
		34	Sandy loam	7.2	0.4	M	L	L
		35	Silt loam	6.6	0.3	H	L	L
Pankalagam	Calcareous alluvial	1	Clay loam	7.8	0.5	M	L	M
Srirampalli	Calcareous alluvial	1	Loamy sand	6.5	1.3	M	L	M
Badagada - A	Red gravelly	4	Silt loam	7.0	0.3	M	L	L
Badagada - B	Red gravelly	6	Loamy sand	6.8	0.4	H	L	L
Buguda Range								
Budurungu	Coastal alluvial	1	Loamy sand	7.0	0.7	L	L	L
Chamunda	Coastal alluvial	1	Silt loam	7.3	0.4	L	L	M
Kadapada	Coastal alluvial	1	Silt loam	7.2	0.5	L	L	M
Karchuli - A	Coastal alluvial	1	Clay loam	7.0	0.6	H	L	L
Karchuli - B	Coastal alluvial	1	Sandy loam	7.5	0.3	H	L	L
Kriamba 1 - 4 & 9 - 13	Skeletal	1	Sandy loam	7.3	0.6	L	L	M
		2	Sandy loam	7.0	0.6	H	L	L
		3	Sandy loam	6.0	0.4	L	L	L
		3	Loamy sand	7.4	0.6	L	L	M
Kriamba 5 - 8	Red sandy	7	Sandy loam	7.2	0.6	L	L	M
Kumarsuni Vishnuchakram	Coastal alluvial	1	Sandy loam	7.5	0.4	M	L	L
Binodia	Coastal alluvial	1	Loamy	6.9	0.5	M	L	M
Tangarai	Coastal alluvial	1	Loamy	6.1	0.4	M	L	L
Panchabhuti - C	Coastal alluvial	1	Loam	6.0	0.5	L	L	M
Panchabhuti - A	Coastal alluvial	1	Loam	7.3	0.5	L	L	M
Nagiri	Coastal alluvial	1	Silt loam	7.1	0.6	H	L	M
Sollundi	Coastal alluvial	1	Sandy loam	7.0	0.5	M	L	M
Sandasulia	Coastal alluvial	1	Clay loam	6.2	0.4	L	L	L
Jhollery	Coastal alluvial	1	Sandy	7.3	0.5	H	L	M
Aska Range								
Gouduni	Coastal alluvial	1	Loamy	7.0	0.5	M	L	L
		2	Loamy	6.3	1.0	M	L	L
Machakhai	Coastal alluvial	2	Loamy	6.9	0.4	H	L	L
Chemidi	Coastal alluvial	3	Sandy loam	5.9	0.3	L	L	L
		6	Loamy	6.2	0.6	M	L	L
Malijhar - I	Coastal alluvial	1	Sandy	6.5	0.5	M	M	L
Malijhar - II	Coastal alluvial	2	Loamy	6.5	0.4	L	L	M
Ambadaban	Coastal alluvial	3	Clay loam	7.0	0.4	M	L	L
Pakidi	Coastal alluvial	1	Loamy sand	7.0	0.7	L	L	M
		4	Clay loam	6.7	0.3	H	L	L
		7	Sandy	6.8	0.3	H	L	M
Gadagada	Coastal alluvial	2	Sandy	6.5	0.6	L	L	L
		3	Loamy	5.8	0.5	L	L	M
Kansa	Coastal alluvial	1	Silt loam	7.0	0.3	L	L	L
Hatimunda	Coastal alluvial	1	Silt loam	6.6	0.5	H	L	L

		2	Silt	6.7	0.05	H	L	L
Badadanda	Coastal alluvial	1	Silt loam	7.5	0.5	H	L	M
Chapudia	Coastal alluvial	1	Loamy	6.0	0.3	H	L	L
Rasibadi	Coastal alluvial	1	Sandy loam	7.0	0.5	H	L	L
Suliaguda	Coastal alluvial	2	Silt loam	5.5	0.6	M	L	M
Kantakhhol	Coastal alluvial	2	Sandy	6.7	0.5	M	L	L
Badagada - C	Red gravelly	1	Sandy loam	6.5	0.5	L	L	M
Bhumidimiripalli	Coastal alluvial	1	Sandy loam	6.0	0.4	L	L	L
Badua	Coastal alluvial	1	Sandy loam	5.0	0.3	L	L	L
Polsara Range								
Purunapani Daburia	Skeletal	1	Loamy sand	6.8	0.6	M	L	L
Khaladimal	Skeletal	1	Silt loam	7.5	0.6	H	L	L
Jokalundi	Skeletal	1	Loam	6.2	0.5	H	L	M
Pandripada 1 - 4 & 35 - 38	Skeletal	21	Silt loam	7.5	0.5	H	L	M
Pandripada 5 - 15	Red sandy	22	Sandy loam	7.4	0.5	L	L	L
		32	Loamy sand	7.0	0.4	L	L	L
Pandripada 16 - 34	Red gravelly	38	Clay loam	6.5	0.5	M	L	L
		29	Loam	6.5	0.4	L	L	M
Bhalukhai	Coastal alluvial	1	Silt loam	6.5	0.3	H	L	M
		4	Sandy	5.0	0.3	L	L	L
Sodaka - A	Coastal alluvial	1	Sandy	7.0	0.3	M	L	L
Sodaka - B	Coastal alluvial	1	Silt loam	7.0	0.4	H	L	L
Paikajamuna	Coastal alluvial	1	Sandy loam	7.0	0.2	H	L	M
Abbreviation: T.S.S. - Total Soluble salt, O.C. - Organic carbon %, P - Available Phosphorus (P ₂ O ₅), K - Available Potash (K ₂ O), L - Low, M - Medium, H - High								

Table No. 1.2: **Interpretation of Soil Analysis Results**

Soil Parameter	Test Value	Class	Remarks
pH	< 6.6	Acidic	
	6.6 - 7.3	Neutral	
	> 7.3	Alkaline	
Electrical Conductivity	< 1 mmhos / cm		Normal
	1 - 2 mmhos / cm		Critical for germination
	2 - 3 mmhos / cm		Critical for growth of salt sensitive crops
	3 - 4 mmhos / cm		Critical to most crops
Organic carbon %	< 0.5 %	Low	Represents available organic nitrogen status of soil
	0.51 % to 0.75 %	Medium	
	> 0.75%	High	
Available phosphorus	< 20 Kg / ha	Low	
	21 to 50 Kg / ha	Medium	
	> 50 Kg / ha	High	
Available potash	< 125 Kg / ha	Low	
	126 to 300 Kg / ha	Medium	
	> 300 Kg / ha	High	

(**N.B:** The data produced above on soils at para 1.4 has been adopted from the P.K.Jha's plan as it was reported by the Soil Chemist, Berhampur vide his letter no 498 dated 02.09.2013 that no data on analysis of soil of forest blocks, as requested for, has been done in their laboratory during the preceding plan period and that soil data does not change so rapidly.)

1.5 SOIL EROSION

1.5.1 All types of soil erosion such as, sheet erosion, rill erosion, gully erosion and stream bank erosion are observed in the Division. The factors contributing to erosion are formation of extraction paths and roads, permanent opening of canopy, overgrazing, practicing podu cultivation, quarrying and forest fire. The soil erosion is observed to be very rapid in the degraded forest areas. The extent of soil erosion in most of the blank forest blocks of Aska, Polsara, Badagada Ranges has assumed alarming proportion. As a result of which, the underlying rocks have been exposed due to washing out of top soil. Soil erosion is equally present in plain forest blocks such as Dabuki, Dhaugam of Surada range and Karchuli of Buguda range and hill

forests such as Pandripada of Polsara range and Kriamba of Buguda range. Steps taken to arrest soil erosion through different SMCs(Soil and Moisture Conservation measures) over the last plan period (Jha's plan)is peanut and need to be upscaled in geometric progression during this plan period to have visible impact.

1.6 MINERAL RESOURCES

1.6.1 Ghumsur South Division is known for occurrence of dimension stone. Besides, lime kankar, muscovite, china clay, rock crystal and graphite are also reported. The list of minerals found in Ganjam District are furnished at **Table No. 1.3**.

1. **Dimension Stone:** Dimension and decorative stone of Ganjam occupies the unique position in the dimension and decorative stone resource map of the state. Keeping in view the characteristic features like colour consistency, homogeneity in grain size, joint spacing, outcrop dimension and easy accessibility, deposits around Bhanjanagar are most promising. The dimension and decorative stone of the area consist of the rock types

comprising of granite gneiss, porphyritic granite, augen gneiss, leptynite and charnockites of both blue and grey colour. The dimension and decorative stones are reported near Chakunda, Jhadabhumi-nuamundi hill, Jahada –Thurthura -Natapalli, Sarahanaipalli, anikyapur, Pathrapunji –kirtipur -chermaria, Bishnucharam area RF (0.357), Gajalbadi and Olamba area etc. details furnished below.

2. **Lime Kankar:** Shallow and superficial deposits of lime kankars derived from gneissic rocks have been reported from Bhanjanagar-Sorada and Ghmsur-Rambha sectors. The important localities are near Jilundi, Gundribadi, Gudipadar, Ghodadandi, Bhinjagiri, Budhiamba, Khariaguda-Surada, Usta-Balarampur and Khariguda area etc. details are given below.

3. **Muscovite:** Muscovite associated with pegmatite is reported near Jhillundi and Khariguda having little economic significance.

4. **China clay:** Occurrence of china clay derived from weathering of granite gneiss is reported near Satrusola. They are slightly gritty and grayish white to yellowish grey in colour.

Table No. 1.3: **Details of Minerals**

Name of the Mineral	Location	Resource estimated
China clay	Satrusal	Not estimated
Muscovite	Jilundi-Khariguda	Not estimated
	Khetapalli	31500 m ³
	200 m length south of .255 m	4000 m ³
	1 km NW of Kohibiradi	3712 m ³
	NE of Purushottampur	70825 m ³
	Vicinity of Matisahi	63000 m ³
	1 km west of Mandalpur	94560 m ³
	Jhadabhumi-Nuamundi Hill	0.9 lakh m ³
	Kerachilo-Ratanipahar	R.F.-Not estimated
	Chadiapalli-Brahmanipadar	2.75 lakh m ³
	Bishnuchakra	1.5 lakh m ³
	Kantaipalli-Mangalpur	1.75 lakh m ³
	Jahada-Natapali	1.25 lakh m ³
	Laxmipur-Bariguda-Jamibil	1.25 lakh m ³
	NW of Olamba	2.10 lakh m ³
	SE of Chakunda	2.10 lakh m ³
	S of Baragarh	1.26 lakh m ³

Name of the Mineral	Location	Resource estimated
	E of Badangi	0.21 lakh m ³
	S of Ektapur	1.68 lakh m ³
	Khajuripalli	Not estimated
	Gahalbadi	Not estimated
Lime Kankar	Bhanjanagar-Sorada Group	17,07,200 tonne
	Platimunda	
	Gunduribadi	
	Gudipadar	
	Ghodadanda	
	Vinjigri	
	Danguapalli	
	Bhudhiamba	
	Khariguda	
	Balarampur	
	Danguapalli	
	Golari	
	Lokamari	
	Chakunda	
	Rabipada	
	Chhapalli	
	Kaliamba	
	Uska-Balarampur-Kanheipur-Jagannathpur	1,84,000 tonne
Graphite	Usta	Not economic
	Gajalbadi	Not economic
Rock Crystal	Gunduribadi	Not economic
	Chinapanhara	Not economic
	Kayamdihi	Not economic
	Sanasikharpanga	Not economic

Source: Director of Geology, Bhubaneswar.

1.7 CLIMATE

1.7.1 Odisha state lies in the subtropical belt of medium pressure. The climate of Ganjam District is influenced by the Bay of Bengal which moderates the extreme climatic condition. Four seasons prevail in Ganjam District such as Hot and Dry summer (Mid March –Mid June), Hot and Humidity Rainy Season (Mid June – Mid September), Autumn (October-November) and Winter (December – February). The Division contains hilly terrain with valleys and plains at some of the places. The highest temperature in summer is around 39° to 44 ° C. The monsoon temperature oscillates around 30 ° C with relative humidity of 70% to 80%. The winter temperature from December to February goes down to nearly 8° to 10° C particularly in the dense forest areas. Sky is clear or lightly clouded in the cold season.

In the summer months clouding is moderate. Heavily clouded to overcast sky prevails during the Southwest monsoon season. Thereafter cloudiness decreases.

(i) **Hot and Dry summer (Mid March –Mid June)**

The mean summer maximum temperature is 37° C but it goes up to 45 - 46° C. The average duration of bright sunshine hours is 8.8 hours per day. Even though temperature runs high, due to clouds of varying percentage, the bright sunshine hours fall short of normal day length. On an average the months of March and April receive rain fall of less than 50 mm, where as May receives between 50 - 100 mm.

(ii) **Humidity Rainy Season (Mid June – Mid September)**

Usually the monsoon breaks in the second week of June and continues to end of September with occasional showers in October and November. The range of rainfall varies from 200 to 300 mm during the period from June to September. The rainfall intensifies during the months of July and August. The Climatic Water Balance Study group has identified Ganjam District as a moderately high deficit zone. The area of Polasara receives 1300 - 1500 mm of annual rainfall. Badagada, Sheragarh, Surada and Aska receives between 900 - 1100 mm and the areas of Buguda and Dharakote receive between 1100 - 1300 mm. For several days in July the sky remains cloudy and the sun is rarely seen. The average duration of bright sunshine falls to 3.7 hours per day. Temperature remains high (maximum 24°C) and due to high humidity the weather remains sultry.

(iii) **Autumn (October-November)**

During this period the mean maximum temperature runs between 31°C - 32°C and mean minimum temperature between 17°C - 21°C and weather remains bright. The sky remains clear and insulation uninterrupted. The average duration of bright sunshine hours increases to 7 - 8 per day.

(iv) **Winter (December – February)**

The coldest month of the year is December. The average minimum temperature is 13.2°C and maximum temperature is 27.3°C. The sky remains clear and the average duration of the bright sunshine hour is 6 - 9 per day. These days due to global warming effect the climate has become uncertain and erratic, particularly the intensity of winter has gone down.

1.7.2 Rainfall: The average annual rainfall in the district is around 1100 to 1200 mm. About 66% of the annual rainfall is received during the Southwest monsoon. On an average, there were 65 rainy days annually. Odisha is divided into ten agro-climatic zones basing on the amount and distribution of rainfall pattern, irrigation, soil characteristics and cropping pattern. Ganjam District comes under two agro-climatic zones namely, (1) North Eastern Ghats and (2) East and South Eastern Coastal plain. Aska, Seragarh, Dharakote, Surada, Buguda, Polasara blocks come under North Eastern Ghats agro-climatic zone. The average annual rainfall and rainfall pattern of different blocks under the jurisdiction of Ghumsur (South) Division is as follows. Rainfall in the Division is received due to the South-West monsoons, with very little rainfall due to North-West monsoon. However most of the rain fall is due to depressions in the Bay of Bengal during the monsoon season and when it comes along with inclement weather including strong wind, storm surge etc. it causes lot of damage to the house and property. The rainfall data supplied by the Govt. of India, Meteorological Department, Bhubaneswar is based on their observatory at Gopalpur. The rainfall figures for the periods from 2000 to 2012 shows that the rainfall in Ganjam District is erratic and unpredictable. Usually monsoon sets in beletadely and it varies widely from year to year so far as monthly average rainfall is concerned.

During the above period July, 2006 is having maximum rainfall and the year 2003, 2006 is having better spreading of rainy days.

Table No. 1.4: **Monthly Average Rainfall Data (In mm) STATION - GOPALPUR**

MONTHS	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
JANUARY	0.0	0.0	0.6	0.3	0.1	1.6	0.3	0.0	0.9	0.0	1.3	0.0	1.1
FEBRUARY	2.5	0.1	0.0	0.2	0.3	0.0	0.0	0.0	0.8	0.0	0.0	0.9	0.3
MARCH	0.0	1.2	0.1	0.4	0.7	0.2	1.0	0.0	0.4	0.1	0.0	0.0	0.0
APRIL	1.3	2.0	0.5	0.5	2.7	0.2	1.0	0.5	0.5	0.0	0.0	2.9	1.7
MAY	2.3	1.6	2.4	1.2	0.5	0.8	3.7	2.9	1.9	3.9	5.4	3.4	0.2
JUNE	6.4	9.9	4.4	1.2	2.4	2.5	2.3	4.9	6.9	3.5	4.9	2.2	1.2
JULY	4.2	2.9	5.1	3.9	5.7	4.3	14.8	5.1	6.0	12.4	4.8	2.9	13.9
AUGUST	5.0	6.4	8.3	10.4	5.2	2.9	12.7	6.9	6.1	5.6	11.8	8.3	3.0
SEPTEMBER	0.6	3.4	4.9	10.9	2.6	12.2	5.8	12.1	5.6	4.9	7.1	6.7	4.8
OCTOBER	2.5	11.6	5.9	23.9	7.0	6.8	3.4	4.2	0.6	5.9	12.3	2.1	2.1
NOVEMBER	0.0	6.8	0.3	0.0	0.0	2.7	1.4	0.0	0.9	2.8	4.2	0.0	12.6
DECEMBER	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.3	0.0
AVERAGE	2.1	3.8	2.7	4.6	2.3	2.9	3.9	3.1	2.6	3.3	4.6	2.5	3.4

1.7.2.2 There are 22 CD Blocks in Ganjam District out of which 10 CD Blocks are covered under the jurisdiction of Ghumsur South Forest Division. The Total Annual Rainfall recorded at the block level for these 10 CD Blocks from the calendar year 2007 to 2012 are given in the table below:

Table No. 1.5: **Annual Rainfall Data of 10 CD Blocks Coming Under Ghumsur (South) Division**

Sl. No.	Name of the CD Blocks	(Rainfall in mm.)					
		2007	2008	2009	2010	2011	2012
1	2	3	4	5	6	7	8
1	Beguniapada	0	0	0	0	0	0
2	Kabisuryanagar	1081	1106	NA	1292	810	977
3	Polasara	1597	1156	NA	1668	794	1338
4	Belaguntha	1543	1234	NA	1238	720	1604
5	Jagannathprasad	1371	1473	NA	1250	951	1307
6	Buguda	1384	1423	NA	1428	1292	1458
7	Aska	1341	1310	NA	1402	1002	1527
8	Dharakote	1400	1430	NA	1160	1153	1231
9	Sheragada	1449	1536	NA	1684	976	1476
10	Sorada	1236	1457	NA	1281	966	1020
	Total:	11061	10815	0	11001	7662	10411
	Average:	1106	1082	0	1100	766	1041

Source: <http://www.orissa.gov.in/disaster/src/RAINFALL/RAINFALL1/RAINFALL.html>

1.7.3 **Temperature:** There is only one meteorological observatory which is installed at Gopalpur. The description, is based on the records of this observatory. In the inland hilly tracts, temperature may be higher in the hot months and lower in the winter by a few degree. The temperature goes on increasing from the month of March to June. June is the hottest month with the mean daily maximum temperature at 32.2°C and the mean daily minimum at 26.9°C. After September, when the Southwest monsoon withdraws, temperature decrease progressively. The drop in night temperature becomes more rapid. December is the coldest month with the mean daily minimum temperature at 16.6°C and mean daily maximum at 27.5°C. The sea wind from the Bay of Bengal, particularly after dusk daily in the summer season has soothing effect on the temperature in the coastal tract of Ganjam district and there

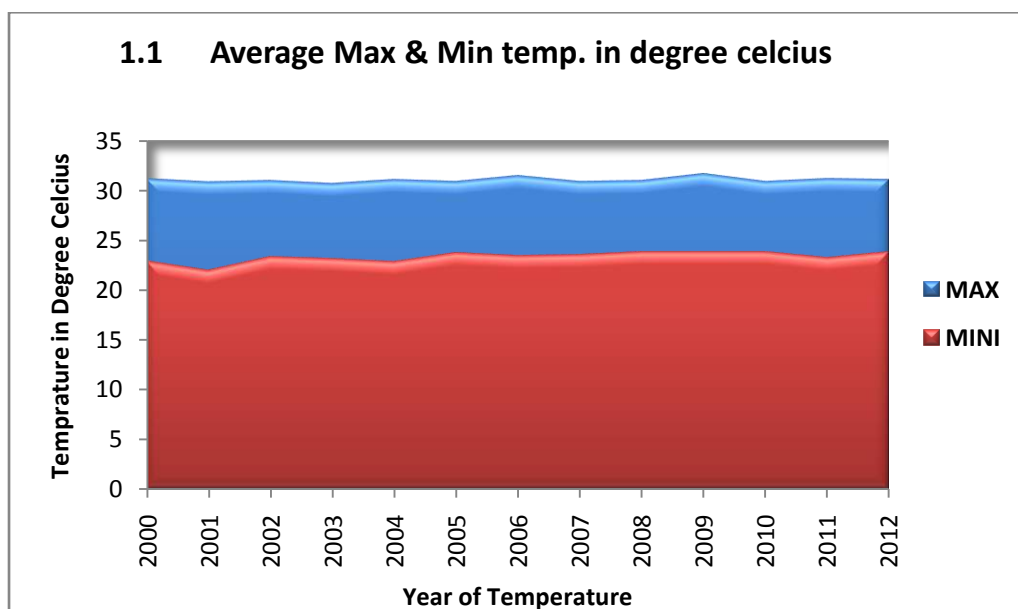
is no peak noon temperature as contrast to the peak low midnight temperature. Inside the dense forests the temperature is few degrees less due to local micro climate.

Table No. 1.6: **Monthly Average Temperature Data (In Degree Celsius) STATION-GOPALPUR**

	2000		2001		2002		2003		2004		2005	
MONTH	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
JAN.	28.3	16.9	27.8	15.1	27.0	17.5	26.9	16.6	27.0	15.8	28.0	18.2
FEB.	27.9	20.9	30.2	18.4	30.2	19.5	28.8	21.0	29.8	17.9	30.2	20.2
MARCH	31.2	23.3	30.5	22.3	31.2	23.4	31.8	23.1	30.7	22.3	30.1	23.9
APRIL	31.3	26.4	31.3	24.2	30.7	25.0	31.1	25.3	30.5	24.3	32.1	25.9
MAY	33.2	27.1	33.2	25.7	32.4	26.5	33.2	27.4	33.2	27.5	32.4	27.2
JUNE	32.0	26.8	31.3	24.5	32.1	26.9	31.8	27.2	32.8	27.2	33.5	28.5
JULY	31.9	26.3	30.9	24.9	33.5	27.1	31.3	26.0	31.9	26.3	31.0	26.7
AUG.	31.6	25.4	31.5	24.6	31.1	26.0	31.6	26.0	31.8	26.3	32.7	26.8
SEPT.	32.9	25.3	33.2	24.6	32.5	25.8	31.7	25.8	33.1	26.1	31.6	26.1
OCT.	33.4	23.0	32.3	22.9	31.8	24.0	30.9	24.0	31.8	23.5	31.7	25.4
NOV.	31.5	19.0	29.4	19.9	30.0	19.1	31.3	18.7	31.5	19.1	30.3	19.0
DEC.	29.1	14.1	28.7	16.2	29.2	19.1	27.8	16.6	29.4	16.8	27.7	16.6
AVG.	31.19	22.88	30.86	21.94	31	23.3	30.7	23.1	31.1	22.8	30.9	23.7

	2006		2007		2008		2009		2010		2011	
MONTH	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
JAN.	28.6	16.7	28.5	17.4	28.2	17.3	29.8	18.5	27.8	17.0	27.7	16.1
FEB.	31.1	19.2	29.8	20.3	28.1	20.0	31.3	21.4	30.7	19.9	30.1	19.4
MARCH	31.6	22.5	31.0	23.3	30.8	23.1	31.8	22.9	31.4	24.4	31.5	23.2
APRIL	31.2	25.8	30.6	25.4	32.3	25.4	32.2	26.1	30.5	25.2	32.0	24.9
MAY	35.9	26.6	33.3	27.1	33.2	27.4	32.5	27.1	32.7	27.5	32.6	26.8
JUNE	32.2	26.9	31.8	27.0	30.7	28.7	33.6	27.8	32.2	27.5	33.0	27.7
JULY	31.6	27.0	31.2	26.9	31.0	26.4	30.0	26.2	31.6	26.8	31.8	26.5
AUGUST	30.2	26.8	31.7	26.7	31.4	26.4	32.3	27.2	31.8	26.6	31.0	26.2
SEPT.	32.3	26.4	31.0	26.1	32.5	26.1	33.0	26.7	33.0	26.6	32.4	26.1
OCT.	33.5	24.2	32.5	23.7	33.1	24.4	33.2	23.1	31.0	24.7	33.3	24.3
NOV.	30.4	21.2	31.4	20.2	30.8	20.8	31.0	21.3	30.7	22.4	31.4	19.6
DEC.	29.2	18.0	28.5	17.8	30.2	19.2	29.4	17.5	27.0	17.1	27.9	17.1
AVEG.	31.5	23.4	30.9	23.5	31.0	23.8	31.7	23.8	30.9	23.8	31.2	23.2

	2012			2012			2012	
MONTH	MAX.	MIN.	MONTH	MAX.	MIN.	MONTH	MAX.	MIN.
JAN.	27.5	18.6	MAY	32.8	27.4	SEPT.	32.7	26.3
FEB.	30.3	19.6	JUNE	32.6	27.7	OCT.	32.3	23.7
MARCH	33.7	25.6	JULY	30.3	26.3	NOV.	29.5	20.6
APRIL	31.9	25.7	AUGUST	31.2	26.4	DEC.	28.9	17.8



1.7.4 Humidity: Relative humidity is about 82 % throughout the year specifically in the coastal areas. In the interior part of the district it may be slightly lower, particularly in the afternoons of the non-monsoon months. Heavy fall of dew even in late March indicates the high humid climate prevalent in the Division. High relative humidity due to presence of mist and dew is helpful in prolonging humid conditions. The relative humidity is generally high in monsoon and post monsoon period. The presence of *Diospyros embryopteris* (Mankada Kendu), *Strychnos nuxvomica* (Kochila) and *Syzigium cuminii* (Jamun) and their semi-evergreen associate species indicate that the soil and humidity conditions are conducive for the resultant crop.

Table No. 1.7: **Monthly Average Relative Humidity Data (In %) STATION- GOPALPUR**

MTHS	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
JAN.	82	82	87	81	86	82	76	82	83	82	81	82	83
FEB.	86	87	81	85	72	81	70	76	88	84	80	81	72
MCH.	81	82	78	76	81	83	73	79	78	78	83	76	87
APRIL	87	82	83	80	83	80	80	81	78	80	85	77	78
MAY	84	79	81	83	79	77	78	78	79	82	85	79	79
JUNE	86	87	82	84	78	78	84	84	83	81	83	80	81
JULY	84	84	79	83	82	82	83	85	84	85	82	81	85
AUG.	86	87	86	85	82	79	85	82	84	82	81	84	84
SEPT.	84	81	82	83	78	84	82	87	80	82	80	79	80
OCT.	81	85	83	87	85	83	80	80	77	76	85	74	79
NOV.	83	87	78	78	77	77	84	76	77	81	86	75	83
DEC	73	79	79	73	81	73	81	79	82	80	84	78	81
AVG	83	84	82	82	80	80	80	81	81	81	83	79	81

1.7.5 Wind: Wind is strong particularly in the coastal regions during the summer and monsoon months. In the rest of the year wind is generally moderate. In the post monsoon and cold seasons wind blows from northerly or northwesterly direction in the morning. Afternoon wind blows from the directions between northeast and southeast during the period from October to December, changing the direction between east and south in January and between east and southwest in February. In the summer and South-west monsoon months, wind is mainly southerly or southwesterly.

1.7.6. Special Weather Phenomena: Depressions and cyclonic storms originating in the Bay of Bengal in the pre - monsoon, monsoon and post - monsoon months cross the east coast in the neighbourhood of the district, causing heavy rain and high wind in the district. Thunderstorms, sometimes in violent form, occur in the pre - monsoon months of April and May and also in the month of October. During the monsoon period the rainfall is associated with thunder too. The thunderstorms are occasionally accompanied with squall and hail. In summer, the winds vary in direction and magnitude depending upon the depression in the Bay of Bengal. Flash floods are a normal feature during heavy rain in the areas of hilly terrains, where the vegetative cover in the hill is fast depleting and at times the communication to the interior areas of the Division are often disrupted. Cyclones in this area are regular phenomena mostly due to deep depression in the sea.

1.7.7 Ground Water Level: Ground Water Level data in 08 CD Blocks taken at different locations for the period 2001-2013 & details of Rural Pipe Water Supply (RPWS) Scheme of Sorada Block is furnished at **APPENDIX – I**.

1.8 HEALTH

1.8.1 The climate of the plains is good and the medical facilities available are satisfactory. There is one Medical College and Hospital at Berhampur. Medical facilities available is adequate as there are number of hospitals, dispensaries, Primary Health Centres, Community Health Centre, Medical Aid Center, subsidiary Health and Mobile Health Units. Additionally, there are Ayurvedic Hospitals , Dispensaries and Homoeopathic Hospitals in rural villages. The places like Jagannathprasad, Khaandadeuli, Balisira, Kukudakhandi, Bomkai, Kabisuryanagar, Patrapur, Bhatakumurada, Khallikote, Mundapita, Dharakote, Seragarh and Badagada are classified as high risk areas for Malaria. Several

deaths have also been reported from these areas. The people in the forest tracts generally suffer from gastro-intestinal disorders. The sanitary habit of the people of Ganjam District, particularly, rural people are very bad as even today the villagers are accustomed to attend the call of nature on either side of public thoroughfare. This is because the paddy fields are put to multi crop rotation purpose and hardly any time these are left fallow. The Govt. public lands are over stressed for common public use. This is one of the major causes of water borne diseases. In rural areas, water sources are polluted and contaminated especially during the rainy season. Water borne diseases like Diarrhea take up epidemic proportions every year during this period.

1.9 WATER SUPPLY

1.9.1 Geographically the district can be divided into two distinct parts viz coastal plains in the east and table land in the west. The former is the fertile land and close to irrigation sources, where as the latter is rocky and are far away from irrigation sources. The district is well endowed with natural water resources that remain largely unexploited. During the last 20 years remarkable progress has been achieved in water supply to the people for human consumption through the Rural Water Supply and Sanitation (RWSS) Department and drinking water is made available to the rural villages at their door step. Water shortage problems in rural and forest areas have been solved to a great extent due to sinking of a large number of deep tube-wells under various plan schemes. Many Water Harvesting Structures (WHS) have been constructed by the Soil Conservation Department, which also serve as temporary water sources for local use. Cultivators construct cross bunds to create temporary irrigation facilities for their agricultural fields. The Forest and Environment Department has taken up number of soil and moisture conservation measures in the forest land which has helped in recharging the ground water and saturated the watershed catchment areas. A number of nallas, rivulets and rivers flow in Ganjam district which are listed below in **Table No. 1.8.**

Table No. 1.8: **Rivers & Nallahs of the Ganjam District**

River	Remarks
Rushikulya	Originated from Rushimala mountain of Balliguda Forest Division and Pondakhhol block of Surada Range
Badanadi	Originates from top of Bhanjanagar hill and joins with river Rushikulya near Aska

River	Remarks
Baghua	Flows through Buguda Range
Dhanei	Flows through Polasara Range
Bahuda	Flows through Patrapur Chikiti area
Ghodahada	Flows through Sanakhemundi area
Kharkhari	Flows through Polsara Range
Salia	Flows through Khallikote Range
Source : Executive Engineer, Irrigation, Bhanjanagar and Berhampur.	

1.10 DISTRIBUTION OF FOREST AREA

1.10.1 After reorganization of the Forest and Environment Department in our State during 2003-04 leading to creation of Berhampur Forest Division primarily by carving out area from Ghumsur (South) Forest Division, redistribution of the forest area of this Division has taken place. This plan includes 29 Reserved Forest (RFs) blocks over an area of 48,257.51 ha or 482.5751 sq km, 06 Proposed Reserved Forest blocks over an area of 4,935.89 ha or 49.3589 sq km, 22 Demarcated Protected Forest blocks over an area of 28,645.21 ha or 286.4521 sq km and 05 Un-demarcated Forest blocks over an area of 29,841.49 ha or 298.4149 sq km. In toto this plan covers 62 Forest blocks over an area of 1,11,680.10 ha or 1116.8010 sq km, and 13 Village Forests over an area of 68.00 ha. The grand total of Forest area comes to 11,1748.10 ha or 1117.4810 sq km. It is summarized as follows in the **Table No. 1.9**.

Table No. 1.9: **Distribution of Forest Area**

Status	No of Blocks	Area (In Sq.Kms.)
RF	29	482.5751
PRF	06	49.3589
DPF	22	286.4521
UDPF	05	298.4149
Total:	62	1116.8010
VF	13	0.6800
Grand Total:	75	1117.4810

1.10.2 Out of 33 Reserved Forest blocks covered in P.K.Jhas' Plan four R.F. blocks have been transferred to Berhampur Forest Division leaving a balance 29 Reserved Forest blocks. Out of this 28 Forest blocks have been notified under section 16 of the Madras Forest Act, 1882 and the balance 01 Reserved Forest block namely Gouduni has been notified under the Orissa Forest Act, 1972 in the year 1978. These Reserved Forest blocks spread over

four ranges of the division (Polosara Range has no RF). Some of these Forest blocks have been clubbed together under the common notification and some are enclosures. This pattern of reporting is being followed since Khan's Plan prepared in the year 1940-41 and in subsequent Working Plans. The same procedure is adopted for this plan also.

1.10.3 The outgoing P.K.Jha's Plan included 66 non-reserved Forest blocks (18 PRF, 44 DPF and 04 UDPF). This included 48 non reserved Forest blocks of S.Padhi's scheme plus 18 nos of such Blocks which were identified, demarcated and surveyed just prior to P. K. Jha's Plan (Out of 20 such non reserved forest blocks 02 blocks transferred to Chilika (Wildlife) Division). Out of the aforesaid 66 nos of blocks, altogether 36 non reserved forest blocks (12 PRF, 22 DPF and 02 UDPF) were transferred to the newly created Berhampur Forest Division leaving behind 30 such blocks (06 PRF, 22 DPF and 02 UDPF) in Ghumsur (South) Division. In addition 03 more non reserved forest blocks were transferred from Parlakhemundi forest Division making it 33 nos. Thus this plan will cover 33 no. of non reserve forest blocks as per the details furnished below. The areas of the 6 nos of PRFs, 22 nos of DPFs and 05 nos of UDPFs have been furnished at para 1.10.1 above. Though Proposal have been submitted to Government for notification of the 44 DPF blocks covered in P. K. Jha's Plan (22 blocks of current plan & 22 blocks transfer to Berhampur Division under Section 4 (i) of the Orissa Forest Act, 1972, no action so far has been taken.

1.10.4 The Survey of India had surveyed the Reserved and non-reserved Forest blocks in Ghumsur (South) Forest Division in the year 1975-76 and published the maps of these blocks in the year 1977. Management maps in respect of non-reserved forests covered in Padhi's scheme had been prepared with the help of maps published by the Survey of India. But the area of the non-reserved Forest blocks shown in the maps had not been delineated on the ground properly and that is why there was recommendation in Padhi's scheme for resurvey of these Forest blocks. As per recommendation in the Padhi's scheme, the Divisional Forest Officer, Ghumsur (South) Forest Division resurveyed these Forest blocks and the outcome of the resurvey was that the area did not tally with the figures mentioned in Padhi's scheme. Further the outcome of resurvey has been reported in the District Level Committee report (DLC) jointly by the Divisional Forest Officer and the Collector, Ganjam in connection with Writ petition (Civil) No. 202 / 95 - T. N. Godavarman Thirumalkpad Vs. Union of India and others before the Hon'ble Supreme Court of India. The Divisional Forest Officer, Ghumsur (South) Division has already referred the result of resurvey of non-reserved

Forest blocks to the Survey of India and they reportedly surveyed these blocks but the result is not yet reported. As per instruction of the Principal Chief Conservator of Forests, Odisha, vide his Memo No. 5170 / 10F (WP) 13 / 2000 Dated 14 .03. 2001, the forest area reported in the DLC report remained as the forest area of the Division in the outgoing plan of P. K. Jha. The forest areas reported in the DLC report are in **APPENDIX – II**.

1.10.5 Range wise distribution of 29 blocks of RF, 06 blocks of PRF, 22 blocks of DPF (including Reserve land) and 05 blocks of UDPF are presented in **Table No. 1.10**. The abstract of Range-wise and Class-wise distribution of forest is presented in **Table No. 1.11**. The extent of areas de-reserved from various Reserve Forest blocks, which are excluded from the scope of this Working Plan is presented in **Table No. 1.12** 68.8 Ha.of forest area de-reserved and not included in the outgoing plan but no such case has arisen during the previous plan period as reported by the DFO and hence no such area is there which could be excluded from the present plan and the Forest area diverted for non - forestry purposes under Forest Conservation Act 1980 is presented in **Table No. 1.13**.

Table No. 1.10: **Forest Block Area and Length of Boundary**

Sl. No.	Name of Range	Name of the Forest Blocks as per Notification	Name of the Forest Blocks as per Management	Compartment Nos.	Compt.wise Area (in Ha.)	Total Area (in Ha.)	Length of boundary (in Km.)	Notification No & Date
1	2	3	4	5	6	7	8	9
RESERVED FORESTS								
1	SORADA	Bondhagocha	Bondhagocha	2	1307.33	27554.24	33.60	254 & 13.09.1888
2		Dheppaguda	Dhepaguda	2	827.85		15.68	406 & 27.08.1897
3		Dabuki	Dabuki	1	506.32		15.04	445 & 03.10.1890
4		Hukuma	Hukuma	3	1746.40		37.12	540 & 08.11.1897
5		Dougam	Dhaugam	2	1013.89		34.88	524 & 09.09.1898
6		Dougam			18.31			319 & 26.10.1922
7		Mundapetta	Mundapita	4	2268.15		29.36	083 & 10.02.1898
8		Nandapadar	Pipalapanka	6	2952.02		42.08	150 & 24.03.1998
9		Bhagabanpur Pipalaponka			440.49			150 & 24.03.1998
10		Nandapadar (Encl)			3.89			150 & 24.03.1998
11		Pondakhhol	Pondakhhol	36	15484.70		71.04	496 & 03.11.1906
12		Pankalagam	Pankalagam	1	265.59		5.55	496 & 03.11.1906
13	BADAGADA	Rayapada	Raipada	1	719.30	2077.97	29.12	350 & 25.07.1898
		Raipada	Raipada	4	2077.97			
14	BUGUDA	Budurungu	Budurungu	1	316.11		21.12	217 & 30.04.1917
15		Chamunda	Chamunda	1	265.59		10.80	120 & 30.05.1913
16		Kuddapada	Kadapada	1	677.36		16.72	419 & 03.09.1897
17		Kurcholi-A	Kurchuli-A	4	2232.39		34.08	538 & 08.11.1897
18		Kurcholi-B	Kurchuli-B	1	354.66		7.84	538 & 08.11.1897
19		Kriamba	Kriamba	13	8717.81		67.84	134 & 04.02.1902
20		Jadupada(Encl)			3.35			218 & 12.04.1917
21		Kumarsuni Vishnuchakram	Kumarsuni Vishnuchakram	1	1081.95		19.68	068 & 16.02.1981

Sl. No.	Name of Range	Name of the Forest Blocks as per Notification	Name of the Forest Blocks as per Management	Compartment Nos.	Compt.wise Area (in Ha.)	Total Area (in Ha.)	Length of boundary (in Km.)	Notification No & Date
1	2	3	4	5	6	7	8	9
22		Binodia	Binodia	1	209.96		6.32	068 & 16.02.1981
23		Tangarai	Tangarai	1	817.49		17.92	068 & 16.02.1981
24		Panchabhuti(Extn.)	Panchabhuti-C	1	198.38		4.75	2064 & 06.08.1955
25		Panchabhuti-A	Panchabhuti-A	4	1790.28		43.68	053 & 12.02.1891
26		Nagiri	Nagiri	1	449.55		12.32	242 & 10.05.1913
27		Solundi	Solundi	1	362.75		15.28	242 & 10.05.1913
28		Sandasulia	Sandasulia	1	848.34		18325.97	18.80
29	ASKA	Gouduni	Gouduni	2	299.33	299.33	6.31	1736 & 26.01.1978
	04 Ranges	29 Forest Blocks				48257.51		
PROPOSED RESERVED FORESTS								
30	POLOSARA	Purunapani Daburia	Purunapani Daburia	8	2525.00	4430.00	31.81	28853 & 28.4.1981
31		Khaladimal	Khaladimal	6	1515.00		21.13	16691 & 16.3.1981
32		Jokalundi	Jokalundi	1	390.00		15.27	17983 & 19.7.1981
33	BADAGADA	Srirampalli	Srirampalli	1	410.00	410.00	13.18	62022 & 9.9.1984
34	ASKA	Bhumidimiripalli	Bhumidimiripalli	1	15.89	95.89	2.02	26818 & 18.4.1984
35		Badua	Badua	1	80.00		5.68	27931 & 24.4.1984
	03 Ranges	06 Forest Blocks				4935.89		
DEMARCATED PROTECTED FORESTS								
36	ASKA	Malijhar-I	Malijhar-I	1	410.00		24.25	Declared as Reserved Forest Land under Madras Forest Act, 1892. The proposals have been returned by Forest Settlement Officer, Ganjam, Chhatrapur, raising same objections. Hence, the Range Officer of Ghumsur South
37		Malijhar-II	Malijhar-II	3	1735.00		26.00	
38		Ambadaban	Ambadaban	3	785.00		37.94	
39		Pakadi	Pakadi	10	1970.00		31.58	
40		Gadagada	Gadagada	3	475.00		12.31	
41		Kansa	Kansa	1	181.53		5.45	
42		Chemidi	Chemidi	6	1295.00		17.13	
43		Machakhai	Machakhai	2	340.00		13.50	

Sl. No.	Name of Range	Name of the Forest Blocks as per Notification	Name of the Forest Blocks as per Management	Compartment Nos.	Compt.wise Area (in Ha.)	Total Area (in Ha.)	Length of boundary (in Km.)	Notification No & Date
1	2	3	4	5	6	7	8	9
44		Hatimunda	Hatimunda	3	445.00	9581.53	5.05	Division have been directed to comply the objections at an early date and to resubmit the same for onward transmission to the Collector, Ganjam, Chhatrapur for notification under Section-4(I) of OFA,1972.
45		Badadanda	Badadanda	1	50.00		1.98	
46		Chapudia	Chapudia	1	260.00		8.29	
47		Rasibadi	Rasibadi	1	370.00		1.37	
48		Suliaguda	Suliaguda	4	875.00		18.89	
49		Kantakhhol	Kantakhhol	2	390.00		10.39	
50	POLOSARA	Pandaripada	Pandaripada	38	13180.00	14443.70	141.63	
51		Bhalukhai	Bhalukhai	1	13.20		2.37	
52		Sodaka-A	Sodaka-A	1	400.00		13.49	
53		Sodaka-B	Sodaka-B	1	430.00		10.94	
54		Kakudia	Kakudia	1	85.02		4.85	
55		Paikajamuna	Paikajamuna	1	335.48		10.78	
56	BUGUDA	Jhollery	Jhollery	1	914.98	914.98	11.23	
57	BADAGADA	Badagada-B	Badagada-B	10	3705.00	3705.00	41.30	
	04 Ranges	22 Forest Blocks				28645.21		
UN-DEMARCATED PROTECTD FORESTS								
58	ASKA	Badagada-C	Badagada-C	30	11050.00	11050.00	64.80	Transferred from Parlakhemundi Division Plan prescription to be valid from 2016 onwards
59	BADAGADA	Badagada-A	Badagada-A	25	9135.00		59.32	
60		Goudagotha	Goudagotha	13	4600.00		30.00	
61		Merikote	Merikote	9	4458.24		49.00	
62		Mahisikhata	Mahisikhata	2	598.25	18791.49	10.00	
	02 Ranges	05 Forest Blocks				29841.49		

ABSTRACT

Range	Area in Ha.		
ASKA	21026.75		
BADAGADA	24984.46		
BUGUDA	19240.95		
POLSARA	18873.70		
SURADA	27554.24		
	111680.10		
		RF	48257.51 <i>ha.</i>
		PRF	4935.89 <i>ha.</i>
		DPF	28645.21 <i>ha.</i>
		UDPF	29841.49 <i>ha.</i>
		111680.10	<i>ha.</i>

Table No. 1.11: **Distribution of Forest Blocks in Ranges**

Range	Reserved Forests (Ha)		Proposed Reserved Forests (Ha)		Demarcated Protected Forests (Ha)				Undemarcated Protected Forests		Grand Total (Ha)
	No	Area	No	Area	Reserve land		Others		No	Area	
Surada	13	29632.21	1	410.00	0	0	0	0	0	0	30056.21
Badagada	0	0	0	0	0	0	1	3705.00	4	18791.49	22502.49
Buguda	15	18325.97	0	0	0	0	1	914.98	0	0	19256.95
Aska	1	299.33	2	95.89	8	4025.00	6	5556.53	1	11050.00	21044.75
Polsara	0	0	3	4430.00	1	13180.00	5	1263.70	0	0	18882.70
Grand Total	29	48257.51	6	4935.89	9	17205.00	13	11440.21	5	29841.49	111680.10

Table No. 1.12: **Extent of Forest area de-reserved and not included in present plan**

Name of the reserved forests	Area de-reserved (Ha)	Notification number
Kumarsuni Vishnuchakram	9.39	No. 334 dated 24.06.1896
Kumarsuni Vishnuchakram	15.39	No. 73 dated 14.04.1921
Binodia	0.45	No. 334 dated 24.06.1896
	7.69	No. 308 dated 06.10.1930
Rayapada	0.10	No. 71 dated 12.02.1935
Rayapada	2.02	No. 1465 dated 02.02.1956
Kadapada	3.61	No. 10 F (D) 27 / 77, 13032 / FFAH dated 07.05.1977
Mundapita	30.15	No. 10 F (D) 21 / 82, 21722 / FFAH dated 04.08.1982
Source : Divisional Forest Officer, Ghumsur (South) Division.		

Table No. 1.13: **Forest Land Diverted for Non-forestry Purpose**

Sl. No.	Name of the project	Forest Block	Area in Ha.	Order of MOEF, Govt.
1	2	3	4	5
1.	Bhagua Irrigation Project	Kriamba RF – 93.10 Ha. Karachuli ‘B’ RF – 86.50 Ha. Solundi RF – 4.30 Ha. Total – 183.90 Ha. Village Forest – 25.54 Ha. Grand Total – 209.44 Ha.	209.44	Letter No.846/95 FC Dtd.28.07.1999
2.	Harabhangi MI Project	Badagada ‘B’ DPF	25.97	Letter No.F-8-175/97 FC Dtd.15.12.2005

Sl. No.	Name of the project	Forest Block	Area in Ha.	Order of MOEF, Govt.
3.	Dabukinala MIP	Protected Forest (Pattangi Hill) – 0.95 Ha. Village Forest – 5.97 Ha. Total - 6.92 Ha.	6.92	Letter No.8-187/FCE Dtd.22.11.2002
4.	Sandhabali MIP	Revenue Forest – 0.6 Ha.	0.6	Letter No.8-359/FCE Dtd.14.01.1999
Source: Divisional Forest Officer, Ghumsur South Division.				

1.11 STATE OF BOUNDARIES

1.11.1 The boundaries of most of the Reserved Forest blocks notified under the Madras Forest Act, 1882 and the Orissa Forest Act, 1972 had initially been demarcated by stone pillars by the Revenue Department. The Forest Department over the years constructed indicator pillars composed of cairns of stones surmounted by a white coloured wooden post at the centre. These boundary pillars have not been maintained for years due to want of fund, as a result of which some pillars are either missing or exist in a dilapidated condition. Such pillars have become soft target of being shifted towards forest by encroachers. No proper documents like field note book of survey done, forward and back bearing data, permanent reference point in the field etc. are available with the DFO so as to pin pointedly ascertain the location of any boundary pillar. Although the field staffs know the block boundaries by convention, but it are not a correct practice to be followed for identification of blocks boundaries. These types of posting of pillars by chain and compass method were in vogue half a century before but with advent of technology like Theodolite, GPS and more recently DGPS, it is necessary to resurvey the forest blocks afresh so that forest boundary and village boundry in the cadastal maps (village toposheets) tally. The Forest blocks that are contiguous to village boundary are more susceptible to encroachment and as such periodical maintenance of boundary pillars is mandatory to keep the area of the Forest blocks intact. The forests of Polsara, Surada and Aska are prone to encroachment. The annual expenditure on maintenance of boundary incurred by Ghumsur (South) Forest Division is less than what it is really required.

1.11.2 The inter compartment boundary are not maintained since these are represented by natural features such as *nallahs*, top ridge of hills etc. These natural features

are the only means for identification of compartments of a Forest block. The forests of Ghumsur (South) Forest Division are landlocked and are surrounded by other Forest Divisions without having any interstate boundary. The conditions of different pillars as on January'2014 are furnished at **Table No. 1.14**.

1.11.3 The Forest Block Boundaries have been jointly verified by the staffs of Working Plan, Bhubaneswar and staffs of Ghumsur (South) Forest Division. The details of Joint Verification of Boundaries & Annual maintenance of forest block boundary of Ghumsur (South) Forest Division is furnished in the **APPENDIX – II(A)**.

Table No. 1.14: Forest Block Wise Status and Maintenance of Boundaries

Sl. No.	Name of the Range	Name of the Block RF/PRF/DPF/UDPF	Boundary length in Kms	Length of boundary computed by ORSAC after digitization (if done) in Km.	No. of pillars as notified	Conditions of Pillars			Remarks
						No. of pillars in good condition	No. of pillars partly damaged	No. of pillars fully damaged	
1	2	3	4	5	6	7	8	9	10
RESERVED FOREST									
1	Buguda	Budurungu	21.12		51	16	15	20	
2		Chamunda	10.8		46	30	0	16	
3		Kadapada	16.72		90	62	8	20	
4		Karachuli-A	34.08		180	25	0	155	
5		Karachuli-B	7.84		44	25	0	19	
6		Kriamba	67.84		302	63	0	239	
7		Jadupada (Encl)			0				
8		Kumarsuni	19.68		69	0	0	69	
9		Binodia	6.32		32	0	0	32	
10		Tangarai	17.92		68	0	0	68	
11		Panchbhuti-C	4.75		25	0	0	25	
12		Panchbhuti-A	43.68		167	25	0	142	
13		Nagiri	12.32		65	0	0	65	
14		Solundi	15.28		91	5	0	86	
15		Sandhachulia	18.8		191	0	0	191	
16	Aska	Gouduani	6.31		96	56	25	15	
17	Surada	Pandhakhol	71.04		365	120	139	106	
18		Dhaugam	34.88		175	23	0	152	
19			1013.89						
20		Pipalpanka	42.08		210	3	5	202	
21		Nandapadar							
22		Bhagabanpur							
23		Bandhagocha			165	40	20	105	

Sl. No.	Name of the Range	Name of the Block RF/PRF/DPF/UDPF	Boundary length in Kms	Length of boundary computed by ORSAC after digitization (if done) in Km.	No. of pillars as notified	Conditions of Pillars			Remarks
						No. of pillars in good condition	No. of pillars partly damaged	No. of pillars fully damaged	
1	2	3	4	5	6	7	8	9	10
24		Dhepaguda	15.68		80	60	0	20	
25		Hukuma	37.12		190	59	30	101	
26		Mundapita	29.36		150	12	20	118	
27		Pankalagam	5.55		30	0	0	30	
28		Dabuki	15.04		95	15	0	80	
29	Badagad	Raipada		29.39	305	75	100	130	
		G. Total:	616.93						
PROPOSED RESERVE FOREST AREA									
1	Aska	Bhumidhimiripa lli	2.02	0	26	0	5	21	
2		Badua	5.68	0	50	24	12	14	
3	Polosora	Purunapani Daburia	31.81	0	314	16	0	298	
4		Khaladimala	21.13	0	104	0	0	104	
5		Jokalundi	15.27	0	121	0	0	121	
6	Badagad	Srirampalli	13.18	17.44	258	20	100	138	
		& Encl village 4.26							
		G. Total:	93.35						
DEMARCATED FOREST AREA									
1	Buguda	Jhollery	11.23		147	0	0	147	
2	Aska	Mallijhar-I	24.25		204	34	80	90	
3		Mallijhar-II	26		188	46	72	70	
4		Ambadabana	37.94		310	120	95	95	
5		Pakidi	31.58		273	48	125	100	
6		Gadagada	12.31		93	38	23	32	
7		Kansa	5.45		42	0	12	30	
8		Chemedi	17.13		79	29	12	38	
9		Machakhai	13.5		121	34	28	59	
10		Hatimunda	5.05		173	21	54	98	
11		Badadanda	1.98		32	5	11	16	
12		Chapudia	8.29		58	32	9	17	
13		Rasibadi	1.37		13	2	4	7	
14		Suliaguda	18.89		162	20	32	110	
15		Kantakhhol	10.39		67	12	21	34	
16		Badagada-C			107	63	21	23	
17	Polosara	Pandripada	141.63		1298	28	0	1270	
18		Bhalukhai	2.37		18	0	18	0	
19		Sodaka-A	13.49		107	50	57	0	
20		Sodoka-B	10.94		104	30	50	24	

Sl. No.	Name of the Range	Name of the Block RF/PRF/DPF/UDPF	Boundary length in Kms	Length of boundary computed by ORSAC after digitization (if done) in Km.	No. of pillars as notified	Conditions of Pillars			Remarks
						No. of pillars in good condition	No. of pillars partly damaged	No. of pillars fully damaged	
1	2	3	4	5	6	7	8	9	10
21		Kakudia	4.85		62	0	62	0	
22		Paikajamuna	10.78		123	90	10	23	
23	Badagad	Badagada-B	37.00 &	46.00	298	0	298	0	
		Encl. Village 4.3							
		G. Total:	450.72						
UNDEMARCATED PROTECTED FOREST									
1	Badagad	Badagada-A	59.32	59.32					
2		Goudagotha	Transferred from Paralakhemundi Division	30					
3		Merikote		49					
4		Mahisikhata		10	268	0	0	268	
		G. Total:	59.32						

Source: Divisional Forest Officer, Ghumsur (South) Division

1.12 ENCROACHMENTS

1.12.1 Encroachments are rampant in many Forest blocks of the Division, more particularly in Pandripada and Khaladimal Forest blocks of Polsara Range, Badagada-A, Badagada-B of Badagada Range, Pipalpanka and Dabuki Forest Block of Surada Range. The problem appears to have been intensifying in spite of the fact that encroachments are detected and cases are booked against the encroachers. Generally, three types of encroachments are seen. First type of encroachment is by Podu cultivators mostly in the hill forests of Surada Range being done by local tribals. Sometimes the tribals migrate from neighbouring district like Paralakhemundi and resort to this type of pernicious activities. The second type of encroachment of forests is resorted to in plain areas by the agriculturists to satiate land hunger. It is noticed in Forest blocks that are contiguous to villages. The third type of encroachment is resorted to by the influential and rich farmers under patronage from vested groups.

1.12.2 The Government of Odisha, vide their Letter No. 21060 dated 04.05.2000 of the Revenue Department, have decided to regularize the Pre-1980 encroachment. This regularization is a one-time affair for all pre 1980 encroachments. The list of villages for

which proposal has been sent for regularization of above mentioned encroachments is presented in the **APPENDIX – III**. Forest Block wise encroachments of the Division are furnished at **Table No. 1.15**. In addition to 72.165 hect. of Forest Land encroached before 1980 466.3456 hect of Forest Land has since been encroached after 1980. The details of the 439 nos. of ineligible Pre-1980 encroachers who have encroached upon 72.165 hact of forest land and against whom 72 nos. of encroachment cases booked is furnished at **Table No. 1.16**. However no forest land has yet been recovered from them. The post-1980 encroachments of the Ghumsur (South) Division have been jointly verified by the staffs of Ghumsur (South) Forest Division and staffs of Working Plan, Bhubaneswar. The details of Post-1980 encroachments with the GPS reading is furnished in the **APPENDIX – III(A)**.

Table No. 1.15: **Encroachments in different Forest Blocks**

Sl. No.	Name of the Range	Name of the Block RF/PF	Approx. area encroached (in Ha.)			Reason for encroachment
			Pre-1980	Post-1980	Total	
1	2	3	4	5	6	7
1	Aska	Badagada 'C' DPF	0.0000	71.3590	71.3590	For the purpose of Agriculture & Shelter
		Chapudia DPF	0.0000	0.2000	0.2000	
		Pakidi DPF	0.0000	0.4046	0.4046	
2	Badagada	Badagada 'A' DPF	0.0000	18.9990	18.9990	
		Badagada 'B' DPF	0.0000	5.5260	5.5260	
3	Buguda	Sandhachulia RF	0.0000	0.8096	0.8096	
		Kriamba RF	0.0000	5.2274	5.2274	
		Jhollary PRF	0.0000	0.0400	0.0400	
4	Polsara	Pandiripada RF	50.5650	186.2730	236.8380	
		Khaladi PRF	16.3000	0.0000	16.3000	
		Jokalundi DPF	5.3000	0.0000	5.3000	
5	Surada	Pipalapanka RF	0.0000	62.3690	62.3690	
		Mundapita RF	0.0000	11.1550	11.1550	
		Hukuma RF	0.0000	32.2610	32.2610	
		Dhougaon RF	0.0000	9.0310	9.0310	
		Pandakhhol RF	0.0000	48.8770	48.8770	
		Dhepaguda RF	0.0000	2.6140	2.6140	
		Bandhagochha RF	0.0000	3.4000	3.4000	
		Dabuki RF	0.0000	7.8000	7.8000	
Total:			72.1650	466.3456	538.5106	

Table No. 1.16: **List of villages where Pre-1980 encroachments have been regularized and/or proposal sent to the Ministry of Environment & Forest of India for regularization**

Name of Division /District	No. of Pre-80 ineligible Encroachers			Name of the encroached forest with status (RF/DPF/UDPF/Other Revenue forest)		Extent of encroached forest area with encroachers (Hect.)			No. of cases filed in the court for eviction of ineligible encroachers			Extent of encroached area for which cases booked (Hect.)			Extent of encroached area released from the encroachers		
	SC	ST	Others	Revenue Name	Forest Status	SC	ST	Others	SC	ST	Others	Under SC	Under ST	Under Others	SC	ST	Others
1	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Ghumsur South Forest Division /Ganjam	--	20	--	Dabhabania	Khaladi PRF	--	12.1030	--	--	4	--	--	12.1030	--	--	--	--
	--	22	--	Kendubadi	Pandiripada DPF	--	12.5776	--	--	4	--	--	12.5776	--	--	--	--
	--	5	--	Andhari	-do-	--	1.8212	--	--	1	--	--	1.8212	--	--	--	--
	--	4	--	Gambharia	-do-	--	5.4681	--	--	1	--	--	5.4681	--	--	--	--
	--	2	--	Pipalamalei	-do-	--	2.6076	--	--	1	--	--	2.6076	--	--	--	--
	--	18	--	Bramhanadevi	-do-	--	0.1195	--	--	3	--	--	0.1195	--	--	--	--
	--	10	--	Malaberhuabadi	-do-	--	0.1134	--	--	2	--	--	0.1134	--	--	--	--
	--	9	--	Tosinghi	-do-	--	0.0717	--	--	2	--	--	0.0717	--	--	--	--
	--	5	--	Benchha	Khaladi PRF	--	2.9885	--	--	1	--	--	2.9885	--	--	--	--
	--	2	--	Janamuni	Pandiripada DPF	--	3.0084	--	--	1	--	--	3.0084	--	--	--	--
	--	8	--	Gamunda	Khaladi PRF	--	1.2085	--	--	2	--	--	1.2085	--	--	--	--
	--	5	--	K.Nuasahi	Pandiripada DPF	--	0.0179	--	--	1	--	--	0.0179	--	--	--	--
	4	77	--	Bhaliama	-do-	1.8929	3.3291	--	1	11	--	1.8929	3.3291	--	--	--	--
	--	37	8	Nerasapalli	-do-	--	3.1117	1.5427	--	6	2	--	3.1117	1.5427	--	--	--

Name of Division /District	No. of Pre-80 ineligible Encroachers			Name of the encroached forest with status (RF/DPF/UDPF/Other Revenue forest)		Extent of encroached forest area with encroachers (Hect.)			No. of cases filed in the court for eviction of ineligible encroachers			Extent of encroached area for which cases booked (Hect.)			Extent of encroached area released from the encroachers		
	SC	ST	Others	Revenue Name	Forest Status	SC	ST	Others	SC	ST	Others	Under SC	Under ST	Under Others	SC	ST	Others
	--	53	34	Nuniapada	-do-	--	0.5197	0.3209	--	8	4	--	0.5197	0.3209	--	--	--
	--	78	--	Mahulapalli	-do-	--	14.8426	--	--	12	--	--	14.0426	--	--	--	--
	--	38	--	Baidipada Nuasahi	Jokolundi PRF	--	5.3000	--	--	5	--	--	5.3000	--	--	--	--
	4	393	42			1.8929	68.4085	1.8636	1	65	6	1.8929	68.4085				

ABSTRACT

Total No. of Pre – 80 Encroachers	Extent of encroached forest area with ineligible encroachers (Hect.)	No. of cases filed in the court for eviction of encroachment	Extent of encroached area for which cases booked (Hect.)	Extent of encroached area released (Hect.)
439 Nos.	72.1650 Ha.	72 Nos.	72.1650	--

1.12.3 The enactment of the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 and its coming into force on 31st December' 2007 after due notification in the Official Gazette and coming into force of the Rule on the day following i.e. on 1st January'2008 has addressed the "historical injustice" committed against forest dwellers and tribals and paved the way for regularization the forest land under their possession through issue of Forest Right. The law concerns the rights of forest-dwelling communities including tribals to land and other resources which was denied to them since pre independence era as a result of the continuance of colonial forest laws in India. India's forests are governed by two main laws, the Indian Forest Act, 1927 and the Wild Life (Protection) Act, 1972. The former empowers the government to declare any area to be a reserved forest, protected forest or village forest. The latter allows any area to be constituted as a "protected area", namely a national park, wildlife sanctuary, tiger reserve or community conservation area. Unfortunately, the tribals and other traditional forest dwellers were deprived of their traditional right to live on the forest land and do self cultivation for their sustenance and livelihood as their rights were either not settled by the forest settlement officer or some forests were declared as such without proper survey. In Orissa, around 40% of such government forests of undivided Ganjam, Koraput, Kalahandi districts are "deemed reserved forests" which have not been surveyed. Three types of rights namely Land rights, Use rights and Right to Protect and Conserve have been recognized under this act to be vested upon the tribals and other users. These are as follows:

1. Land right i.e. to use any forest land, maximum being 4 Ha. per family, that they have been staying over and self cultivating for their livelihood prior to December 13, 2005, the limiting factor being 75 years of occupation by other traditional forest dwellers and no limitation for the tribals.
2. Use rights i.e. to collect minor forest produce like kendu leaves, herbs, medicinal plants etc which were traditionally being collected, grazing and use of water bodies and traditional areas used by pastoralist communities and;
3. Right to Protect and Conserve i.e. to have a say on the management of forest in a sustainable manner, a subject which was heather to a monopoly of the Forest Department;

The rights are settled by following a transparent and democratic three step procedure. At the ground level it is the Gram Sabha which makes a recommendation as to who will get how much forest land and who will collect how much minor forest produce etc.

This recommendation is screened by the Sub-Divisional Level Committee and finally approved by the District Level Committee headed by the collector of the district. These two committees consist of officers of Revenue, Forest and Tribal Welfare Department and involve the common public and the whole process is fully transparent and democratic.

The process of inviting application, scrutiny, and conforming forest right started in the State of Odisha in general and in Ganjam District in particular since 2008-2009 vigorously. So far 3110 no of individual forest rights and 16 no of community rights have been conferred on the beneficiaries in the Ghumsur South Division as on February'2014 and in the process 4960.758 Ha and 41.969 Ha of forest land has been diverted for the purpose respectively. The details are furnished at **Table No. 1.17**. Forest category wise distribution of Forest Right for individual claims are furnished at **Table No. 1.18** and distribution of rights and area diverted under FRA is furnished at **Table No. 1.19**.

Table No. 1.17: **Individual Forest Right & Community Rights issued under Forest Right Act, 2006 & forest area involved**

Name of Division /District	No. of Forest Rights committees constituted	No. of claim Petitions filed in FRC	No. of claim Petition forwarded by Gram Sabha to SDLC	No. of claim petitions forwarded by SDLC to DLC	No. of claim petition approved by DLC and the total Area involved in Ha.	No. of Community claim cases approved by DLC & the total Area involved in Ha.	No. of titles issued for individuals and the area involved (in ha.)	No. of titles issued for communities and the area involved (in ha.)
1	2	3	4	5	6	7	8	9
Ghumsur South /Ganjam	140	3550	3301	3110	3110Nos. 4960.758	16 Nos. 41.969	3110Nos. 4960.758	16 Nos. 41.969

Table No. 1.18: **Forest Area Granted in favour of ST and Other Traditional Forest Dwellers (as on 2012)**

Nature of the Forest	Extent of area settled in Ha.	No of Beneficiaries
Reserved Forest	775.194	340
Proposed Reserved Forest	99.563	42
Demarcated Protected Forest	1243.376	1035
Total	2118.133	1417
Revenue Forest	2842.625	1693
Grand Total	4960.758	3110
Source: DFO, Ghumsur South Forest Division		

Table No. 1.19: **Right settled under Forests Rights Act, 2006 during the outgoing Plan period.**

Range	Block	Area of Forest Block in Ha.	Compartment	Extent of Area settled in Ac	Date of Settlement	No. of Beneficiaries
Aska		-	-	-	-	-
Buguda		-	-	-	-	-
Polosara		-	-	-	-	-
Surada	Pipalapanka	3396.40	6	390.764		
	Pipalapanka		5	22.744		
	Pipalapanka		2	175.935		
	Dhaugaon	1032.20	2 (a & b)	160.131		
	Mundapita	2268.15	1	193.272		
	Mundapita		2	79.970		
	Hukuma	1746.40	2	38.592		
Badagada	Badagada A	9135.00		1211.268		312
	Badagada B	3705.00		619.189		212
				2891.865		524

1.13 LEGAL POSITION

1.13.1 All the Reserved Forests, except Gouduni have been constituted as Reserved Forests under Section 16 of the Madras Forest Act, 1882. Gouduni block was notified under section 21 of the Orissa Forest Act, 1972.

1.13.2 The non-reserved forests of Ghumsur South Division had been included in the outgoing Working Plans. These areas were under the control of Zamindars before their merger in Ganjam District on 27th November, 1952 and came under the management of Government of Odisha and remained under Anchal Sasan till 14th November 1957. With the abolition of Anchal Sasan on 15th November, 1957, the management of ex-zamindari forests of Khallikote, Athagada, Huma, Palur, Biridi, Dharakote, Seragada, Badagada, Badakhemundi, Sanakhemundi, Chikiti, Surangi etc. was transferred to the Forest department. At the time of merger, some blocks of Aska and erstwhile Kodala ranges have been declared as Reserved Lands (RL). These blocks enjoy the status of Protected Forests (PF) as per Section 33 (4) of the Orissa Forest Act, 1972.

1.13.3 The forest areas of Ghumsur (South) Forest Division were reported jointly by the Divisional Forest Officer concerned and the Collector, Ganjam in a District Level Committee (DLC) report which was filed in the Honorable Supreme Court. All the forest blocks of Ghumsur (South) Forest Division find a mention in the DLC report is duly presented in **Appendix – II**.

1.13.4 There are, primarily, four legal types of forests that are covered in this Working Plan. These are

- (i) Reserved forests (RFs - 29 forest blocks)
- (ii) Proposed Reserved forests (PRFs - 6 forest blocks)
- (iii) (a) Reserved lands (blocks) demarcated, surveyed and proposal submitted for notification under section 4 (i) of the Orissa Forest Act, 1972 - (DPF 10 blocks)
(b) Forest blocks demarcated, surveyed and proposal submitted for notification under section 4 (i) of the Orissa Forest Act, 1972 - (DPF 12 blocks)
- (iv) Forest blocks that are under the process of demarcation and survey - (UDPF 5 blocks)

1.14 RIGHTS AND CONCESSIONS

1.14.1 There were no rights to forest produce in any of the Reserved Forests covered by this Plan. Rights of way over roads, cart tracks and foot path, right to worship in shrines situated within Reserved Forests and right to use water of jungle streams wherever admitted are recorded in section 16 of notifications. A full list of rights and right holders is given in **APPENDIX – IV**.

1.14.2 Several concessions like free removal of timber, dry firewood, bamboos, minor forest produce and free grazing were provided to the Kondh residents of villages located in Buguda and Surada ranges. A list of villages and terms and conditions on which these grants were made is given in the Chief Conservator's Proceedings No. 85 dated 25.02.1923 reproduced in **APPENDIX – V**. These concessions were first introduced in 1906 with the purpose of securing active cooperation of the Kondhs in protecting the forests, particularly, against fires and for supply of labour for forest works. The conditions on which these concessions were granted further stipulated that they were liable to be withdrawn in case the Kondhs enjoying the concessions failed to render the required assistance, that there would be no formal agreement which would bind Government in any way, and that the arrangement decided may be given effect to, by an order in writing by the District Forest Officer (now Divisional Forest Officer). The Kondh population enjoying this concession is scattered over wide areas and thus the control over removal of produce is impossible. However, several villages have been abandoned or shifted. The practice of providing concessions has been given up long since apparently due to increase in the population of Kondhs and depletion of forest resources. It is irreversible at present.

1.14.3 From 1909 to 1927, bulls were being given free to the Kondhs of Pondakhhol with the purpose of inducing them to give up shifting cultivation. The grant of bulls was being regulated by the District Forest Officer. This practice stands discontinued since 1929 and there is no need to revive such a concession.

1.14.4 In 1914, the then Government had framed rules (G.O. No. 30073 dated 27.10.1914) to regulate the Management of the Forests and Wastelands lying at their disposal within the Pondakhhol agency tracts and not included in any Reserved Forests. The details of such rules are given in **APPENDIX – VI**.

1.14.5 The rights and concessions allowed in non-reserved forest areas differ widely because these areas belonged to different ex-zamindaris. The details of these rights obtained from Forest Enquiry Committee report is given in **APPENDIX – VII**. In most of the cases, many species have been classified as reserved and Un-reserved with a view to give protection to the species of timber value in the un-reserved land forest blocks. The classification into Reserved and Un-reserved species does not apply to the reserved lands, where all the trees are considered to be reserved. In case of un-reserved forest blocks, tenants were allowed to remove un-reserved species either free of cost or at concessional rates of royalty. However, in practice, these concessions were not provided to people because of the depletion of the forest resources. There is no need to revive these concessions because of the present degraded condition of the forests. However the tribals & forest dwellers have been empowered by the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 to enjoy certain perks and privileges and have the authority to have their say on forest management and use of its resources.

1.15 JOINT FOREST MANAGEMENT (JFM)

1.15.1 The concept of managing the forest with the people participation under Joint Forest Management (JFM) / Participatory Forest Management (PFM) /Community Forest Management (CFM) is relatively new in forest administration but in Ghumsur (South) Forest Division this concept dates back to 1914 for the management of Forests and wasteland at the disposal of the Govt. within the Pondakhhol Agency tracks and not included in any reserve forests. The concept and ideal gained ground after coming into the force of the National Forest Policy, 1988 which envisages co-operation of the people in conservation and development of forests. The Government of Odisha have already adopted the policy of Joint Forest Management (JFM) and sought community participation for protection, regeneration and management of the forest wealth. Prior to this the State Government enacted the Orissa Village Forest Rules, 1985 which prescribed for a Management Plan for every village forest and sought co-operation of the community in protection of these forests. In 1988, the State Government had passed a resolution to formally introduce a Scheme of Protection of peripheral Reserved Forest areas with participation of the adjoining villagers by forming a Village Level Forest Protection Committee. The scope of this resolution was enlarged in 1990 to include the Protected Forests. To make the forest – people interface more effective

and effective and transparent, the Government of Odisha in Forest & Environment Department issued a resolution dated 03.07.1993. This resolution dealt in a fairly exhaustive manner the involvement of all local communities in protection of adjoining forests, formation of Vana Samrakshyana Samiti (V.S.S.), duties and responsibilities of the V.S.S. and their Executive Committees and the role of Forest Department and Gram Panchayats, preparation of Joint Forest Management plan, usufructory benefits for the V.S.S. and provisions of MOU and related issues. Subsequently another Government resolution dated 30.09.1996 tried to confer specific rights in favour of the Village Committees in respect of various products. The JFM Resolution 2008 enacted by the Govt. of Odisha, F& E Department vide their Resolution No.17454 dated 22.10.2008 widened the scope to cover the National Parks and Sanctuaries. This new Resolution paved the way to remove the restriction of harvesting of forest produce in the National Parks and Sanctuaries as per the orders of Hon'ble Supreme Court. A copy of the JFM Resolution 2008 enacted by the Govt. of Odisha, F&E Department vide their Resolution No.17454 dated 22.10.2008 is produced at **APPENDIX – VIII**.

1.15.2 Sustainable management of these vital and Life sustaining resources involving all the stakeholders by introduction of site specific participatory management practices is essential. Sharing of forest produce with the participant user communities is an important ingredient of the modified JFM Resolution. Apart from constituting Vana Samrakshan Samitties in the Reserved Forest, Protected forests, Village forest and Revenue forests as prevalent in the 1996 guideline, the 2008 ;guideline had provision of managing the National Park and Sanctuaries) excluding Core Area, and the Mangrove Wetland through Eco development Committees (EDC). It has modified provisions of constituting JFMC (VSS/EDC) where villagers of the adjacent villages or cluster of villages are willing and/or can be motivated to offer active cooperation in management, protection and regeneration of the forests and is applicable to the forest land forests having crown density of less than 40% (to be treated as degraded forest land).Detail provision of constituting the JFMC in a single village/group of villages, allocation of forest land to them to be decided by the Divisional Level Committee (DLC) under the chairmanship of the DFO were prescribed. It is envisaged that the members of the JFMC shall individually and collectively ensure protection of the forests against fire, grazing, illicit felling, theft of forest produce, poaching of wildlife and encroachment of the forest land. They should also ensure protection of Wildlife staying outside their assigned forests. They have to actively help the forest officials in apprehending any person committing forest offence and in giving proper evidence against any such person

in the court of law. The committee members will prepare micro plan and annual work plan for integrated development of the village (s) and for the conservation, development and sustainable management of the assigned forests and its wildlife under the guidance of the forest department staff. The Micro plan to be operative for a period of ten years shall prescribe various, soil and moisture conservation measures, silvicultural operations, afforestation measures and steps to be taken for livelihood support of the forest dependent communities. It shall also incorporate formation of SHGs and micro-enterprise that may be feasibly undertaken based on locally available resources by them. In case of EDC, the Eco-development Plan may include activities such as eco-tourism, farm forestry, Agro forestry, Silvi-Pasture development, promotion of fuel-efficient device, veterinary care to the village cattle population, development of pisciculture, poultry etc., mushroom cultivation, tassar cultivation, micro-credit facility and mobile health care facility etc. Usufructs like fallen leaves, fodder grasses, thatch grass, broom grass, thorny fencing materials, brushwood, fallen lops, tops and twigs to be used as fuel shall be available to the members of the committee free of cost. In addition all intermediate yield in the shape of small wood, poles, firewood etc as a result of silvicultural operations will be available 100% and in case of final yield by 50% to the committee members.

1.15.3 Under different guidelines 177 Vana Samrakshana Samiti (VSS) have been formed in Ghumsur (South) Forest Division ending December'2013 who are protecting and managing 21200. ha (RF 8500 Ha, PRF/DPF 7120 Ha and Other Forests 5580 Ha.) of forest area covering 13218 families. Details are furnished at **Table No. 1.20**. The list of the VSSs are produced at **APPENDIX – IX**.

Table No. 1.20: **Joint Forest Management Ending December' 2013**

Sl. No.	Name of the Division	Name of the District	No. of VSS formed			Revenue village covered number	Forest area brought under JFM throught JFM			VSS registered under Society Act		
			Till previous quarter (In No.)	During the quarter (in No.)	Total (in No.)		Till previous quarter (In No.)	During the quarter (in No.)	Total (in No.)	Till previous quarter (In No.)	During the quarter (in No.)	Total (in No.)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Ghumsur South Division	Ganjam	177	0	177	177	21200	--	21200	--	--	--

Breakup cumulative forest area under JFMas shown in Col. 10			No. of families covered under JFM			No. of EDC formed	Remarks	
RF (in Ha.)	PRF/DPF (in Ha.)	Other forest land (in Ha.)	SC (in No.)	ST (in No.)	General (in No.)		No. of VSS to a group of villages	No. of VSS by a group of hamlets of villages
14	15	16	17	18	19	20	21	22
8500	7120	5580	2473	2224	13218	--	--	--

CHAPTER - IIA

FLORA & FAUNA

A. FOREST FLORA

2.1 COMPOSITION AND CONDITION OF THE CROP

2.1.1 The forests of Ghumsur (South) Forest Division in particular and that of Ganjam District in general is diverse in nature and accounts for its tremendous wealth of biodiversity. It has abundance natural beauty and wildlife. The forest Division being located centrally in the tropical zone of Indian subcontinent along the eastern coast of India is characterized by predominance of tropical mixed deciduous due to the edaphic and climatic condition prevalent in the region. In lower hills and plains, the forests are dominated by sal crop but as the altitude increases in upper hill slopes the crop becomes mixed in nature with increase in the population of miscellaneous species. The temperature is very high in summer and the humidity is low except in rainy season. The rain fall is medium and gets confined to the monsoon season i.e. from mid June to mid September. Rain fall beyond the rainy season is erratic and not assured. Such wide range of rain fall, humidity and temperature favours deciduous nature of the forests. The wide range of its physical features such as the lofty hills of the Eastern Ghats ranging from sea level to about 1500 mt altitude has greatly influenced the vegetation to give rise to a rich and varied flora. Most of the forest blocks of the Division had good percentage of Sal in the past, but the continuous biotic interference and degradation of Forest the density and quality of Sal has reduced giving way to miscellaneous species of less economic importance. However till now it is the major species in some of the important large forest blocks such as Pandakhol. The total number of species of vascular plants recorded is 1483 representing 177 families which include 138 species of cultivated plants. A statistical analysis of the indigenous flora shows that the percentage of species of Dicotyledons and Monocotyledons in the flora is 75.6 and 24.4 respectively compared to 81.30 and 18.70 in the flora of the world. This shows higher percentage of monocotyledons in the flora of Ganjam compared to the flora of the world. This is mainly due to the large number of grasses and sedges available in the district. The monocotyledons are poorly represented except plants belonging to the family Cyperaceae and Poaceae. Out of the 319 species of monocotyledons, 196 species belong to these two families and the remaining 123

species to 30 different families. The other families of monocotyledons, where the species number is more than ten are, Orchidaceae, Zingiberaceae and Commelinaceae, which form the dominant feature of the monocotyledonous vegetation. The Gymnosperms are represented only by two indigenous species, such as *Cycas circinalis* and *Gnetum ula*. The Pteridophytes are represented by about 46 species of ferns and its allies.

2.1.2 The physiography, geology, soil and climate of Ganjam District are well suited to luxuriant forest growth. The previous Working Plan description of the forests has undergone a major change because of unsustainable human influence on account of excessive and arbitrary removal of timber and heavy grazing. As a result, there has been variation in the extent of forest area under each type of forest as per Champion and Seth's revised classification keeping the total area intact.

2.2 CONDITION OF THE CROP

2.2.1 The forests of Ghumsur (South) Forest Division vary widely from good Sal forest to the scrub forest. Out of five Ranges; Sorada, Buguda, Polsara, Aska and Badagada, the first three have good forest growth whereas the last two Ranges have very sparse and scattered degraded forests on the small hillocks adjoin the human habitation. Enumeration had been done in most of the Reserved Forests of Sorada and Buguda Range and the Pandripada block of Polsara Range.

2.2.2 The forest blocks of the Ghumsur (South) Division can be divided into four types based on extent of degradation. The degradation of forests ascribes to anthropogenic factors such as illegal removal, uncontrolled grazing, forest fire, shifting cultivation, encroachment, quarrying and induced soil erosion etc. The large track of population along the coastal plains from Andhra Pradesh border to Balugaon solely depends upon the forests of Ghumsur (South) Division to meet their timber demand and hence the pressure causes forest degradation, especially loss of valuable species from the forests. Based on the quality of high forests along with good canopy cover the forests could be categorized as follows.

2.2.3 **Good Forests :-** The degradation is not yet started, although the forest is prone to illicit felling. The other factors like uncontrolled grazing, forest fire and shifting cultivation, encroachment etc. are not rampant. Nevertheless, there are many reports of illicit

fellings. The forest blocks, which belongs to this category, are Pondakhol and part of Dhaugam.

2.2.4 Partially Degraded forests :- These forest blocks are degraded and the crown is open at many places. Illicit fellings and grazing are two main factors responsible for the degradation. The other factors such as encroachment, shifting cultivation, old extraction pathways and soil erosion contribute to the degradation. Few blank patches are present in these forest blocks and some areas may be rated as completely degraded forest. The forest blocks that belong to this category are Dhaugam, Pipalapanka (P), Badagada - A (P), Badagada - C (P), Kriamba (P) and Pandripada (P).

2.2.5 Highly Degraded Forests :- These forest blocks are in advance stage of degradation. Forest canopy is open at large number of places. Blank patches are common. The undergrowth is dense, mostly of weeds. All types of soil erosion are present. The main factors responsible are heavy illicit felling, uncontrolled grazing and encroachment besides shifting cultivation, quarrying and soil erosion. The forest blocks belonging to this category are Malijhar - I, Badagada - C (P), Karchuli - A, Karchuli - B, Panchabhuti - A, Panchabhuti - C, Budurungu, Chamunda, Kadapada, Nagiri, Sollundi, Kriamba (P), Pipalapanka (P), Dhepaguda, Bondhagocha, Hukuma, Mundapita, Pankalagam, Dabuki, Raipada (P), Srirampalli, Badagada - A (P), Badagada - B, Khaladimal and Pandripada (P).

2.2.6 Fully Degraded / Scrub Forest :- The canopy of this type of forest is generally open. Most of the forest area is nothing but blank patches. Even the underlying soils and rocks are exposed. The flora mainly consists of shrubs of hardy and thorny species. Heavy soil erosion and grazing is present. Some patches are even unfit for grazing. Even rootstock is being removed in some patches of Polsara range. The forest area is covered with hardy and thorny shrub and herbs and scattered degraded bamboo clumps. The forest blocks belonging to this category are Gouduni, Badua, Bhumidimiripalli, Suliaguda, Hatimunda, Kantakhol, Chapudia, Rasibadi, Badadanda, Pakidi, Chemidi, Malijhar - II, Ambadaban, Gadagada, Machakhai, Kansa, Ramapalli, K. Vishnuchakram, Binodia, Tangarai, Sandasulia, Jhollery, Raipada (P), Purunapani Daburia, Jokalundi, Bhalukhai, Sodaka - A, Sodaka - B, Paikajamuna and Kakudia.

2.2.7 Bamboo grows extensively in the miscellaneous forests in Pondakhol, Pandripada, Badagada - A, Badagada - B and Badagada - C forest blocks. Most of the forest blocks of the Division had good percentage of Sal in the past, but the continuous biotic interference and degradation of forest the density and quality of Sal has reduced giving way to miscellaneous species of less economic importance. However till now it is the major species in some of the important large forest blocks. The main species of bamboo is “*Dendrocalamus strictus*” and it is associated with sal. The other bamboo species like *Bambusa aurindinaceae*, *Bambusa nutance* available in small proportion in a few compartments only. Bamboo is in degraded stage in some of the forest blocks due to illicit and unscientific removal of young bamboo culms. The sample enumeration data supplied by NRSA, Hyderabad reveals that species like Sal, Piasal, Kasi, Sisoo, Gambhar, Bandhan, Kuruma, Mundi etc. are decreasing where species like Asan, Dhaura, Moi, Kusuma, Kendu, Mahula, Karada and other miscellaneous species are increasing. Another remarkable feature of sal forests in the Division is young and middle-aged trees are found in higher percentage while there is poor representation of trees of higher girth class. The reason is due to unregulated exploitation and high biotic pressure. Though there is severe biotic pressure , still good forests are existing in this Division, particularly in Pandakhol, Pipalpanka etc.

2.3 CLASSIFICATION OF FORESTS

2.3.1 All previous Plans up to P.K.Jha’s Plan have adopted silvicultural classifications made by Champion and Seth in their Revised survey of Forest Types in India, 1962” the forests of Ghumsur (South) Division were mainly classified in to the following types.

I MOIST TROPICAL FORESTS

Group 3 TROPICAL MOIST DECIDUOUS FOREST

SUB GROUP 3 C North Indian Tropical Moist Deciduous Forests.

C 2	Moist Sal bearing forests.
C 2 / 2e	Moist Peninsular Sal forest.
C 2 / 2e (i)	Moist Peninsular high level Sal.
C 2 / 2e (ii)	Moist Peninsular low level Sal.
C3	Moist mixed deciduous forest (without Sal).
2 S 1	Northern Secondary moist mixed deciduous forest.
	Edaphic types
2 S 1	Dry Bamboo brakes

Group 4 LITTORAL AND SWAMP FORESTS

SUB GROUP 4 E Tropical riparian fringing forests

II DRY TROPICAL FORESTS

Group 5 TROPICAL DRY DECIDUOUS FORESTS

SUB GROUP 5 B Northern tropical dry deciduous forests

- C 1 Dry Sal bearing forest
- C 1 / 1c Dry Peninsular Sal forest
- C 2 Northern dry mixed deciduous forest
- Degradation stages of tropical dry deciduous forests
- D S 1 Dry deciduous scrub
- E 9 Dry Bamboo brakes

2.4 TROPICAL MOIST DECIDUOUS FOREST

2.4.1 **General floristics :-** Sal is the ecologically characteristic species of the north Indian moist deciduous forest. *Terminalia*, *Lagerstroemia* and *Pterocarpus* form the most noticeable associate. *Schleichera* and *Careya* are frequent in the second storey. *Mallotus philippensis* is the characteristic of the alluvial Sal forests. *Dendrocalamus strictus* is generally associated with the miscellaneous forests devoid of Sal. Certain shrubs and weeds such as *Mallotus*, *Clerodendrum viscosum*, *Pogostemon*, *Murraya koenigii* occurs gregariously in the undergrowth. *Bauhinia vahlii* is a common climber.

2.5 3 C / C 2 / 2 e (i) MOIST PENINSULAR HIGH LEVEL SAL

2.5.1 This type of forests is found on top hill of compartments 6, 7, 8, 9, 11, 12, 14 and 15 of Pondakhhol. The uneven aged Sal of site quality III - IV is present on the top reaches of hill. The regeneration of Sal is found to be good to moderate. The typical associate is *Dendrocalamus strictus*. The crown is closed and crown density is 70 - 80%. This restricted the number of undergrowth and herbs. The top canopy consists of *Shorea robusta* (Sal), *Terminalia tomentosa* (Asana), *Anogeissus latifolia* (Dhau), *Syzygium cumini* (Jamun), *Pterocarpus marsupium* (Bija), *Madhuca indica* (Mahula) and *Schleichera oleosa* (Kusum), *Lagerstroemia parviflora* (Sidha), *Adina cordifolia* (Halanda), *Xylia xylocarpa* (Kangada), *Dillenia pentagyna* (Rai). The second storey consists of *Kydia calycina* (Kapasias), *Morinda*

tomentosa (Achu), *Dalbergia paniculata* (Dhobi), *Embllica officinalis* (Anla), *Desmodium oojeinensis* (Bandhan), *Bridelia retusa* (Kasi), *Terminalia chebula* (Harida), *Grewia tillifolia* (Dhaman), *Buchanania lanzan* (Chara), *Aegle marmelos* (Bela), *Dendrocalamus strictus* (Salia Bamboo), *Cleistanthus collinus* (Karada), *Diospyros melanoxylon* (Kendu), *Mitragyna parvifolia* (Munda mundi), *Stereospermum colaris* (Patuli), *Dalbergia sissoo* (Sissoo), *Albizia lebbeck* (Sirish), *Cassia fistula* (Sunari) and *Mallotus philippensis* (Sindurgundi). The undergrowth is less and consists of shrubs like *Cycas cercinalis* (Arguna), *Flacouria jangomas* (Baincha), *Ixora pavetta* (Kilakeruhna) and *Holarrhena antidysenterica* (Keruhna). The herbs consists of *Sida species* (Bajramuli) and *Curcuma aromatica* (Palua). The climbers are represented by *Dendrophthoe falcata* (Mandalai), *Asparagus racemosus* (Satabari), *Schefflera venulosa* (Tankulai), *Hemidesmus indicus* (Sugandhi), *Combretum roxburghii* (Khukundia), *Smilax zeylanica* (Muturi), *Ventilago denticulata* (Pichhuli), *Bauhinia vahlii* (Siali), *Aristolochia indica* (Panaairi), *Butea superba* (Palasa lai) and *Dioscorea oppositifolia* (Pithal). The grasses present include *Elephantopus scaber* (Mayurchulia) and *Cynodon dactylon* (Duba grass). The regeneration of sal and other principal species is adequate on the plains but it is deficient in higher slopes of the hills. Sal is gradually replaced by miscellaneous species like asan, dhaura etc. as one goes up in the slopes. Ground fire incidence is a common phenomenon which adversely affects regeneration.

2.6 3 C / C 2 / 2 e (ii) MOIST PENINSULAR LOW LEVEL SAL

2.6.1 This type occupies the lower hills of southern aspect of Bondhagocha, foot hills of Pipalapanka, compartment numbers 2 - 20, 27 - 31, 35 - 36 of Pondakhhol, southern aspect of Pankalagam, Kriamba, Panchabhuti and Pandripada forest blocks and in plain forests such as Dabuki, Kadapada, Sollundi, Nagiri and Budurungu. The Sal is present in the lower slope of the hills. The higher slope of the hills consists of other species with or without *Dendrocalamus strictus*. The typical associate of Sal is *Pterocarpus marsupium* (Bija) and *Terminalia tomentosa* (Asan) in the higher storey and *Embllica officinalis* (Anla) in the second canopy. Sal of uneven aged crop of site quality III - IV is present. The regeneration of Sal varies from excellent to good. However, the regeneration of Sal on the higher slope of the hills is deficient or absent. The regeneration of other species varies from moderate to fair. The crown is open at various places that encourage the undergrowth. The top storey consists of species like *Shorea robusta* (Sal), *Terminalia tomentosa* (Asan), *Pterocarpus marsupium* (Bija), *Anogeissus latifolia* (Dhau) and *Madhuca indica* (Mahula).

The second storey includes *Emblica officinalis* (Anla), *Buchanania lanzan* (Chara), *Diospyros melanoxylon* (Kendu), *Terminalia chebula* (Harida), *Kydia calycina* (Kapasias), *Desmodium oojeinensis* (Bandhan) and *Bridelia retusa* (Kasi). The higher slopes contain all these trees with *Dendrocalamus strictus* except *Shorea robusta*. The undergrowth consists of shrubs like *Phoenix acaulis* (Bana Khajuri), *Woodfordia fruticosa* (Datki) and *Indigofera pulchella* (Gilri). The herb consists of *Andrographis paniculata* (Bhuinnim), *Holarrhena antidysenterica* (Keruhna), *Zornia gibbosa* (Lunulunia) and *Sida cordata* (Bajramuli) etc. The common climbers are *Bauhinia vahlii* (Siali), *Smilax zeylanica* (Muturi), *Hemidesmus indicus* (Sugandhi) and *Butea superba* (Palasa lai). Grasses are represented by *Imperata cylindrica* (Chana grass) and *Cynodon dactylon* (Duba grass). The Sal is replaced by other miscellaneous species like *Anogeissus latifolia*, *Buchanania lanzan*, *Acacia catechu* and *Diospyros melanoxylon* etc. The small trees of *Phoenix acaulis* are found scattered in eroded forests. These type of patches are observed in almost all the blocks, more particularly in Pandripada, Pipalapanka, Dabuki and Kriamba

2.7 3 C / C 3 MOIST MIXED DECIDUOUS FOREST (WITHOUT SAL)

2.7.1 The forests are present widely through almost all the hilly tracts occupied by the moist peninsular low level Sal, such as Bondhagocha, Pondakhol, Pankalagam, Kriamba, Panchabhuti and Pandripada. It also occurs exclusively in compartment No. 21, 22, 23, 24 of Pondakhol. The typical forest canopy is closed, which includes a number of dominant species intimately mixed and a good many second storey trees; few of them are evergreen. There is heavy presence of climbers and shrubs with little or no grass. During monsoon, luxuriant herbaceous growth appears. The varying drainage and moisture retention conditions present in the hills makes the growth of other combination possible. Sal is not adapted to these varying conditions. The top canopy is occupied by *Terminalia tomentosa* (Asan), *Pterocarpus marsupium* (Bija), *Lagerstroemia parviflora* (Sidha), *Anogeissus latifolia* (Dhau), *Adina cordifolia* (Halanda), *Salamalia malberica* (Simuli), *Terminalia chebula* (Harida), *Diospyros melanoxylon* (Kendu), *Terminalia bellerica* (Bahada), *Schleichera oleosa* (Kusum), *Soyimida febrifuga* (Som), *Stereospermum personatum* (Patuli), *Madhuca indica* (Mahula), *Lannea coromandelica* (Mai), *Mitragyna parvifolia* (M. Mundi), *Terminalia arjuna* (Arjuna) (along streams) and may be few Sal. The second canopy is occupied by *Desmodium oojeinensis* (Bandhan), *Cassia fistula* (Sunari), *Kydia calycina* (Kapasias), *Emblica officinalis* (Anla), *Aegle marmelos* (Bela), *Grewia tiliaefolia* (Dhaman), *Bridelia*

retusa (Kasi), *Cleistanthus collinus* (Karada), *Gardenia turgida* (Khurudu), *Gardenia latifolia* (Jhuntia), *Buchanania lanzan* (Chara) and *Butea monosperma* (Palasa) etc. along with the *Dendrocalamus strictus*. The important shrub and herbs are *Woodfordia fruticosa* (Jhatiko), *Moghania chhapar* (Ramadannta kathi) and *Clerodendrum viscosum* (Kumbhatua) etc. *Butea superba* (Palas lai) is the most important climber present in the forest.

2.8 3 C / 2 S 1 NORTHERN SECONDARY MOIST MIXED DECIDUOUS FORESTS

2.8.1 These are present in very small pocket of compartment 11 and 12 of Pandripada adjoining to Khordha Division. These are the patches of the forests where Sal is not found in abundance but other secondary species are more prevalent. The climate of the area resembles that of semi evergreen type. Here the soil condition is not suitable for luxuriant tree growth. The upper canopy is most of the time light and broken with constituent tree species which have relatively short boles and in poor form. The middle story and the ground flora is thin and shrubby. These forests become leafless and during hot weather the soil becomes fully exposed. Regeneration is generally inadequate. The extent of this type is likely to increase in future if poor edaphic conditions prevail. The upper canopy consists of *Mangifera indica* (Mango), *Anthocephalus cadamba* (Kadamba), *Alstonia scholaris* (Chhatian), *Dillenia pentagyna* (Rai), *Schleichera oleosa* (Kusum), *Terminalia tomentosa* (Asan) and *Bridelia retusa* (Kasi) etc. The middle canopy consists of *Careya arborea* (Kumbhi), *Polyalthia cerasioides* (Nobunisoro), *Strychnos potatorum* (Kotokal), *Milusa velutina* (Gandhapalasa) and *Mallotus philippensis* (Sindurgundi). The shrubs like *Glycosmis pentaphylla* (Hanmirchi), *Strobilanthes scaber* (Kakusia) and *Maba buxifolia* (Goakuli) etc. are present. The climbers are represented by *Combretum decandrum* (Atundi) and *Bauhinia vahlii* (Siali lai).

2.9 3 C / 2 S 1 DRY BAMBOO BRAKES

2.9.1 This type occurs in patches, generally in the higher slopes and hill top of compartment 8 - 12 and 14 - 20 of Pondakhhol, 3 - 4 and 6 - 9 of Pandripada, Badagada - A, Badagada - B and Badagada - C forest blocks. *Dendrocalamus strictus* forms dense brakes and height is up to 7 mt. The over wood present may be few and scattered. The other species

present are *Anogeissus latifolia* (Dhau) and *Lannea coromandelica* (Mai) etc. Regeneration of other species in bamboo brakes is almost absent.

2.10 4 E TROPICAL RIPARIAN FRINGING FOREST

R S 1 RIPARIAN FRINGING FORESTS

2.10.1 This forest type is present in the narrow fringe along the river Rushikulya in the compartment numbers 15 - 17, 19 - 20, 22 - 25, 27, 31, 32, 35, 36 of Pondakhhol, Dhaugam 2 (b), compartment number 3 of Pipalapanka, Dabuki and Bondhagocha. The characteristic species present is *Terminalia arjuna* (Arjuna), *Syzygium cumini* (Jamun) and *Barringtonia acutangula* (Hinjala). These trees stand widely spaced with smaller trees and shrubs. The soil is sandy and liable to erosion.

2.11 5 DRY TROPICAL FORESTS

5 B NORTHERN TROPICAL DRY DECIDUOUS FOREST

5 B / C 1 DRY SAL BEARING FORESTS

5 B / C 1 / 1 C DRY PENINSULAR SAL FORESTS

2.11.1 This short type of forests is found in areas where moisture content is low . It is present in the eastern side of Bondhagocha, Mundapita, Hukuma, Raipada, Dhepaguda, Karchuli - A etc. Sal of site quality IV mixed with other species is present. The canopy is open and irregular at many places. The occurrence of defective stems is high. The characteristic associate in the top canopy is *Anogeissus latifolia* (Dhau). The second canopy's characteristic associate is *Gardenia turgida* (Khurudu) and *Gardenia latifolia* (Jhuntia). The shrub is typically represented by *Wendlandia tinctoria* (Tilei) and *Phoenix acaulis* (Bana Khajuri). The grass most commonly present is *Eulaliopsis binata* (Sabai grass). This forest types occurs even in the areas of high rainfall if the soil is unable to retain the moisture.

2.11.2 The top canopy in this forest consists of *Shorea robusta* (Sal), *Terminalia tomentosa* (Asan), *Pterocarpus marsupium* (Bija), *Madhuca indica* (Mahula) and *Anogeissus latifolia* (Dhau). The second canopy is dominated by species like *Buchanania lanzan* (Chara), *Terminalia chebula* (Harida), *Emblica officinalis* (Anla), *Desmodium oojainensis* (Bandhan), *Kydia calycina* (Kapasias) and *Bridelia retusa* (Kasi). The shrubs are represented by *Phoenix acaulis* (Bana Khajuri), *Woodfordia fruticosa* (Datki) and *Indigofera pulchella* (Gilri). The

grasses and climbers are represented by *Bauhinia vahlii* (Siali), *Butea superba* (Palasa lai) and *Smilax zeylanica* (Muturi).

2.12 5 B / C 2 NORTHERN DRY MIXED DECIDUOUS FOREST

2.12.1 This type of forest is found in areas where drier condition prevails such as Kumarsuni Vishnuchakram, Sandasulia, Jokalundi etc. Sal occurs scarcely. *Anogeissus latifolia* (Dhau) is the most dominant species. The canopy is broken and the regeneration of other species is poor. The canopy height is about 15 – 20 metres having mixture of small and big trees. The forest becomes leafless with fully exposed soil in hot weather. The under growth is thin and scabby. The occurrence of Dhaura and Karada is increasing in most of the forest blocks. Grazing and fire is common phenomena in major forest blocks. The top canopy is represented by *Anogeissus latifolia* (Dhau), *Terminalia tomentosa* (Asan), *Diospyros melanoxylon* (Kendu), *Buchanania lanzan* (Chara), *Terminalia chebula* (Harida), *Cleistanthus collinus* (Karada), *Madhuca indica* (Mahula) and *Lagerstroemia parviflora* (Sidha). The second canopy is represented by *Embllica officinalis* (Anla) and *Acacia catechu* (Khaira). The shrub is mostly represented by *Woodfordia fruticosa* (Datki) and *Phoenix acaulis* (Ban Khajuri).

2.13 5 / D S 1 DRY DECIDUOUS SCRUB

2.13.1 This forest occurs in number of blocks of Polsara and Aska ranges like Purunapani Daburia, Chapudia, Suliaguda, Malijhar - I and Malijhar - II, Machakhai, Hatimunda, Chemidi, Kantakhol, Gouduni, Raipada, Kumarsuni Vishnuchakram, Sandasulia, Gadagada etc. The soil is exposed and broken at many places. The shrub grows up to 3 - 6 mt height and occurs in patches. Bamboo clumps are also present. Regeneration of all species varies from fair to deficient. These forest blocks are the result of long continued maltreatment like illegal removal, grazing, fuel and pole felling etc. The soil in this type of forests is very degraded and not suitable to regenerate a good forest. The species present include *Chloroxylon swietenia* (Bheru), *Aegle marmelos* (Bela), *Acacia nilotica* (Babul), *Cleistanthus collinus* (Karada), *Acacia leucophloea* (Guharia), *Albizia lebbeck* (Sirish), *Naringi crenulata* (Benta), *Dalbergia paniculata* (Dhobi), *Sterculia urens* (Genduli), *Diospyros melanoxylon* (Kendu), *Cascabela thevetia* (Kaniar) and *Azadirachta indica* (Neem). The shrubs present are *Cycas cercinalis* (Arguna), *Lepisanthes rubiginosa* (Ankuta),

Phoenix acaulis (Ban Khajuri), *Cassia tora* (Bana chakundi), *Carmona retua* (Guachipa), *Ziziphus oenoplia* (Kanteikoli), *Holarrhena antidysenterica* (Keruhna), *Ixora pavetta* (Kilakeruhma), *Lantana camara* (Nagaairi), *Eupatorium odoratum* (Gandhuri), *Maytenus hookeri* (Pengu), *Cipadessa baccifera* (Rahamabili), *Flacouria jangomas* (Baincha), *Suregada augustifolia* (Dalasingha), *Zornia gibbosa* (Lunulunia), *Bauhinia purpurea* (Barada), *Leea macrophylla* (Hatikana), *Canthium parviflorum* (Tutudi) and *Capparis sepiaria* (Hudupi). The herbs present are *Costus speciosus* (Gaigobara), *Andrographis paniculata* (Bhuinnim), *Sida cordata* (Bajramuli), *Carissa spinarum* (Khirakoli), *Carissa carandas* (Karandakoli) and *Martynia annua* (Banasurisa). The climbers present are *Capparis zeylanica* (Asadhua), *Tragia involucrata* (Bichhuati), *Acacia pinnata* (Dantari), *Caesalpinia decapetala* (Gila), *Abrus precatorious* (Kaincha), *Dioscorea pentaphylla* (Karaba), *Boerhavia diffusa* (Kharakhari), *Combretum roxburghii* (Khukundia), *Smilax zeylanica* (Muturi), *Butea superba* (Palasa lai), *Aristolochia indica* (Panaairi), *Hemidesmus indicus* (Sugandhi), *Asparagus racemosus* (Satabari) and *Schefflera venulosa* (Tankua lai). The grasses present include *Tridax procumbens* (Bisalyakarani), *Cynodon dactylon* (Duba grass), *Imperata cylindrica* (Chhana grass) and *Elephantopus scaber* (Mayurchulia) etc.

2.14 SPECIES INTRODUCED ARTIFICIALLY

2.14.1 The target and achievement of plantations during the P K Jha's plan period (from 2001-02 to 2012-13) is presented in table 7.4. Before this plan period the target of plantation could be achieved only in the Teak Plantation Working Circle as per the details furnished in Jha's plan which is presented at **Table No. 2.1**. In other Working Circles it could not be achieved mainly due to paucity of fund in the forest sector both in Plan and Non Plan. The situation improved during the P.K.Jha's plan period as substantial improvement took place in the funds allocation to the forestry sector, especially in the afforestation and allied activities.

Table No. 2.1: Target and Achievement of Plantation Prior to P K Jha's Plan

Forest Blocks covered	Prescription Circle	Area (ha)	Plantation Raised in ha		
			Between 1970 - 90	Between 1990 - 99	Total
Nagiri, Panchabhuti, Karchuli, Kriamba and Raipada	Teak Plantation Working Circle	1003.08	861.41	556.00	1417.41
Kumarsuni, Tangarai and	Rehabilitation	2952.55	745.15	531.00	1276.15

Forest Blocks covered	Prescription Circle	Area (ha)	Plantation Raised in ha		
			Between 1970 - 90	Between 1990 - 99	Total
Sandasulia	Working Circle				
Hukuma, Dhaugam, Pipalapanka, Kriamba Pondakhol and Dabuki	Soil Conservation Working Circle	2766.99	254.00	100.00	354.00
Almost all blocks of non-reserve forest area	Plantation Working Circle	38000.00	11592.00	3444.00	15036.00
Source : Divisional Forest Officer, Ghumsur (South) Division.					

2.14.2 Several changes and modifications took place in the Forest & Environment Department during the last Plan period. Major reorganization took place in 2003-04 and the afforestation wing and the social forestry project Divisions were winded up/ got converted to Territorial/Wildlife Divisions. This has resulted in getting the afforestation work by the Ghumsur (South) Division alone as against it being done additionally by the Plantation wing of the Orissa Forest Development Corporation Limited (Divisional Manager, Plantation (A) and (B) Divisions, Berhampur), Afforestation Wing of the Forest Department (Afforestation division, now Social Forestry Project Division, Berhampur) and Coastal shelter belt Division.

2.14.3 A hundred percent Central scheme called National Afforestation Programme (NAP) was implemented since 2002-03 during the 10th Plan period under funding from the National Afforestation and Eco-Development Board, Ministry of Environment and Forests by way of merger of four 9th Plan Centrally Sponsored afforestation schemes namely Integrated Afforestation and Eco-Development Projects Scheme (IAEPS), Area Oriented Fuel wood and Fodder Projects Scheme (AOFFPS), Conservation and Development of Non-Timber Forest Produce including Medicinal Plants Scheme (NTFP) and Association of Scheduled Tribes and Rural Poor in Regeneration of Degraded Forests (ASTRF), with a view to reducing multiplicity of schemes with similar objectives, ensuring uniformity in funding pattern and implementation mechanism, avoiding delays in availability of funds to the field level and institutionalizing peoples participation in project formulation and its implementation. In the participatory mode, the scheme would be implemented by involving two-tier set up namely the Forest Development Agencies (FDAs) and Joint Forest Management Committees (JFMCs). This decentralized institutional structure would allow greater participation of the community both in planning and implementation of the appropriate afforestation programmes. This would ground the people-centered approach in

afforestation programmes and provide a firm and sustainable mechanism for devolution of funds to JFMCs for afforestation and related activities. Different guidelines for implementing the scheme, approval of the scheme by NAEB, flow of funds from Govt. of India to FDA and from FDA to the VSSs/ JFMCs etc., Preparation of micro plan , signing of MOU (Memorandum of Understanding), accounting procedure etc., were prescribed. Minimum area of compact block in the scheme is not prescribed, though projects will as far as possible aim for compactness, and blocks of less than 20 ha will not normally be taken for treatment. It was earmarked that Project areas should be selected in such a way that major part of the project comprises degraded forests, pasture and community lands. In addition, lands such as roadside, canal side and railway lines may also be included in the projects as longitudinal /strip plantations of two rows or more.

2.14.4 During the year 2009, after proper grounding of the NREGS throughout the country Govt. desired to have convergence between NAP and NREGS as per the Convergence guidelines jointly issued by the Ministry of Environment and Forest (MoEF) and Ministry of Rural Development (MoRD), Govt. of India. Accordingly the VSS selected for implementation of NAP shall also be involved for different activities under NREGS. These activities can include afforestation, reforestation, water harvesting, soil and water conservation, check dams construction, forest road maintenance and nursery raising and planting on village common lands / private land, etc. This will help in focused and integrated development of the villages selected under both the programmes NAP & NREGS. To achieve this, perspective plan for NREGS and proposal for NAP shall be drawn with synergy and submitted respectively to DRDA and NAEB. While NAP proposal will be funded by NAEB, NREGS proposals needs to be funded by DRDA based upon Annual Work Programme drawn in accordance with the perspective plan. Convergence of NAP with NREGS planning will have to be both for preparing perspective plans and annual plans. Guidelines of NREGS stipulate the formulation of perspective plan to facilitate advance planning and to provide a development perspective for the district. The Annual work plan (AWP) of NREGA lists the shelf of projects recommended by the gram sabha and finalized by the Gram Panchayat/ZP. If the perspective plan has been made then the AWP will be broadly based on the perspective plan but must be endorsed by the Gram Sabha/PRIs as per the Act. The NREGA plan will be based on the permissible works under schedule one, NREGA. Micro plans would be prepared by the JFMC/FDAs as per NAP guidelines for NAP assistance and consolidated/vetted through FDAs for NAP funding. This has given impetus to the funding for afforestation and

related works as this convergence mechanism through dovetailing of procedure to be followed / scheme implementation/ afforestation and soil water conservation measures etc./monitoring and evaluation / auditing etc. have become mutually beneficial. However the non negotiable items under NREGS such as to employ only the job card holders, maintaining Muster Roll at the work site with copies in the Gram Panchayat and to be electronically maintained on nrega.nic.in, social auditing through Gram Sabha, Wage payments through no frills accounts in banks / post office etc. were adhered to.

2.14.5 Most of the plantations raised by various agencies are not in good shape. Some of the plantations are coppice of the older plantations. The silvicultural operations like thinning have not been carried out in any of these plantations probably due to resource crunch. Some plantations, particularly which are given protection under Joint Forest Management, have shown excellent results. Some of the remarkable plantations are at compartment 13 of Kriamba (Teak and Miscellaneous), and Gouduni (all Teak). Profuse natural regeneration of the indigenous species is noticed in some of the plantations.

2.15 REGENERATION SURVEY:

2.15.1 The regeneration study has been conducted along with sample point enumeration over 900 points covering 10 RF Blocks viz. Pandakhol, Pipalapanka, Raipada, Dhaugam, Mundapita, Hukuma, Bandhagochha, Dhepaguda, Dabuki, Pankalgam etc. supplied randomly by the ORSAC, Bhubaneswar during 2013-14 and the result of the survey has been given in **Table No. 2.2**. The study was carried out in each sample point area of 0.1Ha. and the Regeneration of twelve major trees species namely Sal, Bandhan, Sissoo, Gambhar, Piasal, Halanda, Kasi, Mundi/Mitikinia, Asan/ Sahaj, Moi/Indra moi, Kusum and Jamun enlisted in the exploitable species in Chapter-II of Part –II. The regenerated plants were classified into established, woody, whippy and recruit categories. All the plants were enumerated and scored. The presence of either established or woody is sufficient for scoring in any quadrant. The numeric value given to established seedlings:5, woody:4, whippy:2 and recruit:0.5 respectively. The data obtained from all the 900 sample points in the field were grouped into Reserved Forest block-wise and conclusion is drawn on the basis of representation of the above said four categories of regeneration of 12 major species on per hectare basis and is produced on the table 2.2. The scale of scoring for regeneration is given

at **Table No. 2.3**. It is observed that only Sal whose regeneration is established whereas all other species are having deficient to moderate/fair regeneration status.

Table No. 2.2: **Regeneration Status of Major 12 Species**

ABSTRACT OF REGENERATION STATUS

Block: Pandakhhol RF

Compt. No.	Species											
	Asan	Bandhan	Gambhar	Halanda	Jamun	Kashi	Kusum	M.Mundi	Piasal	S.Mai	Sal	Sisoo
1	D	D	D	D	D	D	D	D	D	D	G	D
2	D	D	D	D	D	D	E	D	D	D	M	D
3	D	D	D	D	D	D	E	D	D	D	D	D
4	D	D	D	D	D	D	E	D	D	D	G	D
5a	D	D	D	D	D	D	E	D	D	D	M	D
5b	D	D	D	D	D	D	E	D	D	D	E	D
6	F	D	D	D	D	D	E	D	D	D	F	D
7	F	D	D	D	D	D	E	D	D	D	D	D
8	F	D	D	D	D	D	E	D	D	D	D	D
9	D	D	D	D	D	D	E	D	D	D	M	D
10	F	D	D	D	D	D	E	D	D	D	D	D
11	D	D	D	D	D	D	E	D	D	D	M	D
12	E	D	D	D	D	D	E	D	D	D	M	D
13	D	D	D	D	D	D	E	D	D	D	E	D
14	F	D	D	D	D	D	E	D	D	D	F	D
15	D	D	D	D	D	D	E	D	D	D	D	D
16	D	D	D	D	D	D	E	D	D	D	M	D
17	D	D	D	D	D	D	E	D	D	F	D	D
18	D	D	D	D	D	D	E	D	D	D	D	D
19	D	D	D	D	D	D	E	D	D	M	D	D
20	F	D	D	D	D	D	E	D	D	D	M	D
21	D	D	D	D	D	D	E	D	D	F	D	D
22	D	D	D	D	D	D	E	D	D	D	F	D
23	D	D	D	D	D	D	E	D	D	D	G	D
24	F	D	D	D	D	D	E	D	D	F	D	D
25	D	D	D	D	D	D	E	D	D	D	F	D
26	F	D	D	F	D	D	D	D	D	D	E	D
27a	D	D	D	D	D	D	D	D	D	D	M	D
27b	D	D	D	D	D	D	D	D	D	F	D	D
28	D	D	D	D	D	D	D	D	D	D	M	D
29a	D	D	D	D	D	D	D	D	D	D	M	D
29b	D	D	D	D	D	D	D	D	D	D	E	D
30	D	D	D	D	D	D	D	D	D	D	D	D
31	D	D	D	D	D	D	D	D	D	D	M	D

32	D	D	D	D	D	D	D	D	D	D	D	D
33	D	D	D	D	D	D	D	D	D	D	F	D
34	F	D	D	D	D	D	D	D	D	D	D	D
35	D	D	D	D	D	D	D	D	D	D	D	D
36a	D	D	D	D	D	D	D	D	D	D	M	D
36b	D	D	D	D	D	D	D	D	D	D	D	D

Block: Pipalapanka RF

Compt. No.	Species											
	Asan	Bandhan	Gambhar	Halanda	Jamun	Kashi	Kusum	M.Mundi	Piasal	S.Mai	Sal	Sisoo
1	D	D	D	D	D	D	D	D	D	D	D	D
2	D	D	D	D	D	D	F	D	D	D	G	D
3	D	D	D	D	D	D	F	D	D	D	D	D
4	D	D	D	D	D	D	D	D	D	D	D	D
5	D	D	D	D	D	D	D	D	D	D	D	D
6	D	D	D	D	D	D	D	D	D	D	D	D

Block: Raipada RF

Compt. No.	Species											
	Asan	Bandhan	Gambhar	Halanda	Jamun	Kashi	Kusum	M.Mundi	Piasal	S.Mai	Sal	Sisoo
1	D	D	D	D	D	D	D	D	D	D	F	D
2	D	D	D	D	D	D	D	D	D	D	D	D
3	D	D	D	D	D	D	D	D	D	D	G	D
4	D	D	D	D	D	D	D	D	D	D	D	D
5	D	D	D	D	D	D	D	D	D	D	D	D

Block: Dhaugam RF

Compt. No.	Species											
	Asan	Bandhan	Gambhar	Halanda	Jamun	Kashi	Kusum	M.Mundi	Piasal	S.Mai	Sal	Sisoo
1	D	D	D	D	D	D	D	D	D	D	E	D
2	D	D	D	D	D	D	D	D	D	D	M	D
3	D	D	D	D	D	D	D	D	D	D	F	D
4	D	D	D	D	D	D	D	D	D	D	D	D

Block: Mundapita RF

Compt. No.	Species											
	Asan	Bandhan	Gambhar	Halanda	Jamun	Kashi	Kusum	M.Mundi	Piasal	S.Mai	Sal	Sisoo
1	D	D	D	D	D	D	D	D	D	D	F	D
2	D	D	D	D	D	D	D	D	D	D	D	D
3	D	D	D	F	F	F	D	D	D	D	F	D
4	D	D	D	D	D	D	D	D	D	D	F	D

Block: Hukuma RF

Compt. No.	Species											
	Asan	Bandhan	Gambhar	Halanda	Jamun	Kashi	Kusum	M.Mundi	Piasal	S.Mai	Sal	Sisoo
1	D	D	D	D	D	D	D	D	D	D	M	D
2	F	D	D	D	D	D	D	D	D	D	F	D
3	D	D	D	D	D	D	D	D	D	D	G	D

Block: Bandhagochha RF

Compt. No.	Species											
	Asan	Bandhan	Gambhar	Halanda	Jamun	Kashi	Kusum	M.Mundi	Piasal	S.Mai	Sal	Sisoo
1	D	D	D	D	D	D	F	D	D	D	D	D
2	D	D	D	D	D	D	D	D	D	D	D	D

Block: Dhepaguda RF

Compt. No.	Species											
	Asan	Bandhan	Gambhar	Halanda	Jamun	Kashi	Kusum	M.Mundi	Piasal	S.Mai	Sal	Sisoo
1	D	D	D	D	D	D	D	D	D	D	D	D
2	D	D	D	D	D	D	D	D	D	D	E	D

Block: Dabuki RF

Compt. No.	Species											
	Asan	Bandhan	Gambhar	Halanda	Jamun	Kashi	Kusum	M.Mundi	Piasal	S.Mai	Sal	Sisoo
1	D	D	D	D	D	D	F	D	D	D	D	D

Block: Pankalgam RF

Compt. No.	Species											
	Asan	Bandhan	Gambhar	Halanda	Jamun	Kashi	Kusum	M.Mundi	Piasal	S.Mai	Sal	Sisoo
1	D	D	D	D	D	D	D	D	D	D	D	D

Table No. 2.3: Scoring for Regeneration of 12 species

Sl. No.	Score	Status	Symbol
1	0-50	Defficient	D
2	51-100	Fair	F
3	101-150	Moderate	M
4	151-200	Good	G
5	201-250 & above	Established	E

2.15.2 It is observed that regeneration of seedlings in the 1st year i.e. recruits are abundant but the intensity decreases as time progresses due to biotic interference like repeated annual ground fire, grazing, browsing and illicit removal of pole size crop for agricultural and household use. In fact valuable species like Gambhar, Sissoo, Kasi, Piasal, Kurum are unable to establish and being replaced by less valuable, xerophytic unbrowsable

species like Sidha, Karada, Dhaura, Barabakulia etc. However regeneration is satisfactory in some of the forest block namely Pandakhol, Pipalpanka etc. part from human induced factors very often some natural factors are also responsible for poor regeneration such as presence of poor soil depth and steep terrain. Poor regeneration status speaks unhealthiness of the forest as it would not remain sustainable in future with same richness and vigour of the tree growth.

However because of proper protection and management of forests under Joint Forest Management by involving the 177 no. of VSS in Ghumsur (South) Forest Division the degrading factors has been arrested to some extent during the previous plan and the result are promising for future.

2.16 BIODIVERSITY SURVEY:

2.16.1 Detail biodiversity survey work was done during preparation of P.K.Jha's Plan. No attempt has been made again do the same exercise as the crop condition does not change appreciably over a period of decade. However detail survey of NTFP species was done during 2011-12 and 2012-13 in all the five Ranges of Ghumsur South Division (Buguda, Aska and Polsara Range done by DFO himself and Sorada, Badagada and part of Aska Range done by WPO, Bhubaneswar). The consolidated findings are annexed in the Chapter-8 of Part-II. Further detail enumeration of species has been done in all the 900 sample points provided by ORSAC as described at para 2.15. The analysis reveals that there are 210 no. of trees species, 58 Nos. of herbs, 12 Nos. of grasses and 60 nos. of climbers as per the detailes furnished at **Table No. 2.4**. It is found that there is greater representation of various species but the distribution is skewed. Thus it may be concluded that the species "richness" is more but the "evenness" is much less in the forests of Ghumsur South Division.

Table No. 2.4: List of Species Found During Bio-Diversity Study

Sl.	Local Name	Scientific Name	Sl.	Local Name	Scientific Name
TREES & SHRUBS					
1	Acacia	<i>Acacia auriculiformis</i>	106	Kasi	<i>Bridelia retusa</i>
2	Achhu	<i>Morinda tinctoria</i>	107	Kasundi	<i>Casia sophora</i>
3	Achhundi	<i>Calycopteris floribunda</i>	108	Katakala	<i>Strychnos potatorum</i>
4	Adanga/Arguna	<i>Cycas circinalis</i>	109	Kataranga	<i>Gardenia latifolia</i>
5	Akan bindhi	<i>Cissampelos pareira</i>	110	Keheli	<i>Plesmonium margaritifera</i>

Sl.	Local Name	Scientific Name	Sl.	Local Name	Scientific Name
6	Amatha	<i>Bahunia malaborica</i>	111	Kendu	<i>Diospyros melanoxylon</i>
7	Amba	<i>Mangifera indica</i>	112	Kerenda koli	<i>Carissa carandas</i>
8	Ambada	<i>Spondius pinnata</i>	113	Khair	<i>Acacia catechu</i>
9	Amla	<i>Emblica officinalis</i>	114	Khajuri	<i>Phoenix sylvestris</i>
10	Ankaranti	<i>Solanum virginianum</i>	115	Khakada	<i>Casearia elliptica</i>
11	Anku koli	<i>Carissa spinarum</i>	116	Khalua/Bana lati	<i>Finlaysonia obovata</i>
12	Ankula	<i>Alangium salvifolium</i>	117	Kharkhari	<i>Clerodendrum indicum</i>
13	Anla	<i>Emblica officinalis</i>	118	Kochila	<i>Strychnos nuxvomica</i>
14	Apamaranga	<i>Achyranthes aspera</i>	119	Kodala	<i>Sterculia villosa</i>
15	Arakha	<i>Calotropis gigentia</i>	120	Koili khia	<i>Hygrophila auriculata</i>
16	Arguna	<i>Cycas circinalis</i>	121	Kolathia/Bana durlava	<i>Tephrosia purpurea</i>
17	Arjuna	<i>Terminalia arjuna</i>	122	Kotunga/Mirga	<i>Salvadora persica</i>
18	Asan/Sahaja	<i>Terminalia alata</i>	123	Krushna parni	<i>Desmodium heterocarpon</i>
19	Ashadhua	<i>Capparis zeylanica</i>	124	Kukurchhelia	<i>Pavetta crassicaulis</i>
20	Aswastha	<i>Ficus religiosa</i>	125	Kumbhi	<i>Careya arborea</i>
21	Atundi	<i>Combretum decandrum</i>	126	Kumbhirapitana	<i>Alstonia scholaris</i>
22	Babul	<i>Acacia nilotica</i>	127	Kurein/Kerunha	<i>Holarrhena antidysenterica</i>
23	Bada gila	<i>Entada rheedii</i>	128	Kuruma/Haland	<i>Haldinia cordifolia</i>
24	Bahada	<i>Terminalia belerica</i>	129	Kusuma	<i>Schleichera oleosa</i>
25	Bana khajuri	<i>Phoenix acaulis</i>	130	Lai langulia/beheda	<i>Celastrus paniculata</i>
26	Bandhana	<i>Desmodium oojeinensis</i>	131	Lankagaba	<i>Jatropha gossypifolia</i>
27	Bara	<i>Ficus benghalensis</i>	132	Lembura moi	<i>Bursera serrata</i>
28	Bara koli	<i>Ziziphus mauritiana</i>	133	Luhagunia/Luhabena	<i>Eragrostis nutans</i>
29	Barada	<i>Bauhinia purpurea</i>	134	Maha nima	<i>Melia azadirachata</i>
30	Barbakulia/Dhobi	<i>Delbergia paniculata</i>	135	Mahula	<i>Madhuca indica</i>
31	Bela	<i>Aegle marmelos</i>	136	Mai/Indramahi	<i>Lannea coromandelica</i>
32	Bhada bhadalia	<i>Olax scandens</i>	137	Majur godia	
33	Bhaincha koli	<i>Flacourtia jangomos</i>	138	Manda/Mukha	<i>Schrebera swietenoides</i>
34	Bhalia	<i>Semecarpus anacardium</i>	139	Mankada kendu	<i>Diospyros malabarica</i>
35	Genduli	<i>Sterculia urens</i>	140	Marda/Makari	<i>Millettia extensa</i>
36	Bheru	<i>Chloroxylon swietiana</i>	141	Mayura chulia	<i>Elephantopus scaber</i>
37	Bhrukundi	<i>Hymenodictyon orixense</i>	142	Mundi/Mitikinia	<i>Mitragyna parvifolia</i>
38	Bhurkundi	<i>Hymenodictyon orixense</i>	143	Mundika	<i>Walsura trifoliata</i>
39	Cashew nut	<i>Anacardium occidentale</i>	144	Mura/Modi modika	<i>Helicteres isora</i>
40	Chakunda	<i>Bauhinia semla</i>	145	Murga	<i>Sansevieria roxburghiana</i>
41	Chakundi	<i>Cassia siamea</i>	146	Mutha	<i>Cyperus rotundus</i>
42	Char	<i>Buchanania lanzan</i>	147	Muturi	<i>Smilax zeylanica</i>

Sl.	Local Name	Scientific Name	Sl.	Local Name	Scientific Name
43	Chauladhua	<i>Aerva sanguinolenta</i>	148	Nageri	<i>Lantana camara</i>
44	Chauli	<i>Cassine glauca</i>	149	Nahalbeli	<i>Cipadessa baccifera</i>
45	Chemeri barmul	<i>Hemidesmus indicus</i>	150	Narguni	<i>Atlantia malabarica</i>
46	Tunga alu	<i>Dioscorea aculeata</i>	151	Neem	<i>Azadirachta indica</i>
47	Chhelianthua	<i>Psychopria adenophylla</i>	152	Nila chara	<i>Indigofera tinctoria</i>
48	Chimeni	<i>Xylia xylocarpa</i>	153	Ninia	<i>Suaeda monoica</i>
49	Chireigudia	<i>Vitex leucoxylon</i>	154	Nirmuli	<i>Cuscuta reflexa</i>
50	Chireita	<i>Swertia chirayita</i>	155	Nunu nunia	<i>Antidesma acidum</i>
51	Dahidahia/Mushakani	<i>Cocculus hirsutus</i>	156	Paladhua/Manjari	<i>Erythrina variegata</i>
52	Dalsingha/Kurma	<i>Canthium dicoccum</i>	157	Palasa/Palsa	<i>Butea superba</i>
53	Dantari	<i>Acacia pennata</i>	158	Panairi/Panuari	<i>Artemisia nilagirica</i>
54	Danti	<i>Baliospermum montanum</i>	159	Panasa	<i>Artocarpus heterophyllus</i>
55	Dhaman	<i>Grewia tiliifolia</i>	160	Pani gambhari	<i>Trewia nudiflora</i>
56	Dhatuki	<i>Woodfordia fruticosa</i>	161	Panijamu	<i>Syzygium operculata</i>
57	Dhaura	<i>Anogeissus latifolia</i>	162	Paniri	<i>Aristolochia bracteata</i>
58	Dhobi	<i>Dalbergia paniculata</i>	163	Pasan vedi	<i>Polycarpaea aurea</i>
59	Dimiri	<i>Ficus racemosa</i>	164	Patuli	<i>Stereospermum chelonoides</i>
60	Enturidi	<i>Argyreia nervosa</i>	165	Paunji/Payal grass	<i>Saccharum spontaneum</i>
61	Eucalyptus	<i>Eucalyptus sps.</i>	166	Paunsia	<i>Aerva lanata</i>
62	Firika	<i>Benkare malaberica</i>	167	Phanphana	<i>Oroxylum indicum</i>
63	Gaba	<i>Ricinus communis</i>	168	Phasi	<i>Anogeissus acuminata</i>
64	Gambhari	<i>Gmelina arborea</i>	169	Piasal	<i>Pterocarpus marsupium</i>
65	Gandha palas	<i>Miliusa velutina</i>	170	Pita kerunha	<i>Holarrhena pubescens</i>
66	Gandhi/Gandhuri	<i>Chromolaena odorata</i>	171	Pitamasia/Pita alu	<i>Dioscorea wallichii</i>
67	Gangasiuli	<i>Nyctanthes arbortristis</i>	172	Pokasungha	<i>Ageratum conyzoides</i>
68	Gaurakasa	<i>Maytenus emarginatus</i>	173	Potam/Pita kanda	<i>Dioscoria bulbifera</i>
69	Genduli	<i>Sterculia urens</i>	174	Purnamari	<i>Carmona retusa</i>
70	Ghodalanjia	<i>Albizia chinensis</i>	175	Puruni	<i>Boerhavia diffusa</i>
71	Gilla	<i>Caesalpinia decapetala</i>	176	Rai	<i>Dillenia pentagyna</i>
72	Giridi	<i>Casearia graveolens</i>	177	Rakta khai	<i>Dracaena terniflora</i>
73	Giringa	<i>Pterospermum canescens</i>	178	Rakta pichali	<i>Gouania leptostachya</i>
74	Gohiria	<i>Acacia leucophloea</i>	179	Ramantari	<i>Smilax lancifolia</i>
75	Gopakanu/Dudhi	<i>Cryptolepis buehneri</i>	180	Rani dantakathi	<i>Flemingia chappar</i>
76	Gudamari/Putrani	<i>Pygmaeopremna herbacea</i>	181	Sagar batua	<i>Eugenia bracteata</i>
77	Guguchia	<i>Chrysopogon aciculatus</i>	182	Saguan	<i>Tectona grandis</i>
78	Halada/Kashi koli	<i>Diospyros montana</i>	183	Sahada	<i>Streblus asper</i>
79	Haldu	<i>Adina cordifolia</i>	184	Sahaja	<i>Terminalia tomentosa</i>
80	Harida	<i>Terminalia chebula</i>	185	Sajanapati	<i>Dalbergia lanceolaria</i>

Sl.	Local Name	Scientific Name	Sl.	Local Name	Scientific Name
81	Indramarish	<i>Acalypha indica</i>	186	Sal	<i>Shorea robusta</i>
82	Jalajali	<i>Stachytarpheta indica</i>	187	Salai	<i>Boswellia serrata</i>
83	Jambala/Kia	<i>Pandanus fascicularis</i>	188	Salara	<i>Catunaregam spinosa</i>
84	Jamun	<i>Syzigium cuminii</i>	189	Satabari	<i>Asparagus racemosus</i>
85	Jari	<i>Ficus infectoria</i>	190	Siali	<i>Bauhinia vahlii</i>
86	Jata jatia	<i>Pavonia repanda</i>	191	Sidha	<i>Lagerstroemia parviflora</i>
87	Jhadapana/Jhara champa	<i>Actinodaphne angustifolia</i>	192	Siju (Tikanta)	<i>Euphorbia antiquorum</i>
88	Jhumpuri	<i>Phyllochlamys spinosa</i>	193	Simili/Simul	<i>Bombax ceiba</i>
89	Joain (Madhura)	<i>Carum copticum</i>	194	Sinkula	<i>Heteropogon contortus</i>
90	Kaitha	<i>Feronia limonia</i>	195	Sirisa/Tentela	<i>Albizia procera</i>
91	Kaju/Lanka bhalia	<i>Anacardium occidentale</i>	196	Sisoo	<i>Dalbergia sisoo</i>
92	Kalabati	<i>Anamirta cocculus</i>	197	Soam/Rohini	<i>Soymida fabrifuga</i>
93	Kalchua	<i>Glochidion zeylanicum</i>	198	Suna khadika	<i>Sida acuta</i>
94	Kamala gundi	<i>Mallotus philippensis</i>	199	Sunari	<i>Cassia fistula</i>
95	Kandhia/karuna	<i>Citrus aurantium</i>	200	Talamuli	<i>Curculigo orchioides</i>
96	Kanja kanjia	<i>Cayratia auriculata</i>	201	Tapta khanda	
97	Kansa	<i>Hymenictyon excellsum</i>	202	Teak	<i>Tectona grandish</i>
98	Kanta baula/Gotha	<i>Ziziphus xylopyrus</i>	203	Telakoruanha	<i>Ixora pavetta</i>
99	Kanta malli/Kula	<i>Ventilago denticulata</i>	204	Tentala	<i>Albizzia odoratissima</i>
100	Kapasia	<i>Kydia calycina</i>	205	Tentera	<i>Albizzia odoratissima</i>
101	Karada	<i>Cleistanthus collinus</i>	206	Tentuli	<i>Tamarindus indica</i>
102	Karakendu	<i>Diospyros malaberica</i>	207	Thenta kusum	
103	Karamanga	<i>Averrhoa carambola</i>	208	Tinia	<i>Albizia odoratissima</i>
104	Karanja	<i>Pongamia pinnata</i>	209	Tundapoda	<i>Toddalia asiatica</i>
105	Kasa alu	<i>Dioscorea puber</i>	210	Udambari	<i>Ficus amplissima</i>
SL	Local Name	Scientific Name	SL	Local Name	Scientific Name
HERBS					
1	Ankaranti	<i>Solanum virginianum</i>	30	Kansiri lata	<i>Ipomea biloba</i>
2	Apamaranga	<i>Achyranthes aspera</i>	31	Kasundi	<i>Casia sophera</i>
3	Badiamla		32	Bhuin dimiri	<i>Ficus heterophylla</i>
4	Balichanda	<i>Symphorema polyandrum</i>	33	Khadika phula	<i>Ixora coccinea</i>
5	Bana bana		34	Khirakoli	#N/A
6	Bana bhendi	<i>Abelmoschus moschatus</i>	35	Koili khia	<i>Hygrophila auriculata</i>
7	Bana haladi	<i>Curcuma aromatica</i>	36	Kolathia/Bana durlava	<i>Tephrosia purpurea</i>
8	Bana harada/Kandul	<i>Cajanus cajan</i>	37	Krushna parni	<i>Desmodium heterocarpon</i>
9	Bana piaja	<i>Urginea indica</i>	38	Lajakuli	<i>Mimosa pudica</i>
10	Bana sorisa	<i>Cleome viscosa</i>	39	Madan mostok	<i>Hybanthus</i>

Sl.	Local Name	Scientific Name	Sl.	Local Name	Scientific Name
					<i>emeasfermus</i>
11	Bana tulasi	<i>Ocimum canum</i>	40	Makhmalli	<i>Tagetes erecta</i>
12	Bari anla	<i>Phyllanthus fraternus</i>	41	Mandakparni	<i>Centella asiatica</i>
13	Bena	<i>Vetiveria zizanioides</i>	42	Mayura chulia	<i>Elephantopus scaber</i>
14	Bhuin chana	<i>Arachis hypogea</i>	43	Murga	<i>Sansevieria roxburghiana</i>
15	Bhuin nima	<i>Andrographis paniculata</i>	44	Mutha	<i>Cyperus rotundus</i>
16	Bisalya karani	<i>Tridax procumbens</i>	45	Nila chara	<i>Indigofera tinctoria</i>
17	Bishiripi	<i>Sida cordifolia</i>	46	Ninia	<i>Suaeda monoica</i>
18	Chhelianthua	<i>Psychopria adenophylla</i>	47	Pasan vedi	<i>Polycarpaea aurea</i>
19	Chireita	<i>Swertia chirayita</i>	48	Paunsia	<i>Aerva lanata</i>
20	Danti	<i>Baliospermum montanum</i>	49	Pokasungha	<i>Ageratum conyzoides</i>
21	Fulajhadu	<i>Thysanolaena maxima</i>	50	Purnamari	<i>Carmona retusa</i>
22	Gaba	<i>Ricinus communis</i>	51	Puruni	<i>Boerhavia diffusa</i>
23	Gaigendalia	<i>Costus speciosus</i>	52	Rakta khai	<i>Dracaena terniflora</i>
24	Gaigobara	#N/A	53	Sinkula	<i>Heteropogon contortus</i>
25	Gandhi/Gandhuri	<i>Chromolaena odorata</i>	54	Suna khadika	<i>Sida acuta</i>
26	Gudamari/Putrani	<i>Pygmaeopremna herbacea</i>	55	Talamuli	<i>Curculigo orchioides</i>
27	Guguchia	<i>Chrysopogon aciculatus</i>	56	Tapta khanda	
28	Jalajali	<i>Stachytarpheta indica</i>	57	Thalkudi	
29	Jata jatia	<i>Pavonia repanda</i>	58	Tundapoda	<i>Toddalia asiatica</i>

SL	Local Name	Scientific Name	SL	Local Name	Scientific Name
CLIMBERS					
1	Achhundi	<i>Calycopteris floribunda</i>	31	Kasa alu	<i>Dioscorea puber</i>
2	Akan bindhi	<i>Cissampelos pareira</i>	32	Kerenda koli	<i>Carissa carandas</i>
3	Ashadhua	<i>Capparis zeylanica</i>	33	Khalua/Bana lati	<i>Finlaysonia obovata</i>
4	Atundi	<i>Combretum decandrum</i>	34	Kusmanda	<i>Benincasa hispida</i>
5	Bada gila	<i>Entada rheedii</i>	35	Laha kolathia	
6	Baidhanka	<i>Mucuna pruriens</i>	36	Lai langulia/beheda	<i>Celastrus paniculata</i>
7	Bana alu/Karaba	<i>Dioscorea pentaphylla</i>	37	Lajakuli	<i>Mimosa pudica</i>
8	Bana malli	<i>Hiptage benghalensis</i>	38	Luhagunia/Luhabena	<i>Eragrostis nutans</i>
9	Banakolatha		39	Marda/Makari	<i>Millettia extensa</i>
10	Bhada bhadalia	<i>Olax scandens</i>	40	Musakani	
11	Bichhuati	<i>Tragia involucrata</i>	41	Muturi	<i>Smilax zeylanica</i>
12	Bidhunka		42	Nirmuli	<i>Cuscuta reflexa</i>
13	Chemeri barmul/Anantamula	<i>Hemidesmus indicus</i>	43	Palasa lai	
14	Cheranga/Tunga alu	<i>Dioscorea aculeata</i>	44	Palasa/Palsa	<i>Butea superba</i>

Sl.	Local Name	Scientific Name	Sl.	Local Name	Scientific Name
15	Dahidahia/Mushakani	<i>Cocculus hirsutus</i>	45	Panairi	<i>Artemisia nilagirica</i>
16	Dantari	<i>Acacia pennata</i>	46	Pani alu/Pithala	<i>Dioscorea oppositifolia</i>
17	Danti	<i>Baliospermum montanum</i>	47	Paniri	<i>Aristolochia bracteata</i>
18	Dudhilo		48	Paunsia	<i>Aerva lanata</i>
19	Enturidi/Brudha taraka	<i>Argyreia nervosa</i>	49	Pinguli	
20	Gilla	<i>Caesalpinia decapetala</i>	50	Pitamasia/Pita alu	<i>Dioscorea wallichii</i>
21	Gopakanu/Dudhi	<i>Cryptolepis buehneri</i>	51	Pittal	
22	Indramarish	<i>Acalypha indica</i>	52	Potam/Pita kanda	<i>Dioscorea bulbifera</i>
23	Kaincha	<i>Abrus precatorius</i>	53	Rakta khai	<i>Dracaena terniflora</i>
24	Kalabati	<i>Anamirta cocculus</i>	54	Rakta pichali	<i>Gouania leptostachya</i>
25	Kanja kanjia	<i>Cayratia auriculata</i>	55	Rani dantakathi	<i>Flemingia chappar</i>
26	Kanjia loi	<i>Ampelocissus latifolia</i>	56	Satabari	<i>Asparagus racemosus</i>
27	Kankada	<i>Momordica dioica</i>	57	Siali	<i>Bauhinia vahlii</i>
28	Kanta alu	<i>Dioscorea glabra</i>	58	Suam loi	<i>Ichnocarpus frutescens</i>
29	Kanta malli/Kula	<i>Ventilago denticulata</i>	59	Sugandhi	
30	Karada	<i>Cleistanthus collinus</i>	60	Tihudi	<i>Operculina turpethum</i>

SL	Local Name	Scientific Name	SL	Local Name	Scientific Name
GRASSES					
1	Sabai grass		7	Khadi grass (sinkulia)	
2	Chhana grass	<i>Imperata cylindrica</i>	8	Paunji/Payal grass	<i>Saccharum spontaneum</i>
3	Duba grass	<i>Cynodon dactylon</i>	9	Kusa grass	<i>Desmostachya bipinnata</i>
4	Juna grass	<i>Crotalaria juncea</i>	10	Tanda grass	
5	Kakudia grass	<i>Dactyloctenium aegyptium</i>	11	Srigunthia	
6	Khadika grass	<i>Aristida setacea</i>	12	Bamboo grass	

ABSTRACT OF SPECIES
(Ghumsur South Forest Division)

NO OF TREES:	210
NO OF HERBS:	58
NO OF CLIMBERS:	60
NO OF GRASSES:	12
TOTAL NO OF SPECIES:	340

2.17 INJURIES TO WHICH THE CROP IS LIABLE

2.17.1 The forests of Ghumsur (South) Division are vulnerable to injuries both due to biotic and abiotic factors. Factors responsible for degradation like Anthropogenic, Animals, Insects, climbers, weeds etc are biotic in nature whereas factors like Forest fire, natural calamities like drought, etc are abiotic. Out of all these it is the anthropogenic factor which is primarily responsible for damage of the forests. All these factors are described below.

Illicit felling

2.17.2 Exploding human population is the main cause of degradation of forest resources. The forests of this division being the provenance for 35.20 lakh of population of the Ganjam District having population density of 1117.54 persons per square km of forests with their dependence on the agriculture meets their day to date requirement not only for household requirements such as timber, poles, bamboo, firewood etc. but also for the large cattle population of 1334172 (11 based on the 17th Quinquennial Livestock Census 2003 of Ganjam District) details of which is produced at Table No 3.11. Human agency is responsible for the illicit fellings, uncontrolled grazing, encroachment, lopping, fodder etc. This large gap is met from the forest. Rural poor, most particularly, womenfolk earn their livelihood by selling the firewood fetched from forests. This has resulted in the removal of even pole crops from the degraded forests and sound trees from the good forests. Since this division is adjacent to developing urban areas and small cities like Berhampur, Bhanjanagar, Aska, Digapahandi, Khalikote, Sorada , Buguda, Hinjilikatu, Purusottampur etc. the good forests of this division is being depleted due to heavy demand of timber in these fast developing urban areas. The demand for agricultural implements, small timbers for household requirements and firewood are increasing day-by-day.

2.17.3 The Division administration makes all out efforts to control illicit felling. Large numbers of offence cases have been initiated against culprits. The vehicles involved in the commission of offence are also being seized which has a good impact in reducing the illicit removal of timber through vehicle. Apart from the own protection by the field staff of the Division different squads have been formed under IPCEA, 13th F.C.Grant, fire prevention squad etc. reinforce the protection work . Areas where the VSS are active and doing forest protection themselves have yielded good result. The details of forest offences cases registered

for the financial year 2013-14 and disposal of seized produce till the third quarter of 2013-14 are given in **APPENDIX – X(A)** and **APPENDIX – X(B)** respectively.

2.17.4 Illicit felling of trees for the purpose of timber is the most important factor responsible for the degradation of the well - stocked forests. This results in the selective removal of valuable timber species of higher girth class like *Shorea robusta*, *Pterocarpus marsupium*, *Dalbergia latifolia*, *Adina cordifolia* and others. The huge demand for these species leads to the felling of these species even at their immature stage. The timber supplied by the OFDC does not match to the demand.

2.17.5 Pernicious practice such as shifting cultivation and encroachment are two other activities of human agency, which contribute substantially to degradation of forests. The shifting cultivation is practiced by the tribal population. The practice of shifting cultivation is high because of lack of awareness and infrastructural facilities rather than the need. The incidence of shifting cultivation is restricted to few forest blocks like Badagada - A, Badagada - B, Badagada - C, Dabuki and Pipalapanka. The eviction of encroachers is impossible on account of inadvertent situations. The Government of Orissa had decided to regularize all the pre 1980 encroachments as one time affair by allowing the encroachers to be permanent settlers. Besides after the coming in to the force of the Schedule Tribe and other Traditional Forest Dwellers (Recognition of Forest Right Act, 2006) about 5000 Ha. of forest land has been sacrificed by way of conferring forest right on the encroachers as on February'2014.

2.17.6 The recent cyclone “Phailin” has severely affected forest crop in October'2013. Many trees were uprooted both in Forest as well as outside forest area causing large scale destruction.

Forest fire

2.17.7 Ground fire is common in some of the forest blocks of Sorada, Buguda ranges and Pandripada forest block. The forests of the division are deciduous in nature and so large amount of leaf litter is accumulated due to leaf fall in the post spring season which gets burned two to three times between March and June until onset of monsoon. The fire is rarely natural and mainly caused due to accident, intentional burning and ignorance. The tribals set fire to the forest for the collection of minor forest produce. Sometimes, the forest fire is

caused by the primary collectors of kendu leaves to harvest the fresh new leaves or to clean the floor for collection of mohua flower, sal seed and other NTFPs. Some people dwelling in the foot hills of the forest also set fire to the forest, to get the ashes for their field which serves as good manure. The system of burning dead and fallen timber to prepare charcoal also leads to forest fire. Most of the forest fires are induced by men who are instrumental to ground fire. The most affected blocks are those being covered in Selection working Circle. Forest fires have disastrous effects. Regeneration of seedlings is seriously and adversely affected. The effect is the maximum on sal regeneration. Fire degrades the forests for which soil fertility is lost and soil erosion is accelerated. In area of repeated fires timber quality is reduced by development of hollowness and deterioration. Bamboo clumps are devastated extensively in bamboo forest. The soil nutrient status is greatly affected as fire destroys the organic matters as well as micro fauna in the soil. Repeated fire in the Dry Deciduous Forests causes retrogression of the vegetation towards a more xerophytic condition, for which the entire eco-system is imbalanced.

Methodology

2.17.8 The satellite of sensors MODIS, detect active fire based on brightness temperature levels recorded in short wave and thermal I.R wavelength bands. The MODIS satellite data are supplied to the F&E Department through FSI on daily basis and these data are monitored in the fire prevention cell created in the PCCF office. Accordingly all such data along with its location with latitude and longitude are made available to the DFOs for ground verification and control. As per the 13 F.C. Grant huge funds are allocated for fire prevention. Fire fighting squads have been formed in each Forest Division and they have been provide with vehicle for mobility and manpower along with equipments to put out fire. The tribals and other forest dwellers have been empowered to protect the forest from fire hazard and help the forest department staff in this endeavour

Location of Forest fire in the Division during the financial years 2009-10, 2010-11, 2011-12 and 2012-13 are furnished at **Table No. 2.5.**

Table No 2.5: Location of Forest fire in the Division during the financial years 2009-10, 2010-11, 2011-12 and 2012-13

Year	Name of the Range	Location of Fire	Description of Forest	Date	Type of fire	Area affected by fire in ac.	Action taken to control the fire
2009-10	Sorada		Pandakhhol RF		Ground fire	2.22 ha.	Fire was extinguished with the help of Fr, FG & ASS squad
	Polosara		Pandripada RL			40.48 ha.	
	Buguda		Kriamba RF			6.47 ha.	
	-do-		Kadapada RF			1.03 ha.	
2010-11	Surada	19 ⁰ .46' 12" N 84 ⁰ .14'.06" E	Pandakhhol RF C/15 Miscellaneous Forest	05.04.2010	Low intensity, ground leaf burning only	½ Ac.	Fire was extinguished with the help of Fr, FG & ASS squad
		19 ⁰ .44'.24" N 84 ⁰ .13'.15" E	Pandakhhol RF C/29(a) Miscellaneous Forest (Sal without Bamboo)	-do-		1 Ac.	
		19 ⁰ .44'.20" N 84 ⁰ .12'.39" E	Near Pandakhhol RF C/29(a) & village Nakidima, out RF	-do-		½ Ac.	Fire was extinguished by the villager
		19 ⁰ .43'.51" N 84 ⁰ .13'.22" E	Near the Nandapur village, out side of Reserve Forest.	-do-		½ Ac.	
		19 ⁰ .45'.25" N 84 ⁰ .13'.15" E	Pandakhhol RF C/29(a) Miscellaneous Forest (Sal without Bamboo)	06.04.2010		1 Ac.	Fire was extinguished with the help of Fr, FG & ASS squad
		19 ⁰ .48'.33" N 84 ⁰ .12'.28" E	Pandakhhol RF C/13 Miscellaneous Forest	07.04.2010		1 Ac.	
		19 ⁰ .45'.54 "N 84 ⁰ .08'.52" E	Pandakhhol RF C/25Miscellaneous Forest (without Sal & with Bamboo	12.04.2010		½ Ac.	
		19 ⁰ .47'.02" N 84 ⁰ .09'.57" E	Pandakhhol RF C/23 (Miscellaneous Forest)	13.04.2010		½ Ac.	
2010-11	Polosara	18 ⁰ .48'.36" N 84 ⁰ .55'.40" E	KhumulaComp-2, pandripada RL Bamboo coupe-A Semi evergreen forest,	20.04.2010	100 Acre area effected by fire (man made),	100 Ac.	Fire was extinguished with the help of R.O. FG

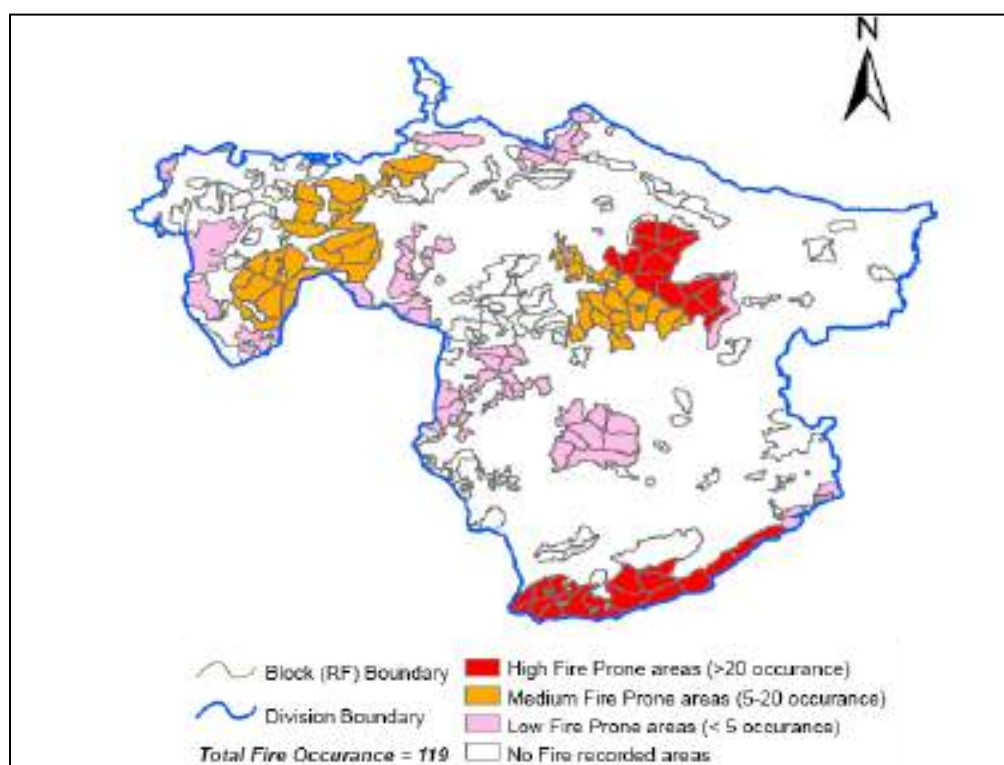
Year	Name of the Range	Location of Fire	Description of Forest	Date	Type of fire	Area affected by fire in ac.	Action taken to control the fire
			dominated by Bamboo		normal fire		& ASS squad
	Buguda	19 ⁰ .51'.07" N 84 ⁰ .54'.57" E	Kriamba RF, Comp. No 6b near Sankhanala Moist deciduous/ Semi ever green Sal & Misc. Pole crop	12.04.2010	Ground fire duration one hour fire caused by local villagers	5 Ac.	Fire was extinguished with the help of Fr, FG & ASS squad
		19 ⁰ .54'.14" N 84 ⁰ .45'.54" E	Kadapada RF comp. No-1 near Kadapada Village Semi ever green forest pre-dominated with Piasal & Bamboo	10.04.2010	Ground fire duration one hour fire caused by cowboys	2.5 Ac.	
		19 ⁰ .50'.02" N 84 ⁰ .52'.22" E	Kriamba RF comp. No.9 near Talasara Moist deciduous Sal & Misc. Pole crop	05.04.2010	Ground fire duration ½ an hour fire caused by local by-passer	5 Ac.	
		19 ⁰ .48'.07" N 84 ⁰ .54'.25" E	Kriamba RF comp. No. 7 near Athagarh square Moist deciduous Misc. Pole & Bamboo crop	05.04.2010	Ground fire duration ½ an hour fire caused by local by-passer	6 Ac.	
2011-12	Aska		Badagada 'C' UDPF	27.03.2011	Ground Fire	2 ha.	Fire was extinguished with the help of local people and forest staff
	Badagada		-do-	-do-	-do-	2 ha.	
	Aska		-do-	01.04.2011	-do-	3 ha.	
	Badagada		Badagada	31.03.2011	-do-	3 ha	
2011-12	Badagada		-do-	01.04.2011	Ground Fire	2 ha.	Fire was extinguished with the help of local
	-do-		-do-	-do-	-do-	3 ha.	
	-do-		Goudagotha Badagada	13.04.2011	-do-	2 ha.	

Year	Name of the Range	Location of Fire	Description of Forest	Date	Type of fire	Area affected by fire in ac.	Action taken to control the fire
	-do-		-do-	13.05.2011	-do-	3 ha.	people and forest staff
	Sorada		Pandakhol RF Compt No. 18	13.05.2011	-do-	3 ha.	
	Aska		Badagada ‘C’ UDPF	11.04.2011	-do-	3 ha.	
	-do-		-do-	01.05.2011	-do-	4 ha.	
2012-13	Buguda		Kriamba RF Comp No. 7	6.3.2012	-do-	4ha.	
			Kriamba RF Comp No. 2	6.3.2012	-do-	3 ha.	
	Badagada		Near sanagochha	7.3.2012	-do-	7 ha.	Extinguished by natural barrier
	Near Jhilimili		7.3.2012	-do-	5 ha.	Extinguished by Lengama VSS	
	Near Lokapanka		29.02.2012	-do-	3 ha.	Extinguished the fire by Dumulla VSS	
	Near Jamajori		-do-	-do-	12 ha.	Extinguished the fire by natural footpath	
	Near Souragan		-do-	-do-	7 ha.		
	Near sarapalli		-do-	-do-	20 ha.		
	Near gunjuli		-do-	-do-	3 ha.		
	Near Maniakathi		03.03.2012	-do-	25 ha.		
	Kurubandha		-do-	-do-	20 ha.	Extinguished the fire by natural rain	
	-do-		-do-	-do-	10 ha.		
	Laharagan		-do-	-do-	5 ha.		
					Ballipadar	30.03.2012	-do-
2012-13	Badagada		Souragan	-do-	Ground Fire	10 ha.	Extinguished by natural barrier
			Ballipadar	25.03.2012	-do-	6 ha.	-do-

Year	Name of the Range	Location of Fire	Description of Forest	Date	Type of fire	Area affected by fire in ac.	Action taken to control the fire
			Ranapalli	23.03.2012	-do-	2 ha.	Extinguished the fire by natural footpath
			Gunjali	-do-	-do-	2 ha.	
			Ranapalli	-do-	-do-	2 ha.	
			kurubandha	-do-	-do-	3 ha.	
	Sorada		Pandakhhol RF C/17 & 18	7.3.2012	-do-	1.011 ha.	Fire was extinguished with the help of Fr, FG & ASS squad
			Pandakhhol RF C/29	-do-	-do-	0.607ha.	
			Pandakhhol RF C/22	-do-	-do-	1.011ha.	
			Pandakhhol RF C/23	8.3.2012	-do-	1.214ha.	
	Buguda		Karachuli ‘A’ RF	29.02.2012	-do-	2 ha.	Fire was extinguished with the help of local people, forest staff, para forest
			-do-	-do-	-do-	1 ha.	
			Kriamba RF compt no. 2	-do-	-do-	2 ha.	
			-do-	-do-	-do-	2 ha.	
			-do-	-do-	-do-	1.5 ha.	
	Polosara		Pandripada RL	29.02.2012	-do-	6 ha.	Open a fire line by way of sweeping the area to arrest the forest fire
			-do-	18.03.2012	-do-	1 ha.	
	Sorada		Pandakhhol RF c/6	3.3.2012	-do-	1.034 ha.	Fire was extinguished with the help of Fr, FG & ASS squad
Pandakhhol RF c/16		5.3.2012		0.808 ha.			
2012-13	Polosara		Pandripada RL	06.3.2012	Ground Fire	6 ha.	Open a fire line by way of sweeping the area to arrest the forest fire
	Sorada		Pandakhhol RF c/11	2.3.2012	-do-	0.607 ha.	Fire was

Year	Name of the Range	Location of Fire	Description of Forest	Date	Type of fire	Area affected by fire in ac.	Action taken to control the fire
			Pandakhol RF c/34	-do-	-do-	0.404 ha.	extinguished with the help of Fr, FG & ASS squad
			Pandakhol RF c/33	-do-	-do-	0.808 ha.	
	Polosara		Pandripada RL	29.2.2012	-do-	60 ha.	Open a fire line by way of sweeping the area to arrest the forest fire

Fig No 2.1: Fire vulnerability in Ghumsur (South) Division (2006)



Tackling of forest Fire

2.17.9 As per the 13 F.C. Grant huge funds are allocated for fire prevention. Fire fighting squads have been formed in each Forest Division and they have been provide with vehicle for mobility and manpower along with equipments to put out fire.. Fire is generally put off by beating with green branches. Now even villagers and forest dwellers who derive substantial benefit from forests, willingly don't co-operate with forest officials for fire fighting. The allotments under central plan schemes of "Modern Forest Fire Control" and "Integrated Forest Protection Scheme" in recent past contributed towards the cause of fire protection. The Fire Protection Rule made under OF Act 1972 provide for institutional support to tackle this menace and even bind the local people to assist forest staff to fight forest fires. This has been reinforced under the Forest Right Act, 2006. but the implementation is far from satisfactory. Hardly any offence case has been booked for setting fire to the forest in the division. Annual expenditure on fire during the period 2001-02 to 2012-13 in Ghumsur (South) Forest Division is furnished above in **Table No. 2.6**. It may be seen that fund allocation for fire prevention has increased many fold since 2011-12.

Table No 2.6: **Annual expenditure on forest fire during the period 01-02 to 12-13**

Year	Fire Prevention	Year	Fire Prevention
2001 – 02	24000	B.F.	339170
2002 – 03	30000	2007 – 08	25000
2003 – 04	40000	2008 – 09	30000
2004 – 05	94170	2009 – 10	125000
2005 – 06	121000	2010 – 11	28000
2006 – 07	30000	2011 – 12	110000
C.O.	339170	2012 – 13	956000
		Total	1613170
Source : Divisional Forest Officer, Ghumsur (South) Division.			

Grazing

2.17.10 The large population of domestic animals (cattle, cow, buffalo, sheep and goat) of Ganjam District stands at 1334172 (based on the 17th Quinquennial Livestock Census 2003 of Ganjam District) details of which is produced at Table No 3.1 which can be compared with the human population of 35,20,151 as per the 2011 census. This means the number of domestic animals per capita is 0.379. The huge number of animals depends on the forests for grazing. The concept of stall feeding is lacking and restricted only to cross breed animals, population of which is very scare. The usual practice followed in Ganjam District is mass grazing. All the cows and buffaloes of one or two villages are collected together and taken for grazing into the forest by professional herdsman. The animals are taken in the morning to the forest and brought back in the afternoon.

Lopping of branches of standing trees

2.17.11 Lopping of branches of standing trees are common in lean period particularly during summer when grazing material in the ground becomes scarce. Lopping is resorted by grazers to open canopy to facilitate growth of grass. This has adverse effect on regeneration. Young recruits and saplings are damaged due to unregulated and concentrated grazing beyond the carrying capacity of forests. The Orissa Forest (Grazing of cattle) Rules 1980 has been enacted which is in force. However, its implementation is not at all satisfactory. Unauthorized grazing is rampant but no offence case for such acts has been booked. Even regeneration areas are not closed to grazing. The forests tended under Rehabilitation of Degraded Forests Schemes are also subjected to heavy grazing. Stringent

measures are needed to control grazing with encouragements for stall feeding including growing edible grass in agro fields involving the co-operation of Veterinary Department.

2.17.12 Grazing causes irreparable harm to the young seedlings. The goat causes the harm by eating even the unpalatable and thorny species. The ground becomes hard because of trampling and is detrimental to the regeneration. Repeated and serious lopping of fodder trees is also done by the villagers. Grazing acts as the catalyst in the rate of degradation of the forests. No grazing fee has been collected during the last plan period. The grazing fee realized in the past and reported in the outgoing plan is presented at **Table No. 2.7**. The practice of grazing inside the forest has been legalized, as it is evident from the aforementioned table. This practice needs to be discontinued in the interest of forests.

Table No. 2.7: **Grazing fees realized in the Division**

YEAR	REVENUE	YEAR	REVENUE
1970 - 71	1412		
1971 - 72	1390	1985 - 86	1600
1972 - 73	850	1986 - 87	1029
1973 - 74	876	1987 - 88	457
1974 - 75	--	1988 - 89	1273
1975 - 76	987	1989 - 90	1483
1976 - 77	1221	1990 - 91	3530
1977 - 78	1020	1991 - 92	1580
1978 - 79	1140	1992 - 93	1064
1979 - 80	955	1993 - 94	1457
1980 - 81	10,968	1994 - 95	801
1981 - 82	3703	1995 - 96	NIL
1982 - 83	3433	1996 - 97	NIL
1983 - 84	4392	1997 - 98	NIL
1984 - 85	1879	1998 – 99 to 2012-13	NIL
Source : Divisional Forest Officer, Ghumsur (South) Division.			

Draught

2.17.13 Drought is not a continuous or a serious problem. Periodic effect of drought on the forests exists in the years of drought which is not frequent.

Climbers and weeds

2.17.14 The most common climbers found in this Division are Atundi, Siali, Naipalas and Muturi etc, which are abundant in moist localities and cause, extensive damage to the

Forest. Buduli, Manda and gila are also other climbers causing relatively less damage. Unsoundness of trees, damage of the growth of the young seedlings due to restrictions of growth are common effects from the climbers to the growing stock of the tree species. Common climbers also cause forking and mal formations of the stem in old plantations. A list of common climbers is furnished below:

Bauhinia vahlii (Siali)
Butea superba (Palas lai)
Butea parviflora (Marada)
Miletia auriculata
Smilax macrophylla (Muturi)
Combretum decandrum (Atundi)
Acacia pinnata (Dantari)
Dioscorea bulbifera
Ichnocarpus frutescens (Suam lai)

Weeds chokes the establishment of regeneration of valuable young plants due to competition for food and light. Eupatorium and lantana are common weeds, though they are not a serious problem in this division still then their eradication is essential for the plain forests.

2.18 DISEASES CAUSED BY FUNGUS AND PARASITES

2.18.1 The disease like dry rot is a fungal disease causing damage to the heart wood of sal and other trees, defoliators damage to the leaves of the trees by eating away the chlorophyll pigments in Teak and other trees, loranthus which is a parasite causing diseases in different trees. Many fungi and parasitic plants have been found to affect the forest crop adversely. Loranthus attacks Sal, Piasal, Kusum etc, poles and cause unsoundness of host tree. It is also seen in Chara and Mahula trees and also in top of old Teak plantations in sporadic manner. The fungi which attack the forest species, are as follows.

2.18.2 ***Polyporous shoreae***:- It is responsible for root and collar rot. The sporophore occurs a few inches above the ground level. It appears as a dark brown 'bracket'. The wood has partridge speckled appearance. The Sal tree die off in an over widening ring. These trees are very much prone to storm damage.

Control measures : Very moist Sal forests are prone to the danger of infection and spread of this fungus. Hence, controlled burning is recommended as this reduces the soil moisture.

2.18.3 ***Fomes caryophylli* :-** It is responsible for heart rot of Sal. In the early stages, the heart wood is stained slightly dark to brown. The decayed wood alternates with the sound wood in the form of concentrated rings when the attack is moderate. In the advanced stages, the decayed wood becomes spongy and the fungus moves through the sound sapwood into the bark in the form of punk knots. The bark in the region of the eye is gradually shed off. It is locally known as ‘Sambar akhie’ because of their resemblance with the eyes of sambar deer. The outer manifestations of heart rot are presence of branch stubs, knots on the stem and development of epicormic branches. This disease occurs in Pondakhhol and Kriamba forest blocks.

Control measures: The control measures for heart rot is aimed at reducing and minimizing the number of infection counts, particularly wounds on trees. Deformed, injured, crooked, diseased and dead trees should be removed from the stands. Suppressed trees should be removed as these trees afford greater chances of infection. Damaged trees during main felling should be removed. Very moist Sal forests prone to rot should be regularly subjected to control burning.

2.18.4 ***Hymenochaete rubiginosa* :-** It causes pocket rot in the heart wood. The tissues within the affected pockets become white and fibrous surrounded by the brown wood. The external manifestation is the presence of sporophores in tiers one above the other in the close clusters on the stem of the affected trees. This disease is present in the Moist Sal forests of Pondakhhol.

Control measures: The control measure is same as that of heart rot of Sal.

2.18.5 ***Formes fastuosus*:-** It causes heart rot of Sal in the butt region. In the early stages, the heartwood shows dark brown stains in patches, which develop into small pockets. In the advanced stage, these pockets are filled up with white decayed fibre that disintegrates in later stages when these pockets appear empty and brown. The external manifestation is the presence of light brown reflexed sporophores near the base of the affected trees. This disease is found in Pondakhhol forest block.

Control measures: The control measure is same as that of heart rot of Sal

2.18.6 **Insects:-** *Hoplocerambyx spinicornis* is commonly called as Sal heartwood borer, a cerambycid beetle. It passes through an annual life cycle and the beetle emerges in the early part of the monsoon. The larva bores under the bark and then enters the heartwood and constructs a deeply seated pupal chamber in which it spends the cold weather and the first six months of the following year. The larva may grow to a length of about three inches boring tunnels of a diameter of one inch. The wood is completely riddled and rendered useless. This is seen in Pandripada and Kriamba forest blocks.

Control measures: The preventive measures to forestall the attack of the insect include: not allowing the trees to become too dense, particularly in older crops, regular thinnings before the rotation age; not allowing unsoundness to develop in trees by removing diseased, unhealthy and weak trees in thinnings and fellings; and carrying out fellings outside the emergence period of the beetles so that the immature stages in felled areas are destroyed. Trees uprooted by storms and killed or seriously weakened by drought or fire should be felled and extracted without delay. The bark from left over material of the felling coupe should be removed at once, so that there is no breeding ground left for the insect. Proper watch should be kept in the forest for infested trees, which have ejected dust heaps at their base and excessive flow of resin at the point of first larval entry. Another symptom of infestation is the dying off from the crown downwards by sudden withering of the foliage in the autumn or spring. All the infested trees must be immediately disposed off.

2.19 **INSECTS AND BORERS**

2.19.1 Damages due to borers, defoliator's skeletonizers and termite are of quite common occurrence in Teak Plantations and inferior Quality Sal Forest. Some of the harmful insects are:-

(i) *Hoplocerambyx spinicornis*:-

This is a Sal heartwood borer and attacks unbarked log of Sal particularly during rains. It also attacks sal trees growing in poor dry type of forests. The larvae forms tunnels in the heartwood of Sal and cause noticeable damages. Other insects attacking dead and fallen Sal trees are *Aeolesthes holosericea* and *Xyleborus*, known as Lenticel beetle and pinhole borers are seen in stacked timbers.

(ii) *Hapalia machaeralis*:-

This is the teak skeletonizer and causes damage to teak leaves. This attack is more during months of September and October. This causes teak defoliations in teak plantations and commonly known as teak skeletonizer which is a common affair in teak plantations (new & old) in coastal and some inland districts of Orissa.

(iii) *Hyblea Pleura* - These are defoliators of teak leaves in natural Teak and Gambhar plantations:-

The other insect attacks are of *Batocera rufomaculata*, which damages young semul crop by tunneling and destroying the growing shoots. Termites are the menace to Eucalyptus plantations and to the timber and bamboo in depots. New bamboo culms are damaged by way of tunneling the node by Bamboo Weevil-*cytotrachelus longipes* and *Estigueno Chinensis*.

Termites

2.19.2 These cause damages to plantations of Eucalyptus and other species and also in timber depots of long storage. *Cytotracheleus longipea* and *Estigueno chinensis* cause damages to bamboo forests by tunneling the nodes in new bamboo culms.

2.19.3 **Epiphytes**

1. *Ficus bengalensis* and *Ficus religiosa* are common in moist forests which hosts some of the Epiphytes.
2. Shrubby epiphytes like *Dendrophthoe falcate*, *Viscum articulatum* damage the forest crop by causing malformation of trees of Kendu, Jamu and Bandhan etc.

Climate

2.19.4 Drought, flood, cyclone and frost are some of the climatic factors, which cause injury to the forests. Droughts have a profound effect on young plantation and natural regeneration. The cyclone affects the pole crop and the plantation. A severe cyclone had affected Ganjam District in 1972 - 73, but its effect on the forests could not be traced. Another severe storm struck Ganjam in October, 1999. This had severely affected the forests of Ghumsur (South) Division. The plantations of Buguda and Berhampur were heavily damaged. The cyclone has caused irreparable damage to Kriamba, Panchabhuti and Karchuli forest blocks of Buguda range.

CHAPTER - II

FLORA & FAUNA

B. FOREST FAUNA

2.20 GENERAL HISTORY

2.20.1 Orissa comes under biographical zone of Deccan peninsula. The central or core area of Indo - Malayan or Oriental realm containing tropical forest represent the richest biographic area from biodiversity view point. The existing wildlife in Orissa is classed under the Indian Peninsular sub region that forms a part of the Oriental Zoogeographical realm of the world.

2.20.2 Ghumsur (South) Division is very rich in variety of fauna. The division has varied terrain and topographical features ranging from plain of Solundi to the high hills of Pondakhhol. The detailed geology had been described in Chapter 1. The area of the division has varied ecological, faunal, floral, geomorphological, natural, zoological or specific genetical significance in terms of niche and specific population and community represented by Elephant (*Elephas maximus*), Tiger (*Panthera tigris*), Leopard (*Panthera pardus*), Sambar (*Cervus unicolor*), Chital (*Axis axis*), Barking deer (*Muntiacus muntjak*), Black buck (*Antelope cervicapra*) etc.

2.20.3 Ghumsur (South) Division occupies a unique position in the wildlife wealth of Orissa. A non descript village of Golia under Buguda Range has Giant fresh water turtle (*Trionyx gangeticus*) to its credit. This turtle is now extinct in other parts of Orissa. Ghumsur (South) Division also gets pride because of occurrence of Black buck (*Antelope cervicapra*) in a harmonious man animal relationship. These animals are observed only in this division in Orissa. All these specific animals, which make the place of Ghumsur (South) Division a unique are described in detail in the following paragraphs.

2.21 GIANT FRESH WATER TURTLE (*Trionyx gangeticus*)

2.21.1 Giant Fresh Water Turtle (*Trionyx gangeticus*), a Schedule - I species under the Wildlife (Protection) Act, 1972, is available in a pond in the village Golia of Buguda block of Ganjam District. This species is the same that was once found in the legendary Indradyumna tank at Puri. It is locally known as 'Kurma'. The legend says that it was brought to Golia by Sardar of Bhanja army, namely D. Hatiram Dora of Golia village, as a gift for his bravery from the King of Puri. At present, this species is extinct in the Indradyumna tank at Puri. The species is of large size and weighs about 20 - 30 Kg. It is distinguished by the greenish black streaked head and olive green disc with black reticulation or yellow vermiculation.

2.21.2 The thriving population of the Giant turtles started dwindling rapidly during the last decade due to severe impact of fishing that was undertaken by the villagers. The villagers could then realise the impact of fishing on the life of 'Kurma' in the pond. They approached the Government for the safety of this endangered species.

2.21.3 **Steps taken:** Government took steps in 1988. A team headed by Divisional Forest Officer, Ghumsur (South) Division was formed, which had recommended for digging of a separate pisciculture tank in Golia village and for making provisions for protection of the Giant fresh water turtle in the existing pond. These recommendations were made to the Government after due consultation with the villagers. The State Government accepted the proposal and provided required funds through World Food Programme. Thereafter, the scheme was implemented in May, 1993. Stone packing and barbed wire fencing around the existing tank were provided. Fruit bearing species and other species were planted along the edge of the embankment on the outer slope. Food for the turtles was provided from these funds. A new pisciculture tank was excavated and its inputs were provided during 1993 and 1994. Income generated out of pisciculture is being invested for the welfare of the village under the supervision of the Village Committee.

2.21.4 As per ocular estimation, the population of Giant turtle appears to be on the increase although census is yet to be carried out. The approximate number of turtles in the pond is around 300.

During the year 2007-08 & 2011-12 the renovation of pond of fresh water turtle at Golia was taken up by incurring an expenditure of Rs. 2,52,232/-. During the year 2012-13 an amount of Rs. 2.10 lakh has been spent to bunds in all four sides, construction of cement chairs for sitting purpose & signage of the fresh water turtle pond Golia. The pond has been made free from commercial fishing and other disturbances. Overall, it can be said that sincere efforts of the Forest department have proved to be successful in preventing extinction of Giant water turtles from Orissa. The F and E Department has been successful in motivating the villagers using the pond for bathing purpose in maintaining hygiene by not attending the call of nature on the bund.

At present provision of watch & ward has been made for safety of the fresh water turtle. Besides the local people are also sincerely involved in protection of fresh water turtle.

2.22 BLACK BUCK (*Antelope cervicapra*)

2.22.1 Black buck is an indigenous antelope and called locally as 'Kala bautia' or 'Krushnasar Mriga'. It is found in all over the woodland and over the plain fields of Ballipadar and Bhetnoi areas of Buguda Range of the division. The exact period of their existence is not known. As local information reveals Gazette notifications had been made during 1912 - 1915 for preservation of this fauna during the time of Madras Presidency. This rare and endangered species has drawn the sympathy of the local people in view of their religious bent of mind and they have been protecting the animals.

2.22.2 **Biology :** It is a graceful animal with striking colour and beautiful spiraled horns. It is remarkable that the male (buck) is distinguished from the female (doe) by its black colouration, body size and presence of long spiraled horns. The male seems to be another species of animal, when it is in the female herd. It is one of the few antelope in which the male differs from the female in colouration. The buck has a rich dark brown colour on the upper parts and outsides of the legs with white under parts and white around the eyes. In the doe, the dark brown colouration is replaced by yellow green. The intensity of colour depends upon the season. In winter and rainy season, both male and female have a deep colouration, whereas during summer the body colouration fades. This is a natural adoption of the antelope in response to the environment. Only the buck has horns which are ringed, spirally twisted and up to 24 inches long. The horns are delicate and pointed. The number of spirals and the

length of horns indicate the age and maturity of the buck. At full maturity, the adult male has horns of four spirals with 60 - 65 rings. The sub adult male has brown, less dark horns and grows up to 2 - 3 spirals. The horns are permanent and if once barren, it remains broken. In the habitat, one can find single horned buck; the horns are generally lost in the fight. The male have luxuriant growth and dominates over the females. The height and length of the bucks is more than that of the females. The buck has longer and broader ears as compared to its female counterpart. The bucks are swifter than the females and have greater physical efficiency. Each adult buck keeps a harem of does from which rival males are driven away. Mating takes place in the February and the gestation period is about 180 days, producing single young or sometimes twins. As the young male reaches maturity, the old buck drives them from the herd and they live in a separate bachelor group for few years. The winner of the fight between the males owns the harem. The life span is around 12 years. The fawns are more active and stay under the guidance of the females. The bucks are more aggressive comparatively during the mating season.

2.22.3 **Habitat :** Black bucks are extremely swift with speed of 50 miles per hour. They can take strides of 19 - 22 feet and can jump up to six ft high. When suddenly alarmed, first one is quickly followed by the others and leaps over six feet into the air. The bounding is continued for a while after which the herd settles down to a gallop. The black buck lives usually on flat open plains. They also prefer fields of higher bunds in which abundant grass is available. Black buck stays in herds up to 34 or even 60 in numbers. Isolated lone adult males are seen wondering in the field. Each herd is led by a single territorial male, but it is the doe that alerts and guides the herd in danger. The buck produces a barking sound when herd is in disorder. Black buck rests in shade during the hot and sunny hours of the day, but otherwise spend their time in grazing. They consume various types of grass and immature crops, more particularly the leguminous species. They get their mineral nutrients from the ground salt licks near the stream or catchment area. It's preferred cereal is millet.

2.22.4 **Location :** The black buck habitat in this division spreads over three Ranges i.e. Buguda, Aska and Polosara. The black buck area near Ballipadar and Bhetnoi has been declared as Game Reserve vide Notification Number 22755 / FFAH dated 19.09.1989 of the State Government over an area of 64.21 sq km reproduced in Appendix - XX. Twenty-one villages over an area of 4250 hectares are included in this Game Reserve. Black bucks

are found in high density in Gahangu and Ramanda complex of Buguda Range. These are also found in village surrounding the Game Reserve. These are Batarasingh, Subudhipalli, Golashi, Buguda, Chakarpalli, Talashar, Phapalpur, Narayanpur and Bajrakote etc. The extent of habitat of black bucks is shown in the Management and Stock maps. There are few isolated habitats to which they migrate and live separately and these are as Karsing, Mendhakhari, Gaherijuli and Puroshattampur of Kodala Range. Black bucks mostly live in the open cropland habitats avoiding bushy and forest dwelling habitats. These are well distributed around the villages and beside the village roads. They stay very close to the human habitations and highly communicable roads. One can observe black bucks from the moving vehicles. Although these black bucks feed on the immature crop of the farmers, the villagers give them protection. The belief is that if the black buck feeds on their crop, the yield of crop will increase. In fact, this belief is the only reason for the survival of these species. The villagers provide social security to these animals and do their maximum to protect them from poaching. Nevertheless, some stray cases of poaching do occur. The public awareness and their love towards these animals have resulted in a perfect harmonious relation between the human and black bucks. Efforts are on for construction of canal system from Baghua Dam to Talsakar village etc., which will pass through the black buck areas. Steps are being taken for provision of the corridors over the canal for free movement of the animals. The major cluster of black buck area is given in **Table No. 2.8**.

Table No. 2.8: **Major Clusters of Black Buck Areas**

Cluster No.	Name of major habitats	Beat	Section
1.	Kumpapada & Lunidhepa	Panchabhuti	Panchabhuti
2.	Betrasingh & Ramunda	Thanapalli	Buguda
3.	Burujhola & Talasakar	Thanapalli	Buguda
4.	Kanchuru & Pangidi - Kholakhali	Thanapalli	Buguda
5.	Kalamba & Dengapadar	Ballipadar	Ballipadar
6.	Gahangu	Ballipadar	Ballipadar
7.	Badakhali & Sanakhali	Ballipadar	Ballipadar
8.	Bhetnoi	Babanpur	Aska
9.	Narayanpur	Babanpur	Aska
10.	Beguniapada	Kodala	Kodala
11.	Nuakharida	Athagada	Kodala

2.22.5 **Steps Taken :** Some developmental works such as construction of two watch towers, provision of salt licks to the animals and digging of two game tanks to supply

water during summer have been done in the Game Reserve. Some plantations have been raised in the area. Several efforts have been made to develop the area as a spot for ecotourism. Achievement so far made on that score is not encouraging owing to several inadvertent factors. The Government of India sanctioned a research project on the study of population habitat preference, feeding and survival of black bucks in Ballipadar and Bhetnoi Game Reserve. The main purpose of the study was not only to collect and analyze data on ecology and biology of the species but also to study on the man animal conflict and socio economic impact of black buck on agriculture. The result of the analysis is awaited.

During the year 2005 a black buck Management Committee was formed consisting of 60 vilages involved in protecting the endangered species. In recognition of the outstanding contribution of the committee in conservation of wildlife, the government of Odisha awarded them the first “Biju Patnaik Award for Wildlife Conservation” during the year 2005.

2.22.6 **Census :** The census of the black bucks had been carried out, although not at regular intervals. The result of the census done in 2004, 2006, 2008 and 2011 is presented in the **Table No. 2.9.**

Table No. 2.9: Result of Census of Black Buck

Period of census	Male	Female	Young	Total	Agency Involved	Remarks
24.03.2004 to 26.03.2004	132	253	57	442	By Department	In Buguda Range
	50	143	18	212		In Aska Range
	30	91	12	133		In Khallikote Range
Total	212	487	87	786		
14.12.2006 to 16.12.2006	176	391	54	621	By Department	In Buguda Range
	3	9	4	16		In Polosara Range
	90	159	44	293		In Aska Range
Total	153	607	82	842		
2008	125	455	83	663	By Department	In Buguda Range
	130	259	20	409		In Aska Range
	20	53	-	73		In Polosara Range
Total	275	767	103	1145		
24.07.2011	32	91	4	127	By Department	In Polosara Range
	176	464	60	7000		In Buguda Range
	178	438	90	706		In Aska Range
Total	386	993	154	1533		
Source : Divisional Forest Officer, Ghumsur (South) Division.						

2.23 WILDLIFE LAWS

2.23.1 There was lack of uniform law in the field of wildlife protection before 1972. Some rules and acts were prevalent but were of little use. In 1969, the International Union for Conservation of Nature and Natural Resources (IUCN) had recommended for uniform act in India. Consequently, the Government of India enacted the Wild Life (Protection) Act, 1972 followed by supplementary rules such as Wildlife (Stock Declaration) Rules in 1974; Wildlife Transaction and Taxidermy Rules, 1974; Wildlife Protection Rules, (Orissa) 1974 etc. The State Wild Life Advisory Board advises the State Government in the matters of promotion of wildlife in Orissa. Besides, the Government of Orissa have prescribed several procedures such as

- (i) Compassionate payment on account of human killing by wild animals in 1983 vide Forest Department Notification No. 17636 - 8 F (W) - 12 / 83 / FFAH dated 20.08.1983;
- (ii) Regulation of fishing inside sanctuary in 1976 vide Orissa Gazette Part - III No. 41 dated 08.10.1976;
- (iii) Trade or commerce in Wild animals, animal articles and trophies in 1978 vide Orissa Gazette Part - II No. 38 dated 14.07.1978,
- (iv) Rewards for destruction of Wild animals etc. in 1978 vide S.R.O. No. 1309 / 78 Orissa Gazette Part - III No. 45 dated 10.11.1978 etc.

2.24 RIGHTS AND CONCESSIONS IN RESPECT OF WILDLIFE

2.24.1 There are no rights and concession to local population to shoot wild animals. Mohanty's Working Plan had prescribed for six shooting blocks, which were never implemented. Tribal people sometimes resort to Shikar (hunting) for the purpose of meat, but all these activities are illegal, after enactment of the Wildlife (Protection) Act, 1972 and rules framed there under.

2.25 COMMON INJURIES TO WILDLIFE

2.25.1 The wildlife is prone to poaching either for the purpose of trade or meat. The factors that are detrimental to the forest growth also affect the wildlife. The main reason for the extinction of wildlife is denudation in their habitat. The reported number of animals killed in the division illegally during the period from 2000-01 to 2012-13 is presented in the **Table No. 2.10.**

Table No. 2.10: Number of Animals Killed in the Division

Animal	2000 -01	2001 -02	2002 -03	2003 -04	2004 -05	2005 -06	2006 -07	2007 -08	2008 -09	2009 -10	2010 -11	2011 -12	2012 -13
Elephant	--	--	2	--	--	--	--	--	3	--	--	--	2
Tiger	--	--	--	--	--	--	--	--	--	--	--	--	--
Leopard	--	--	1	--	1	--	--	1	--	--	--	--	1
Sambar	--	1	--	1	--	1	--	--	1	--	--	--	--
Deer	1	--	--	--	4	4	--	2	3	--	1	1	4
Crocodile	--	--	--	--	--	--	--	--	--	--	--	--	--
Wild pig	--	--	--	1	--	1	--	--	1	2	--	2	4
Ramsial	--	--	--	--	--	--	--	--	--	--	--	--	--
Others	NIL												
Black Buck	--	1	--	1	--	3	4	5	10	11	6	5	8
Bear	2	--	--	--	--	1	--	--	--	--	1	--	--
Tortoise	--	9	--	--	--	--	--	--	--	--	--	--	--
Bajrakapta	--	1	--	--	--	--	--	--	--	--	--	--	--
Baison	--	--	--	--	--	1	--	--	--	--	--	1	--
Common Linguar	--	--	--	--	--	--	--	--	--	2	--	--	--
Rabbit	--	--	--	--	--	--	--	--	--	--	--	1	--
Hyena	--	--	--	--	--	--	--	--	--	--	--	--	1
Jungle Cat	--	--	--	--	--	--	--	--	--	--	--	--	3
Murticus Monica	--	--	--	--	--	--	--	--	--	--	--	--	1
Peacock	--	--	--	--	--	--	--	--	--	--	--	13	--
Source : Divisional Forest Officer, Ghumsur (South) Division.													

2.26 SANCTUARIES AND NATIONAL PARK

2.26.1 There is no sanctuary or national park in the Ghumsur (South) Division. Mohanty's Working Plan had recommended to declare the 'Pondakhol block' as a sanctuary. This has not been done as yet.

2.27 EXISTING SALT LICKS, WATER HOLES ETC.

2.27.1 Salt licks were prepared in the black buck area. There are plenty of natural sources of water in the forests of the division.

Under different Schemes water bodies have been created/ renovated in this Division which is detailed below in the **Table No. 2.11**.

Table No. 2.11 **Water bodies created and renovated during 2007-08 to 2012-13**

Year	No.of water Bodies renovated		Location	
	Created	Renovated	Created	Renovated
2007-08		1 No.		Gollia
2008-09		2 Nos.		Bhetnei & Nayanpur
2009-10	3 Nos.	1 No.	Dasanapalli, Khumula & Pangidi	Karanjee
2010-11	2 Nos.		Nadiamba & Karanje	
2011-12	2 Nos.	2 Nos.	Bajrakote & Chermaria	Gollia & Narayanpur
2012-13	3 Nos.		SobhachandraPur, Baradabili & Barikapalli.	

2.28 GENERAL CENSUS

2.28.1 The general census of wildlife is conducted only for elephants, tiger, leopard and avian fauna. The result of census for elephant, cats and avian fauna is given in **Table 2.12, Table No 2.13** and **Table No 2.14**.

Table No. 2.12: **Result of Census of Elephant**

Year	Period	Male	Female	Young	Total	Remarks
1999	03.05.1999 to 05.05.1999	3	2	--	5	Census done at Surada Range.
2002	05.05.2002 to 07.05.2002	3	3	--	6	
2005	24.04.2005 to 25.04.2005	2	7	2	11	
2012	31.05.2012	3	13	6	22	Census done at Surada, Range.
		2	7	--	9	Census done at Buguda Range.
		1	--	--	1	Census done at Polosara Range.
	Total	6	20	6	32	
Source : Divisional Forest Officer, Ghumsur (South) Division.						

Table No. 2.13: **Result of census of Tiger & Leopard**

Year	Leopard				Remarks
	Male	Female	Cub	Total	
1998				7	
2000				2	
2002				8	
2004				9	
Total	0	0	0	26	
Source : Divisional Forest Officer, Ghumsur (South) Division.					

Table No. 2.14: **Result of Mid winter Asian Waterfowl Census in the Wetland/ Water bodies**

Name of the Birds	Year of census				
	2014	2013	2012	2011	2010
Little Grebe	400	360	217	156	207
Great Cormorant	105	91	82	41	122
Little Cormorant	394	446	79	69	585
Indian Shag	--	--	249	2410	27
Indian Pond Heron	346	669	224	228	448
Cattle Egret	826	566	130	30	137
Little Egret	296	149	94	80	--
Intermediate Egret	166	120	--	--	--
Great Egret	165	21	90	73	73
Purple Heron	80	131	106	65	51
Grey Heron	--	--	64	48	62
Asian Openbill	141	182	238	2565	--
White Strock	--	--	370	180	452
Black necked Strock	--	--	--	60	--
Lesser Adjuent	---	--	226	--	--
Lesser Whistling Duck	257	645	90	73	--
Eurasian Wigeon Anes Penelope	470	--	--	--	--
Fulvous (Large) Whistling Duck	--	--	--	2495	--
Bar headed goose	--	---	--	1200	--
Gadwall	--	--	--	2553	--
Mallad	--	--	--	330	--
Northern Pintail	154	--	--	22	--
Common Pochard	48	115	98	--	--
Comb Duck	--	--	306	--	--
Sarus Cranes	75	116	226	216	507
White breasted Water hen	273	217	160	493	194
Black winged Stilt	66	--	--	--	--
Yellow wattled lapwing	105	10	12	--	--
Sociable Plover	115	--	--	--	--
Red wattled lapwing	312	125	--	--	--
Common King fisher	138	193	48	170	195

Name of the Birds	Year of census				
	2014	2013	2012	2011	2010
Brahming Kite	42	9	3	--	14
White throated King fisher	208	4	13	--	--
Yellow wag tail	60	--	--	--	--
Parakelt	67	--	--	--	--
Indian Bulbul	49	--	--	--	--
Fly catcher	58	--	--	--	22
Bani (Common myna)	102	--	--	--	--
Oriental Darter	--	80	--	--	--
Bronze winged Jacana	--	67	--	--	--
Printed Snipe	--	84	72	--	--
White breasted living fisher	--	104	258	--	--
Red ramped sallow	--	60	--	--	--
Source : Divisional Forest Officer, Ghumsur (South) Division.					

2.29 PEOPLE KILLED

2.29.1 Wildlife particularly Tiger and Elephant kill or injure the human lives. This is because of the encroachment of the wildlife habitation by the human agency. The number of human being killed by wildlife during the period 2001-02 to 2012-13 is presented in the **Table No. 2.15.**

Table No. 2.15: **Number of People Killed by Wildlife**

Year	People killed	Animal responsible
2001-02	0	
2002-03	0	
2003-04	0	
2004-05	0	
2005-06	1	Gour (Buguda Range)
2006-07	0	
2007-08	1	Bear (Aska Range)
2008-09	2	Elephant (Polosara Range)
2009-10	0	
2010-11	1	Boar (Buguda Range)
2011-12	2	Elephant(Buguda Range)/ Bear(Polosara Range)
2012-13	2	Elephant (Surada Range)/ Leopard (Polosara Range)
Source : Divisional Forest Officer, Ghumsur (South) Division.		

2.30 RARE AND ENDANGERED WILDLIFE

2.30.1 Eight amphibian species have been recorded from Ganjam District and none of them can be considered as endangered species. There are twenty-two species of reptiles available in the district and five of them are known to be endangered.

(Source: Zoological Survey of India, Calcutta). These are;

SAURIA (LIZARDS)

1. *Chamaeleo zeylanicus* Laurenti
2. *Varanus bengalensis* Daudin
3. *Barkuda insularis* Annandale

SERPENTIS (SNAKES)

1. *Ptyas mucosus* (Linn)
2. *Xenochrophis piscator* (Schneider)

2.31 MISCELLANEOUS

2.31.1 There had a report of hunting of Crow pheasant (locally known as Kumutia crow) by members of Dubuduba community residing in Golia village of Buguda range. These birds belong to the family Phasianidae of the order Galli. It is claimed that its meat has a medicinal value (as a cure for Asthma). Another bird locally known as Balisna (*Passeri formes*) is used as a bait to trap this bird. Both belong to schedule - IV of the Wildlife (Protection) Act, 1972.

2.31.2 Just like the fresh water turtle of Golia and Black buck of Balipadar area, the management of peacocks in Pakidi DPF of Aska Range has gained increasing importance in the recent past. Presence of dense under growth with large diversity of small insects, availability of water source round the calendar and proper topography with large extent of paddy field in the adjoining areas are very much suitable for food, shelter and proliferation of peacocks in the Pakidi DPF. Of course installation of stone crusher mills adjoining to the DPF with lot of noise and dust pollution is the dissuading factor in the existence of this wild animal to live in harmony with human habitation. In the recent past a large number of peacocks died in Pakedi DPFs due to intoxication of caused by the application of pesticides in the cotton fields adjoining to forests. Awareness campaign has been taken up in the locality

for non-application of pesticides in the cultivated field adjoining to the forests to avoid the death of peacocks. In the recent severe cyclone (PHAILIN) in Oct'2013 there has been severe damage to the forest which has imbalanced the peacock population in the area.

2.31.3 The list of fauna present in the Ghumsur (South) Division is given along with the list of flora in the beginning of this Working Plan.

CHAPTER - III

UTILISATION OF THE PRODUCE

3.1 AGRICULTURAL CUSTOMS AND WANTS OF PEOPLE

3.1.1. The total population of Ganjam District is 35,20,151 as per the 2011 census. The total Geographical area of Ganjam District as per District Statistical Hand Book (DSHB) - 2009 is 8206.00 Sq.km. out of which the total forest area inclusive of RF, DPF, UDF, other forest and village forest is 3149.90 Sq.km. i.e. there is one Sq.km. of forest for 1117.54 nos. of persons. It deserves a special mention that there were 5,86,789 SC and 90,919 of ST persons out of the total population of 31,60,635 (2001 census) forming 18.57% and 2.88% respectively. The abstract of population growth of 2001 and 2011 census is given in **Table No. 3.1**. Block wise rural families below poverty line as per 1997 survey in the C D blocks coming under Ghumsur South Division and rural urban literacy rate by sex in Ganjam District is given at **Table No. 3.2** and **Table No. 3.3** respectively.

Table No. 3.1: **Population Growth**

Name of the District	Year of Census		% of growth in decade	Yearly % of growth.
	2001	2011		
1	2	3	4	5
Ganjam	31,60,635	35,20,151	11.37%	1.13%
Total:	31,60,635	35,20,151	--	--
Source: District Statistical Hand Book 2009, Ganjam				

Table No. 3.2: **Block Wise Rural Families below Poverty Line (BPL) as per 1997 Survey in the C.D. Blocks of Ghumsur South Division**

Name of the C.D. Block	Total Rural Families	No of Rural BPL families	% of Rural BPL families	SC	ST	Women	Others
1	2	3	4	5	6	7	8
GHUMSUR (SOUTH) DIVISION							
Chatrapur	26409	14349	54.33	5985	80	821	7921
Ganjam	17368	10302	59.32	3272	63	589	6149
Khallikote	26464	15677	59.24	5073	1141	897	10054
Beguniapoda	24981	16634	66.59	5076	853	953	8470

Name of the C.D. Block	Total Rural Families	No of Rural BPL families	% of Rural BPL families	SC	ST	Women	Others
Polosora	25454	15318	60.18	4119	711	876	7316
Purushottampur	27281	12607	46.21	5802	101	721	6387
K.S.Nagar	20796	9431	45.35	3280	102	539	4046
Hinjilicut	22157	9182	41.44	4139	18	662	4574
Rangeilunda	26406	16181	61.28	5438	134	926	5691
Kukudakhandi	24643	13350	54.17	5707	1363	764	5197
Digapahandi	28459	16369	57.52	4737	2136	937	10075
Sanakhemundi	30328	15735	51.88	4296	1855	901	8297
Chikiti	20717	11600	55.99	4292	667	663	6396
Patrapur	26729	16682	62.41	4090	3503	955	9976
Bhanjanagar	27574	15275	55.4	5515	1638	875	8758
Bellaguntha	22199	8733	39.34	2518	186	499	4922
Buguda	23812	13635	57.26	4365	682	779	8217
J.N.Prasad	27951	17668	63.21	6363	1224	1011	10659
Aska	27836	9750	35.02	3692	175	558	3917
Dharakote	21689	13191	60.82	3745	1737	755	6140
Soroda	25611	19897	77.69	5627	2887	1137	11826
Sheragada	23444	10015	42.72	3212	368	437	4989
Total (22 CD Blks)	548308	301581	--	100343	21624	17255	159977
Source: http://ganjam.nic.in/bpl_census.htm							

Table No. 3.3: **Rural Urban Literacy Rate by Sex in Ganjam District**

Sl	Name of the District	Census Year	All Classes			Rural			Urban		
			Persons	Male	Female	Persons	Male	Female	Persons	Male	Female
1	2	3	4	5	6	7	8	9	10	11	12
1	Ganjam	2001	16.31	10.05	6.26	59.46	75.8	43.92	73.60	84.33	62.77
		2011	22.10	12.62	9.47	16.35	9.45	6.89	87.49	3.16	2.57
Source: District Statistical Hand Book 2009, Ganjam & http://www.census2011.co.in/census/district/412-ganjam.html											

3.1.2. **Occupation of the People:** The 2001 census reveals the occupation of the people of Ganjam District which is given in the **Table No. 3.4.**

Table No. 3.4: **Occupation of the People**

Total Workers	No. of people engaged as				Percentage of population			
	Cultivators	Agricultural labourers	Worker in House hold	Other workers.	Cultivators	Agricultural laborers	Worker in House hold	Other Workers
1	2	3	4	5	6	7	8	9
1305932	322428	503927	49671	429906	24.68	38.58	3.83	32.91
Source: District Statistical Hand Book 2009, Ganjam								

More than 82% of the population lives in rural areas. Agriculture is their main occupation. They either cultivate or are engaged as agricultural labours. Paddy is the principal crop. Pulses, oil seeds, sugar cane, wheat, tobacco, fiber crop and jutes are also cultivated. Forestry sector also provides employment to the people when different operations like nursery, plantation, watch and ward. Silvicultural Operation, collection of Non-Timber Forest Produces are carried out. The classification of main workers and marginal workers along with their % to the total population is given in **Table No. 3.5.**

Table No.3.5: **Classification of Populations (2001 Census)**

Dist rict	Category	No. of Male workers	% with relation to total population.	No. of Female workers.	% with relation to total population	Total worker	% with relation to total population.
GANJAM	Main worker	649224	20.54	170502	5.39	819726	25.93
	Marginal worker	168616	5.33	317590	10.05	486206	15.38

The use of land in Ganjam for different activities by the people is given in **Table No. 3.6.** It is seen that about 50% of the cultivated area of Ganjam district is covered by paddy as given in **Table No. 3.7.** The district wise productivity of Rice, Cereals, Pulses, Oil seeds, Fibres & Sugarcane crops from 2006-07 to 2011-12 in Ganjam district is provided in **Table No. 3.8.** It is observed that there is wide fluctuation of the production of paddy per ha. in the different years in this district.

Table No.3.6: Land Utilisation Statistics for the Ganjam District (Yr 2004-05)

(Area in Ha.)

Districts	Geographical Area	Forest Area	Misc. tree & groves	Permanent pasture	Cultivable waste	Land put to non-agricultural use	Barren and uncultivable land.	Current fallow	Other fallow	Net area shown.
Ganjam	821	315	23	36	19	48	7	45	17	171

*Source: Odisha Agriculture Statistics 2011-12
Directorate of Agriculture & food production Orissa, Bhubaneswar.*

Table No. 3.7: Cultivated Area and Kharif Paddy Area of Ganjam District (Yr 04-05)

(Area in Ha.)

Name of the District.	CULTIVATED AREA				KHARIF PADDY AREA			
	High	Medium	Low	Total	High	Medium	Low	Total
1	2	3	4	5	6	7	8	9
Ganjam	190	113	103	406	46	113	103	262

*Source: Odisha Agriculture Statistics 2011-12
Directorate of Agriculture & food production Orissa, Bhubaneswar.*

Table No. 3.8: Production of major crops in Ganjam District.

(Yield in Kg./ha.)

Year of Production	Rice	Cereals	Pulses	Oil seeds	Fibres	Sugarcane
1	2	3	4	5	6	7
2007 – 08	2280	2058	450	890	656	77405
2008 – 09	1720	1605	515	995	656	76625
2009 – 10	2053	1880	477	990	619	74965
2010 – 11	1602	1501	506	987	604	73920
2011 – 12	594	693	498	977	624	73920

*Source: Odisha Agriculture Statistics 2011-12
Directorate of Agriculture & food production Orissa, Bhubaneswar.*

3.2 MARKET & MARKETABLE PRODUCTS

3.2.1 Market

The important markets for the various forest produce are located both within and outside the jurisdiction of the Division namely, Berhampur, Aska, Hinjilicut, Chatrapur, Kabisuryanagar, Polasara, Kodala, Buguda, Sorada, Digapahandi, Chikiti, Ganjam, Rambha, Khallikote, Buguda and Gopalpur. Timber and NTFPs such as Siali leaf plates, tamarind and cashew (from forest area) are stored at Berhampur and then sold to neighbouring states.

3.2.2 **Marketable Produce:**

A. Timber: Although Teak is the most valuable and sought after timber but it is scarce. In order of importance the next species is Sal, which is available. The other valuable timbers that have high demand in the market are *Dalbergia latifolia* (Sissoo), *Pterocarpus marsupium* (Bija), *Desmodium oojeinensis* (Bandhan) and *Adina cordifolia* (Halanda). The other timber species that are marketed are *Gmelina arborea* (Gambhar), *Terminalia tomentosa* (Asan), *Anogeissus latifolia* (Dhau), *Schleichera oleosa* (Kusum), *Bridelia retusa* (Kasi), *Grewia tiliaefolia* (Dhaman), *Samania saman* (Kakapoi) and others.

B. Firewood: In the past, bulk of the fire wood was consumed locally. The inferior species were disposed off as firewood. After issuance of Moratorium on green felling, the scarcity of firewood has become acute. Still some of the local people earn their livelihood by illegal procurement of fire wood from the forests and selling these fire wood in towns and villages.

C. Bamboo: The forests of the Division are rich in bamboo. The bamboo coupes are worked out by the Orissa Forest Development Corporation Limited and paper mills are the consumers of the bamboo produced in this division. The local demand of bamboos is met by the OFDC Ltd. by sale of commercial (long) bamboos from their local sale depot situated at various places in the Division. Since the demand supersedes the supply at times it becomes difficult to cater to the need.

D. Non-Timber Forest Produce: The major Non - Timber Forest Produces, which are marketed are Sal seeds, Siali leaves, Sabai grass, Cashew nut, Khelua creeper, Tamarind, Soap nut, Mersinga leaves, Canes, Mahula seeds, Mango kernel, Kusum seeds and Gilla seeds. There are several processing unit of Cashew at Chatrapur and Kodala range. Siali leaf plate and Tamarind are sold to south Indian states from Berhampur. Several NTFPs have been remaining undisposed off for more than 20 years. For example, Dantari creeper and Sunari bark fetched a price of Rs 200 each in 1979 - 80, and thereafter remained un-auctioned. It is expected that the market of NTFPs will be developed within the new policy already introduced by the State Government.

E. Kendu leaf: Kendu leaf activity is another low key sector as far as Ganjam District is concerned. It is on a limited scale unlike in the western belt of the state. It is limited to

Buguda range of this division. The Kendu leaf phadies are located at Motabadi, Jatra, Budurungu, Makrapalli, Bhabasar and Panikeshar of Buguda range.

3.2.3 Past and Current Price

3.2.3.1 **Schedule of rates:-** The old schedule of rates pertaining to 1946 and 1967 are given in **APPENDIX – XI** in order to have comparison with the new schedule of rates. There were different rates prevailing in different ex - zamindaris. These are no more in practice. The new schedule of rates is as per Government of Orissa notification No. 30957 - FFAH dated 14.11.1977. The schedule of rates needs revision as the market rates of different classes of forest produce have gone up considerably.

3.2.3.2 The price of round timber in the past was very less and is hardly comparable with the present price. Sal sawn timber produced by Russelkonda saw mill was sold at rates as per **Table No. 3.9**. The average price obtained per cubic feet of Sal (coupe price) in various years in Sorada range was as per **Table No. 3.10**. The rejected Sal logs from Kriamba and Pipalapanka were disposed off at the rate of Rs 0, 1, 6 to Rs 0, 9, 5 per cubic feet around 1923 - 24. The average price obtained per cubic feet of round timber from various ranges of Ghumsur (South) Division was as per **Table No. 3.11**.

Table No. 3.9: **Past Selling Price of Sawn Sizes of Sal**

Year	Quantity sold (cubic ft)	Average selling Price per Cft		
		Rs	a	p
1922 - 23	16843	2	15	5
1923 - 24	41232	3	3	11
1924 - 25	47078	3	0	2
1925 - 26	42871	2	11	10
1926 - 27	82018	2	10	0
1927 - 28	87960	2	9	6
1928 - 29	87960	2	6	8
a - Anna, p - Paise, One Anna was equal to twelve Paise				
Source : Revised Working Plan of Ghumsur Forests, Ganjam District, (1930 - 31 to 1939 - 40), M. K. Nayar.				

Table No. 3.10: Past Average Coupe Price of Sal

Year	Quality of timber sold (Cubic ft)	Average selling Price per Cft Rs a p
1933 – 34	2128	0 2 6
1934 – 35	4098	0 4 6
1935 - 36	4390	0 3 9
1936 - 37	1408	0 3 10
1937 - 38	41 (trees)	5 4 (Per tree)
Source : Revised WP of Ghumsur (South) Division (1940-41 to 1959- 60)		

Table No. 3.11: Past Average Price of Round Timber Per Cubic Ft Obtained

YEAR →		1930 – 31				1939 - 40			
Species	Dia- meter	Chatra- pur	Berham -pur	Sora da	Bugu da	Chatra- pur	Berham -pur	Sora da	Bugu da
		Rs a p	Rs a p	Rs a p	Rs a p	Rs a p	Rs a p	Rs a p	Rs a p
1 st quality	≥ 16"	1 8 0	1 4 0	1 8 0	1 8 0	1 0 0	1 0 0	0 12 0	0 12 0
2 nd quality	12"-16"	1 0 0	0 12 0	0 12 0	0 12 0	0 10 0	0 10 0	0 6 0	0 6 0
3 rd quality	8"-12"	0 10 0	0 8 0	0 8 0	0 8 0	0 8 0	0 8 0	0 4 0	0 4 0
Bija	≥ 16"	2 0 0	1 12 0	2 0 0	2 0 0	2 0 0	1 12 0	1 0 0	1 0 0
Halanda	≥ 16"	1 8 0	1 4 0	1 4 0	1 4 0	0 12 0	0 8 0	0 8 0	0 8 0
Asan	≥ 14"	1 0 0	0 12 0	0 10 0	0 10 0	0 8 0	0 6 0	0 4 0	0 4 0
Sissoo	≥ 16"	2 8 0	2 4 0	2 0 0	2 0 0	2 0 0	1 8 0	1 0 0	1 0 0
Source : Revised Working Plan of Ghumsur (South) Division (1940 - 41 to 1959 - 60), D. H. Khan									

3.2.3.3 The rates prevailing in 1958 - 59 and 1968 - 69 for various classes of logs and sawn sizes are presented in the table 3.12.

Table No. 3.12 Past Rates of Various Classes of Logs and Sawn Sizes

		(Rs / cft)			
		1958 – 59		1968 - 69	
Type	Girth	Sorada	Berhampur	Sorada	Berhampur
1	2	3	4	5	6
Sal logs	4'-5' (121.92 - 152.40 cm)	5.00	6.00	8.00	9.00
	5'-6' (152.40 - 162.88 cm)	6.00	7.00	9.00	10.00
	6' & above (≥ 162.88 cm)	7.00	8.00	10.00	11.00
	Sawn timber	6.00	6.76	9.00	10.00
Bija logs	121.92 cm - 152.40 cm	7.00	8.00	10.00	11.00
	152.40 cm - 162.88 cm	9.00	10.00	12.00	13.00
	Above 162.88 cm	10.00	11.00	14.00	15.00
	Sawn timber	10.00	10.75	14.00	15.00
Bandhan logs	Above 3' girth (91.44 cm)	6.00	7.00	8.00	9.00
	Above 4' girth (121.92 cm)	4.00	4.50	5.00	6.00
	Above 5' girth (152.40 cm)	4.00	4.50	5.00	6.00
Gambhar logs	4' & above (121.92 cm)	5.00	6.00	7.00	8.00
	5' & above (152.40 cm)	6.00	7.00	8.00	9.00
	Sawn timber	8.00	8.75	10.00	10.75

(Rs / cft)					
		1958 – 59		1968 - 69	
Type	Girth	Sorada	Berhampur	Sorada	Berhampur
1	2	3	4	5	6
Halanda logs	4' & above (121.92 cm)	4.00	5.00	6.00	7.00
	5' & above (152.40 cm)	4.50	5.50	6.50	7.50
	6' & above (182.88 cm)	5.00	6.00	7.00	8.00
	Sawn timber	7.00	7.50	10.00	11.00
Kasi logs	Above 121.92 cm	3.00	4.00	5.00	6.00
	Above 162.88 cm	4.00	5.00	5.50	6.50
	Above 182.88 cm	5.00	6.00	6.00	7.00
Fire wood per Quintal		1.50	2.50	2.80	4.25
Source: Revised Working Plan of Ghumsur (S) Division (1970-71 to 1990-91), R. N. Mohanty					

3.2.3.4 The price of Sal sizes of various specifications was as per **Table No. 3.13**. The rates quoted were for 10' - 11' class. The price of railway sleepers was as per **Table No. 3.14**. The prices for various special sizes varied from Rs 7.75 to Rs 11.85 during 1968 - 69.

Table No. 3.13: Past Rates of Sal Sizes in the Division

(Rs / cft)			
Species	Size	1958 - 59	1968 - 69
1	2	3	4
Sal	Up to 11' (3.35 m)	7.00	12.10
	Over 11' - 12' (3.35 m - 3.66 m)	7.50	12.65
	Over 12' - 13' (3.35 m - 3.96 m)	8.00	12.95
	Over 13' - 14' (3.96 m - 4.27 m)	8.50	13.20
	Over 14' - 15' (4.27 m - 4.57 m)	8.75	13.50
	Over 15' - 18' (5.57 m - 5.48 m)	10.00	13.80 - 14.40
	Over 18' (5.48 m)	12.00	14.95
Source : Revised WP of Ghumsur (South) Division (1970-71 to 1990-91), R. N. Mohanty			

Table No. 3.14: Past Rates of Railway Sleepers in the Division

(Rs / Piece)					
Species	Specifications	1958 - 59	1968 - 69	1975 - 76	1977 - 78
Sal 1 st Class	Broad Gauge	20.00	34.50	73.00	91.00
Sal 1 st Class	Meter Gauge	9.00	13.80	28.13	35.00
Sal 1 st Class	Narrow Gauge	5.50	NA	19.25	24.00
Sal 2 nd Class	Broad Gauge	15.37	32.85	62.06	78.00
Sal 2 nd Class	Meter Gauge	6.14	13.15	23.88	30.00
Sal 2 nd Class	Narrow Gauge	4.13	NA	NA	NA
Irul 1 st Class	Broad Gauge	NA	27.35	NA	NA
Irul 1 st Class	Meter Gauge	NA	13.10	NA	NA
Asan 1 st Class	Broad Gauge	NA	25.15	NA	NA
Asan 1 st Class	Meter Gauge	NA	12.10	NA	NA
Misc. 1 st Class	Broad Gauge	18.50	19.35	NA	NA
Misc. 1 st Class	Meter Gauge	8.50	8.85	NA	NA
Misc. 1 st Class	Narrow Gauge	5.50	NA	NA	NA
Source : Revised WP of Ghumsur (South) Division (1970-71 to 1990-91), R.N.Mohanty					

3.2.3.5 The sale price of round logs and sawn sizes by the Orissa Forest Development Corporation at Bhanjanagar in various years is presented in **Table No. 3.15**.

Table No. 3.15: **Average Sale Price of Round Logs at OFDC Division, Bhanjanagar**

							(Rs / cft)
SPECIES	1981 - 82	1982 - 83	1983 - 84	1984 - 85	1985 - 86	1986 - 87	1987 - 88
Sal	43.75	33.64	NA	NA	96.34	105.96	121.33
Halanda	34.31	41.13	NA	55.09	62.06	73.47	77.44
Asan	22.96	24.35	NA	31.98	36.13	42.33	41.25
Bija	55.01	22.27	NA	33.61	72.42	81.23	77.18
Arjuna	25.19	NA	NA	NA	NA	NA	NA
Dhau	15.79	17.26	NA	24.70	26.02	29.23	29.46
Kasi	22.83	27.78	NA	24.28	45.12	57.22	65.14
Sissoo	51.89	NA	NA	84.36	75.98	72.23	75.93
M. Mundi	21.27	21.17	NA	38.26	41.55	50.43	39.66
Rai	9.84	NA	NA	NA	NA	NA	NA
Jamun	25.31	23.65	NA	26.90	29.35	34.63	44.18
Bandhan	14.40	17.26	NA	29.11	33.11	38.91	39.75
Siris	24.26	24.08	NA	38.91	44.68	48.82	53.38
S. Mai	14.07	14.92	NA	27.32	29.59	32.87	42.82
Kendu	14.59	12.19	NA	NA	NA	NA	NA
Teak	NA	12.74	NA	76.92	41.88	37.44	55.44
Kusum	NA	16.61	NA	NA	NA	24.94	NA
Simula	NA	NA	NA	NA	11.33	14.71	13.88
Gambhar	NA	NA	NA	NA	NA	70.04	52.85
Mango	NA	NA	NA	NA	NA	NA	NA
Eucalyptus	NA	NA	NA	NA	NA	NA	NA
Acacia	NA	NA	NA	NA	NA	NA	NA
Mixed	8.89	9.94	NA	19.90	22.75	21.82	20.24
Sawn sizes	22.56	NA	NA	NA	43.50	52.00	54.26
SPECIES	1988 - 89	1989 - 90	1990 - 91	1991 - 92	1992 - 93	1993 - 94	1994 - 95
Sal	128.89	123.29	138.93	118.36	116.42	115.36	134.15
Halanda	99.94	119.86	119.21	123.74	161.89	208.01	165.24
Asan	NA	60.06	65.55	71.49	66.17	59.68	78.49
Bija	106.82	142.36	144.93	201.29	224.99	221.69	160.92
Arjuna	NA	NA	NA	NA	NA	NA	NA
Dhau	28.49	44.49	44.38	57.58	44.09	43.20	45.62
Kasi	NA	107.82	110.59	93.01	NA	100.57	133.33
Sissoo	101.33	177.61	146.21	235.56	NA	102.71	375.12
M. Mundi	60.96	75.66	78.95	69.07	NA	NA	NA
Rai	NA	NA	NA	NA	NA	NA	NA
Jamun	37.65	29.92	NA	48.19	39.17	43.74	70.05
Bandhan	46.19	56.47	90.26	101.12	60.89	92.38	121.07
Siris	57.64	85.43	87.69	101.05	157.24	NA	181.89
S. Mai	40.07	48.91	56.13	47.35	39.17	43.74	NA
Kendu	NA	NA	NA	NA	NA	NA	103.46
Teak	NA	NA	NA	165.17	NA	NA	222.82
Kusum	NA	NA	NA	NA	NA	NA	NA
Simula	10.96	23.67	25.05	NA	NA	NA	NA
Gambhar	NA	NA	NA	NA	NA	NA	NA
Mango	NA	NA	NA	NA	NA	NA	47.36

Eucalyptus	NA	NA	NA	NA	NA	NA	NA
Acacia	NA	NA	NA	NA	NA	NA	NA
Mixed	21.99	33.50	67.55	21.40	21.39	23.12	27.72
Sawn sizes	61.51	73.75	79.88	85.65	105.67	90.64	166.85
SPECIES	1995 - 96	1996 - 97	1997 - 98	1998 - 99	1999 - 00		
Sal	186.30	191.80	165.85	205.34	209.44		
Halanda	319.66	342.93	341.16	334.11	273.05		
Asan	75.34	129.30	132.16	115.32	145.56		
Bija	306.95	294.29	266.46	279.71	232.40		
Arjuna	NA	NA	NA	NA	NA		
Dhau	98.52	84.68	NA	91.33	114.24		
Kasi	231.47	222.32	212.14	282.67	258.73		
Sissoo	NA	NA	373.37	347.49	690.72		
M. Mundi	NA	NA	NA	NA	NA		
Rai	NA	NA	NA	NA	NA		
Jamun	NA	NA	NA	NA	NA		
Bandhan	113.94	90.92	234.57	244.75	NA		
Siris	107.34	148.05	185.21	246.78	169.41		
S. Mai	48.72	NA	NA	NA	125.88		
Kendu	NA	NA	NA	NA	NA		
Teak	349.76	320.75	272.07	411.96	335.07		
Kusum	NA	NA	NA	NA	NA		
Simula	NA	NA	NA	NA	NA		
Gambhar	230.08	NA	425.62	417.94	297.61		
Mango	46.99	78.94	NA	NA	NA		
Eucalyptus	43.84	37.38	NA	NA	42.03		
Acacia	NA	35.41	NA	NA	NA		
Non-Sal	64.48	51.23	57.09	63.55	114.97		
Sawn size	148.03	182.39	155.33	310.08	325.72		
Source : DM, Commercial Division, OFDC, Bhanjanagar.							

3.2.3.6 The sale price of round logs and sawn sizes by the Orissa Forest Development Corporation at Berhampur in various years is presented in **Tables No. 3.16** and **3.17**.

Table No. 3.16: **Average Sale Price of Round Logs At OFDC Division, Berhampur**

	(Rs / cft)								
SPECIES	90 - 91	91 - 92	92 - 93	93 - 94	94 - 95	95 - 96	96 - 97	97 - 98	98 - 99
Sal	59.48	137.00	117.00	125.00	156.00	200.00	201.00	136.00	136.00
Teak	76.27	NA	127.00	285.00	187.00	300.00	222.00	222.00	163.00
Halanda	115.93	118	92.00	123.00	84.00	NA	NA	150.00	NA
Asan	81.14	86.00	77.00	65.00	64.00	84.00	87.00	92.00	NA
Siris	90.17	NA	NA	NA	97.00	NA	NA	NA	176.00
Dhau	63.62	63.00	54.00	36.00	100.00	NA	112.00	90.00	176.00
S. Mai	68.04	44.00	32.00	NA	NA	NA	NA	NA	NA
Misc.	45.99	50.00	49.00	52.00	43.00	72.00	571.00	65.00	79.00
S. Mai	45.99	NA	NA	NA	NA	NA	NA	NA	NA
Arjuna	65.04	66.00	83.00	NA	NA	NA	NA	115.00	84.00
Simula	36.70	34.00	NA	NA	NA	NA	NA	NA	NA
Mango	47.03	NA	66.00	61.00	63.00	NA	NA	NA	93.00
Jamun	64.78	71.00	61.00	NA	44.00	NA	NA	90.00	NA
Bandhan	57.72	NA	NA	NA	76.00	NA	NA	NA	162.00
Mundi	82.56	96.00	NA	88.00	NA	NA	NA	150.00	NA

Kasi	99.64	NA	82.00	93.00	87.00	NA	149.00	157.00	162.00
Bija	NA	NA	NA	193.00	118.00	144.00	264.00	156.00	162.00
Sissoo	NA	NA	NA	341.00	312.00	200.00	NA	NA	NA
Gambhar	NA	NA	NA	NA	165.00	NA	NA	NA	87.00
Acacia	NA	NA	NA	NA	NA	100.00	100.00	NA	NA
Eucalyptus	NA	NA	NA	NA	NA	NA	47.00	NA	NA
Source : DM, Commercial Division, OFDC, Berhampur.									

Table No. 3.17: **Average Sale Price of Sawn Sizes at OFDC Division, Berhampur**

(Rs / cft)						
Year	Sal	Halanda	M. Mundi	Teak	Bija	Mixed
1995 - 96	133	287	NA	319	NA	102
1996 - 97	259	NA	NA	322	399	NA
1997 - 98	106	214	214	297	235	98
1998 - 99	219	243	193	243	295	121
Source : DM, Commercial Division, OFDC, Berhampur.						

3.2.3.7 The Divisional Forest Officer also conducts local auction of timber of small quantity, which are not acceptable to the OFDC Limited with the twin aim of fast disposal of timber and to meet the local demand. The average price obtained through auctions is presented in the **Table No. 3.18**. It is seen that, local auctions fetch higher price than the price obtained by selling the timber to the OFDC Limited.

Table No. 3.18: **Price Realized In Various Auctions**

Type	1998 – 1999		1999 - 2000		2000 - 2001	
	Quantity Disposed (cft)	Price (Rs / cft)	Quantity Disposed (cft)	Price (Rs / cft)	Quantity Disposed (cft)	Price (Rs / cft)
Sal size	127.64	228.00	12.30	264.00	--	--
Sal logs	24.30	170.00	--	--	--	--
Teak logs	--	--	99.97	299.40	5.00	130.00
Teak poles	17 No.	4.00	33.00	65.00	--	--
Eucalyptus logs	7.66	16.00	17.00	7.00	--	--
Eucalyptus poles	10 No.	5.00	--	--	--	--
Tamarind logs	11.58	52.00	--	--	--	--
Mango logs	35.45	28.00	31	71.00	--	--
Gambhar	22.58	9.00	--	--	--	--
Phasi logs	149.94	45.00	-	--	--	--
Phasi size	23.93	63.00	--	--	--	--
Kasi size	3.00	233.00	--	--	--	--
Kasi plank	--	--	6.00	183.00	3.00	167.00
Bija logs	--	--	18.83	223.00	--	--
Bija planks	--	--	3.83	235.00	2.83	247.00
Mango logs	35.45	28.00	31.00	71.00	--	--
Bahada logs	--	--	--	--	5.00	120.00

Acacia poles	--	--	10 No.	4.00	--	--
Dhau poles	--	--	17 No.	6.00	--	--
Rai logs	--	--	13.50	4.00	--	--
S. Mai logs	13.59	44.00	--	--	--	--

Source : Divisional Forest Officer, Ghumsur (South) Division.

3.2.3.8 It is seen that the price of timber is on the rise. This high price also indicates the amplitude of demand of timber. Even at these high prices, the timber are always in short supply and heavy demand far exceeds the supply and hence the high price.

3.2.4 **Sale of forest products by the OFDC Ltd.**

The Forest produce such as Round Timber, Round Fire wood, Poles and Ballies and Bamboos etc. procured by OFDC from various sources (annual coupe working, salvage operation, deposit works, U.D./OR materials, tenant timber etc.) are disposed as per provision of sale policy approved by it's Board of Directors in their 149th meeting held on dated 08.07.91 and communicated with revision vide Head office Letter No.3017 dated 05.02.1993. As per this policy, the retail selling rate for forest produces were being fixed Division wise and depot wise by the concerned General Manager (Zone).

During formulation of this policy, the rate of royalty was different from Forest Division to Forest Division and royalty discussion was being made at the level of D.F.O, and D.M. for each working year. During 2005-06, the rate of royalty of annual coupes was made uniform for all the Forest Divisions to be decided at the level of P.C.C.F, Odisha and Managing Director. Subsequently, the rate of royalty of irregular lots, was also made uniform throughout the State with effect from 2008-09. In view of adoption of uniform rate of royalty for all forest materials procured by OFDC, a uniform retail selling rate has been approved by corporate office, which facilitates sale up to 35 cft of round timber per family per annum at a subsidized rate. The details of retail selling rate girth class/length class wise, is annexed herewith. Through retail selling rate, a bonafide purchaser concerning to a Division will be eligible to purchase the materials from the said Division.

Keeping in view the need of public in the area under Forest Division having less procurement of timber, a general selling rate has been evolved with the approval of Board of Directors from 15.04.2013, through which a purchaser can purchase the required

quantity of timber from any depot. The retail selling rate and general selling rate of timber by OFDC is furnished at **APPENDIX – XII**.

Sale of Bamboo is governed as per the decision of the Empowered Committee from year to year.

3.3 DEMAND AND SUPPLY OF PRODUCE AND PRESSURE ON FORESTS

The major demand of the people is for large and small timbers, which is used for construction of houses, making of ploughs and other agricultural equipments, wooden furniture. Fire wood for domestic purposes, bamboo (the poor man's timber) for construction and repair of houses and artisans use, brush wood and thorns for fencing of sugar cane cultivated plots and other horticultural gardens are also in demand. The rural people use large volumes of bamboos and brushwood to build hutments with mud plastered wall.

A) Timber - The actual demand of timber by the tenants are mainly Sal and Khair for plough but other species viz., Dhaura, Asan, Arjun are often used in absence of the former two species. Bija and Bandhan are used for bullock/ buffalo cart making. Bija, Teak and Sisoo are also great demand for furniture making. Main timber species used by local people for a variety of purposes are given in the **Table No. 3.19**.

Table No. 3.19: **Principal Timber Species locally used in the Division**

Sl	Botanical Name	Local Nm	Uses
1	<i>Shorea robusta</i>	Sal	Building purposes, cart frame, plough
2	<i>Pterocarpus marsupium</i>	Bija	Doors/window shutters, planks, furniture
3	<i>Terminalia tomentosa</i>	Asan/Sahaj	Building purposes
4	<i>Ougenia ougenensis</i>	Bandhan	Wheels of bullock/buffalo cart
5	<i>Mitragyna parviflora</i>	Mundi	Planks
6	<i>Dalbergia latifolia</i>	Sisoo	Furniture
7	<i>Adina cordifolia</i>	Haldu	Rafter ,Planks, Furniture
8	<i>Gmelina arborea</i>	Gambhar	Furniture
9	<i>Anogeissus latifolia</i>	Dhaura	Axles and plough
10	<i>Choloroxylon swietenia</i>	Bheru	Fancy boxes, Rice paunders. Yokes, Axe
11	<i>Terminalia arjuna</i>	Arjuna	Bark for tanning, rearing of tasar cocoons
12	<i>Bridelia retusa</i>	Kasi	Planks, furniture
13	<i>Soymida febrifusa</i>	Rohini	Rice, paunder
14	<i>Xylia xylocarpa</i>	Kangara	Rafters, purlins
15	<i>Grewia tilifolia</i>	Dhaman	Axe, handle, cross picks, cart-frames.

The demand for large sized timbers has been persistently increasing due to the rise in the living conditions and standards among the people, with the result that the bigger size trees of valuable species particularly Sal, Bija and Kasi are disappearing at a faster pace from the forest.

The timber requirement is quantified in Ghumsur South Division (Pre-reorganized) on the basis of the methodology in report of the Forest Survey of India 1996. The population of Ganjam District is 35,20,151 (2011 Census). The decennial growth rate of population (2011 Census) is 11.37%. The rural population is 2,761,030 & the urban population is 7,59,121 in Ganjam District. Taking the above trends it is presumed that the rural population would be 30,74,959 and urban population 8,45,433 in Ganjam district in the year 2021. The per-capita requirement of timber for different activities like Housing, Furniture and Agricultural implements is calculated, basing on the **Forest Survey of India report 1996**, the projected requirement is provided in the **Table No. 3.20**.

Table No. 3.20 Projected Annual Requirement of Timber in Future.

District	Purpose	Type	Per capita consumption in Cum.	Annual requirement (in Lakh Cum)	
				2011	2021
GANJAM	Housing & allied	Rural	0.04	1.10	1.22
		Urban	0.047	0.36	0.40
	Sub – Total			1.46	1.62
	Furniture	Rural	0.008	0.22	0.25
		Urban	0.015	0.11	0.13
	Sub – Total			0.33	0.38
	Agriculture implement	Rural	0.053	1.86	2.08
		Urban			
	Total requirement			3.65	4.08

B) Fire Wood :- There is acute scarcity of fire wood in both rural and urban areas. The folks manage to obtain firewood by hacking available trees from nearby forest. In urban areas also firewood is used for cooking and as an energy source. By the course of change in living standards the urban dwellers have switched over to alternative source of energy, e.g., Liquefied Petroleum Gas (LPG), Electric heater etc. A group of rural denizens earn their livelihood by constantly supplying firewood to the urban belts by way of illegal removal from the forest. There is uninterrupted stream of cyclist carrying firewood from the forest to the town which exerts severe pressure on the forest. The source of firewood is primarily the forests and secondarily agricultural wastes, cattle dung cakes etc. The fuel wood requirement

of Ganjam district is calculated basing on **Forest Survey of India report 1996**. The projected calculation of annual fire wood requirement is provided in **Table No. 3.21**.

Table No. 3.21: **Projected Annual Firewood Requirement**

District	Type	Per capita consumption (in Kg per Annum)	Annual requirement in Tons.	
			2011	2021
Ganjam	Rural	168	463.85	516.59
	Urban	140	106.27	118.36
	Total		570.12	634.95

C) Fodder :- The Livestock population of Ghumsur South Division is given in the **Table No. 3.22** based on the 17th **Quinquennial Livestock Census 2003** of Ganjam District.

Table No.3.22: **Livestock Population**

Sl. No.	Category of animal	No. of population		Total
		Male	Female	
1	Cattle	377668	459586	837254
2	Buffalo	61088	67254	128342
3	Sheep	43612	98999	142611
4	Goat	61525	154545	216070
5	Pig	3712	6183	9895
	Total Animal Stock:			1334172
Source: District Statistical Hand Book 2009, Ganjam				

The practice of stall feeding of Cattle is far beyond the imagination of the people. The RFs in proximity of villages are subjected to over grazing beyond their carrying capacity. This has eventually resulted in failure of regeneration in most of the forests. Therefore grazing has to be stopped to cause damage to forests. People should be motivated to plant up fodder species and high yielding grasses in consultation with the veterinarians and horticulture personnel. The estimated requirement of fodder for entire bovine population is given in the **Table No. 3.23** basing on the data for consumption by a single animal obtain from **District Veterinary Officer, Ganjam**.

Table No.3.23: **Estimated fodder requirement per day**

Sl. No.	Category	Population	Fodder requirement in MT per day	Requirement of Grazing material Fodder in MT
1	2	3	4	5
1	Cattle	837254	0.025	20931.35
2	Buffalos	128342	0.040	5133.68
3	Sheep	142611	0.0015	213.91
4	Goat	216070	0.0015	324.10
5	Pig	9895	N.A	N.A
Total requirement of Fodder in MT per day:				26603.05

D) Bamboo :- No study of estimation had ever been conducted to assess the removal and consumption of Bamboo by the local people of this division for their house hold and artisan use. The outgoing plan says that the local consumption of bamboos is very high, leading to the disappearance of Bamboo from the Khesra forest and ‘B.’ class reserved forest. The local people collect their requirements from the annual Bamboo coupes marked for the paper mills. The outgoing plan of Sri. P. K. Jha, IFS depicts “the Salia Bamboo grows in most of the forest blocks although not commercially exploitable. Nonetheless, this needs the demand of the local people”. Due to constant hacking and irregular felling by the people without adhering to cutting rules, these clumps had been damaged badly particularly in the forests closed to the human proximity, with the result that many clumps became knotty and congested. Although the paper mill agency/ the O.F.D.C. Limited was working in these forests in separate felling series, the irregular and illicit felling of bamboos by the local people still persists as before.

In absence of definite data (both area wise and quantity wise) on demand making of principles for bamboo cutting may sound hypothetical. Therefore, there needs to make a detailed study of requirement/ consumption of bamboo by local people.

E) NTFP :- Forest are valuable for its variety of Non-Timber Forest Products (NTFP). A tribal life is very much forest oriented and forest dependent. They depend on the forest for all their requirements including food in the form of edible roots, tubers, fruits, mushrooms. They preserve Mahua flower, Kusum, and Sal seeds for rainy days. Kendu leaves and Sal seeds are important source of direct income. The collection of such NTFP is not confined to the

Reserved forests but spread over protected forest and private holdings as well. In fact 60% of the Mahua flowers and Kendu Leaves collection comes from the protected forest areas or private holdings. No study has yet been done to quantify and assess the different NTFP in different forest areas. During the present revision of the plan, attempts had been made to record the commonly available NTFP species while conducting sample point survey and enumeration. Criteria as shown in the table below have been used for presenting the availability status of NTFPs in the different forest blocks.

Criteria for NTFP availability status.		
Sl. No	Plants / 0.1 hc	Availability status
1	More than 80 plants/ 0.1ha.	Abundant
2	Between 40 to 80 plants / 0.1ha.	Good
3	Less than 40 plants/ 0.1ha.	Sparse
4	No NTFP plants available	-----

For sale of NTFP collected local people a price fixation committee, under the chairmanship of Collector of this district, fixes the collection prices of the NTFP items. It is mandatory on the part of the purchasers to pay the prescribed rates to the NTFP collectors after registering with the local Grampanchayat

3. 4. METHODS OF HARVESTING AND THEIR COSTS

3.4.1 Timber

3.4.1.1 The extraction of Timber in the forests of Ghumsur (South) Division has a long past. Departmental working of timber was in practice up to 1936 - 37. Between 1922 and 1923, when the Russelkonda sawmill was in operation, all logs required to feed the mill were being felled and extracted departmentally. A cylindrical Sal logs were being feed to the sawmill at Russelkonda, which was beyond the yield of normal selection coupes. Orders were then issued extending the scope of selective fellings ignoring all silvicultural stipulation and Working Plan prescriptions. The mill was closed down in 1928 but the selection coupes continued to be worked departmentally till sale of coupes to contractors was introduced for the first time in the division in the year 1937 - 38.

3.4.1.2 All timber coupes were sold to contractors by public auction from 1937 - 38. The contractors were allowed on year's time for completion of felling and extraction of timber and firewood produce from their coupes. Khan's Working Plan (1941 - 61) had reported that the change over of the method of exploitation in selection coupes from departmental working to working by contractors proved to be a great success. Not only did it give a higher price, but also saved a lot of time of the range staff, which could be utilized for developmental activities.

3.4.1.3 The contractor system continued up to 1975 – 76. Thereafter the timber working was entrusted to the Orissa Forest Corporation Limited (OFC Ltd.), a Government of Orissa undertaking. The selection coupes are handed over every year to the OFC Ltd. / Orissa Forest Development Corporation Limited (OFDC Ltd.) as per the provisions of Orissa Forest Contract Rules, 1966. The quantity of materials removed and royalty received from the OFDC Ltd. in respect of timber, firewood and bamboo during the outgoing plan period are presented in the **Table No. 3.24.**

Table No. 3.24: Out-Turn and Royalty of Timber, Firewood & Bamboo

Year	TIMBER		FIREWOOD		BAMBOO	
	Out-turn (Cum)	Royalty (Rs)	Out-turn (Cum)	Royalty (Rs.)	Out-turn (SU)	Royalty (Rs.)
2000 – 01	482.70	-	120.00	-	-	-
2001- 02	83.09	-	32.00	-	-	-
2002 – 03	66.66	-	26.00	-	-	-
2003 – 04	95.49	-	266.00	-	3165.57	-
2004 – 05	312.15	-	-	-	7288.07	-
2005 – 06	366.31	-	319.00	-	8756.83	-
2006 – 07	312.68	-	231.15	-	7848.29	-
2007 – 08	343.22	-	496.75	-	4442.39	-
2008 – 09	339.42	-	254.73	-	5342.14	-
2009 – 10	362.29	-	79.60	-	4054.82	-
2010 – 11	336.07	-	109.65	-	6416.00	-
Source : Divisional Forest Officer, Ghumsur (South) Division.						

3.4.1.4 The Government of Orissa imposed ban on felling of trees with effect from 1.10.1990. Since then, no coupe prescribed for felling has been marked and the prescriptions of the Working Plan have been remaining inoperative. The Government lifted the ban and

order for marking of timber coupes for 1999 - 2000, but again issued moratorium on tree felling in the same year. The ban was re-imposed probably because of occurrence of super cyclone during October, 1999. The cyclone had caused considerable damage to the forests. Wind fallen, dead and dry timbers are salvaged departmentally. Salvage of cyclone fallen timbers are also done by the department. The cost of logging, dragging and extraction of wind fallen, dead, dry and cyclone uprooted trees varies widely depending upon the terrain and field condition. The ban on felling was again lifted during 2004-05.

3.4.2 Bamboo

3.4.2.1 The bamboos of the Division have been worked since 1956. The lease for 16 years was granted in favour of M/S Straw Products Limited commencing from 1.10.1956, with the stipulation that in the first year of the lease, the lessee will not pay any royalty, for the next 5 years royalty should be payable at the rate of Rs 1 per 100, for the next 4 years at the rate of Rs 1.50 per 100 and for the remaining 6 years, Rs 2.00 per 100 bamboos. The annual minimum royalty payable had also been fixed. From 1972 to 1988, bamboo working was done through M/S J. K. Paper Mills, Rayagada. The bamboo extraction was nationalized in 1988 and the OFDC was entrusted with the responsibility of bamboo working. It continued until 1993. Thereafter, the OFDC involved RMP (Raw Material Procurer) and bamboo working was done through RMP (M/S J. K. Paper Mills, Rayagada)..

3.4.3 M.F.P. (NTFP)

3.4.3.1 Most of the MFPs were being auctioned to co-operative bodies like TDCC, FMCS or to the private bodies before March 2000. Now, collection of most of the NTFPs and their trading are open to public as per the notification no. 5503/F&E dtd. 31-03-2000.

3.4.3.2 Methods of non-destructive harvest of NTFP

The primary collectors of NTFP should be properly and technically guided to collect the NTFP in non-destructive way. Some of the modalities are discussed below.

- a- As prescribed in the policy, collection of barks and roots which damage the growth of the NTFP tree/ plant and also affect the bio-diversity of the forests shall not be allowed.

- b- Collection of leaves, especially Sal leaves shall not be allowed indiscriminately as it affects the plant growth.
- c- Indiscriminate cattle grazing shall be prohibited.
- d- Plantation of NTFP species, medicinal herb, shrubs is suggested as per the site specific scheme that may be prepared by the Divisional Forest Officer.
- e- The NTFP tree yielding species shall not be felled under definitely dead and uprooted.
- f- The collection of Sal seeds should be strictly prohibited for five to seven years after execution of main felling in the worked out coupe area.
- g- Over exploitation of seeds of NTFP species should be prevented for encouraging natural regeneration.
- h- Collection of specified NTFPs should be done in a rotational manner so that the forests don't suffer from over exploitation of the species.
- i- Pockets of forests where the population of NTFP species is from common to abundant should be strictly prohibited from fire.
- j- The latest technique of collection, drying, storage should be imparted to the beneficiaries.
- k- While collecting the roots of specific NTFP plants complete uprooting should be discouraged and a portion of root should be retained inside the earth so that new shoots will come up.

3.4.3.3 Data on out turn of NTFP in the last Five Years

The data of collection (procurement) of NTFP items in this division is not available neither in the Range offices nor in the Division office.

3.4.3.4 Impact of handing over of 68 items of NTFPs to the Panchayats.

After the notification of the policy on procurement and trade of the NTFP with effect from 31-3-2000, the G.P / Gramsabha in the scheduled areas have the ownership over the MFP produced and collected from Govt. lands and forest lands within the limits of the revenue villages comprising the Grampanchayat. The GPs are to issue a certificate of registration to the registered traders. The dealers registered by the GP will furnish a monthly return to the concerned RO indicating the item of MFP procured /quantity procured and the GP from which the procurement was made. But surprisingly not a single dealer of NTFP has

filed return on procurement in any of the Range Offices of the division as on 2015 although 15 years have passed from the declaration of NTFP Policy–2000.

3.5 LINES OF EXPORT

3.5.1 Roads :- The National Highway No. 5 passes through the Ganjam District from Telidiha at Khurda to Ganjam District boundary to Girisola at Orissa - Andhra Pradesh boundary. The total length of National Highway running through Ganjam District is 86.623 Km. Ganjam District is criss - crossed by State Highways and Major District Roads (MDR) and all weather roads. The major State Highways are State Highway No. 7 (Berhampur - Phulbani), State Highway No. 21 (Nayagarh - Bhanjanagar), State Highway No. 17 (Berhampur - Govindpur) etc. The abstract of the said roads is presented in the **Table No. 3.25.**

Table No. 3.25: **Major Roads of Ganjam District**

Name of the Division	State Highway	M. D. R (km)	O.D.R (km)	Total Km.
Ganjam (R&B) Division No. I	235.5	34.2	181.35	451.07
Ganjam (R&B) Division No. II	139.3	19.0	210.66	368.96
Bhanjanagar (R&B) Division	294.8	105.0	89.95	489.75
TOTAL	669.6	158.2	481.96	1309.78
Source : Superintending Engineer, R & B, Berhampur.				

3.5.2 Forest Roads :- The total length of forest roads in the division is 215 Km. New forest roads are not constructed since 1980. The existing roads are in very bad shape because of non - maintenance. The forest roads that are required for extraction of bamboos are motorable and are being maintained by paper mill. The forest roads leading to timber coupes (of earlier Working Plan) are not negotiable at some places even during summer. Majority of the wooden bridges constructed are broken and the forest becomes inaccessible during rainy season.

3.5.3 Railways :- South Eastern Railway, Howrah - Chennai tract, passes through Ganjam District. Berhampur is the main and nearest railway station from the Division Headquarters. It is 166 km from Bhubaneshwar, the state Capital. The total number of railway stations in Ganjam District is 11 and total railway route length is 80 km. Some of these are Ganjam, Khallikote and Chatrapur etc. It passes through Kodala and Berhampur

ranges of the division. Berhampur is the main railway station for transportation of all types of forest produce.

3.5.4 **Waterways and rivers :-** The rivers are rarely of any use as far as transportation of forest produces are concerned, as they flow through rocky terrain and dries up in summer.

3.5.5 **Port :-** Gopalpur is the major port in this Division which is under the process of qualitative and quantitative up-gradation. There are no reports of any trade of forest produce through this port.

CHAPTER - IV

ACTIVITIES OF FOREST DEVELOPMENT CORPORATIONS IN HARVESTING AND MARKETING OF FOREST PRODUCE, RESULT OF SOCIO ECONOMIC SURVEY

4.1 ORGANISATION, JURISDICTION OF THE OFDC DIVISION AND STAFF STRUCTURE.

4.1.1 The Forests of Ghumsur South Forest Division are being worked by different Divisions of OFDC at different time in the past. Earlier it was being worked by the Berhampur Commercial Division /Aska commercial Division upto the initial years of the twenty first century and now it is being worked by the Bhanjanager (C-KL) Division of OFDC since 2003-04.

4.1.2 Earlier two Sub-Divisions namely Buguda and Surada were functioning to carry out the forest works in the area of Ghumsur (S) Division. Due to dearth of work load Buguda Sub-Division has been abolished and merged with Surada Sub-Division and presently only Surada Sub-Division is executing the works in the forest area of Ghumsur (S) Division. The working of timber was limited to handling of U.D/Salvaged/seized timber and firewood and working of Baghua Irrigation project in Buguda and Kodala Range during 2002-03 and 2003-04 under Berhampur (C) OFDC Division.

4.1.3 One Sub-Divisional Manager is there as Sub-Divisional Head and the Sectional Supervisors, Field Assistants, Watchers and Peons are working under his administrative control. The staff position of Bhanjanagar (C) Division as on February'2014 is furnished at **Table No. 4.1.**

Table No 4.1: **Staff position of Bhanjanagar (C) Division.**

Sl. No.	Category Staff	Sanctioned strength	Present position	Surplus	Deficit
1	Divisional Manager	1	1	0	0
2	Dy. Divisional Manager	1	0	0	1
3	Sub- Divisional Manager	2	0	0	2
4	Dy. Sub- Divisional Manager	3	1	0	2
5	Sectional Supervisor	10	8	0	2
6	Field Asst.	21	33	12	0

Sl. No.	Category Staff	Sanctioned strength	Present position	Surplus	Deficit
7	Section Officer	1	0	0	1
8	U.D. Asst.	4	2	0	2
9	L.D. Asst.	4	2	0	2
10	Accountant	1	2	1	0
11	Jr. Accountant	3	1	0	2
12	Jr. Steno	1	0	0	1
13	Jr. Typist	0	1	1	0
14	Jeep Driver	0	2	2	0
15	Peon	0	11	11	0
16	Watcher	0	30	30	0
17	Bank Sarkar	0	1	1	0
18	T.G.S.	1	0	0	1
19	S.M.H.	1	0	0	1
20	S.M.	3	0	0	3
	Total	57	95	58	20

Steps Taken to Reduce OFDC Man Power.

4.1.4 In order to reduce OFDC man power VRS was introduced in phased manner. So far large number of excess staffs has been given a golden shake hand with handsome package as approved by the OFDC Board.

4.2 EXECUTION OF COMMERCIAL ACTIVITIES

4.2.1 The forest work of all Ranges of Ghumsur (South) Division is being taken up by Sorada sub-division of Bhanjanagar CKL Division. There was no coupe working from 2000-01 to 2004-05. Coupe working commenced from 2005-06 onwards. The harvesting of timber & firewood and bamboo during the year 2005-06 to 2010-11 is furnished at **Table No. 4.2., Table No. 4.3, Table No.4.4, Table No. 4.5, Table No. 4.6 and Table No. 4.7.**

Table No 4.2: **Timber Coupes**

Year	No. of coupes worked	Area in Ha.	No. of trees marked/felled
2000-01 to 2004-05	No timber coupe working		
2005-06	04	1470.52	589
2006-07	04	1408.06	288
2007-08	04	1522.79	383
2008-09	04	1390.95	340
2009-10	04	1200.00	284

Year	No. of coupes worked	Area in Ha.	No. of trees marked/felled
2010-11	04	2197.34	268
2011-12	01	378.14	071
2012-13	04	1825.97	430
TOTAL	29	11393.77	2653

Table No. 4.3 **Bamboo Coupes**

Year	No. of coupes worked	Area in Ha.
2000-01	The OFDC Ltd. did not receive the delivery of Bamboo Coupes.	
2001-02		
2002-03		
2003-04	10	11365.73
2004-05	14	15837.77
2005-06	14	16808.85
2006-07	15	17040.23
2007-08	15	17301.72
2008-09	14	14945.27
2009-10	14	15414.91
2010-11	14	14429.15
2011-12	15	15968.06
2012-13	01	1157.28
TOTAL	126	140268.97

Table No 4.4 **Working of Timber Coupes**

Year	No. of trees marked/felled	Production			Transport		
		Timber in cum	F/W in stack (12'X3'X3')	Poles in nos.	Timber in cum	F/W in stack	Poles in nos.
2k-01 to 04-05	No working of Timber Coupe						
2005-06	589	245.5122	99.50	0	245.5122	99.50	0
2006-07	288	188.5722	108.50	0	188.5722	108.50	0
2007-08	383	228.5934	87.50	0	228.5934	87.50	0
2008-09	340	223.0833	82.50	0	223.0833	82.50	0
2009-10	284	167.8674	64.5	0	167.8674	64.50	0
2010-11	268	209.8453	82.00	0	209.8453	82.00	0
2011-12	71	52.0833	10.00	0	52.0833	10.00	0
2012-13	430	355.0345	65.00	0	355.0345	65.00	0
TOTAL	2653	1670.5916	599.50	0	1670.5916	599.50	0

Table No 4.5 **Handling of Udc/Salvage Timber & F/W**

Year	Quantity taken delivery			Quantity lifted		
	Timber in cum	F/W in stack (12'X3'X3')	Poles in Nos.	Timber in cum	F/W in stack	Poles in Nos.
2k-01	482.7073	120.00	627	482.7073	120.00	627
01-02	83.0921	32.00	0	83.0921	32.00	0
02-03	66.6654	26.00	0	66.6654	26.00	0
03-04	95.4931	266.00	0	95.4931	266.00	0
04-05	312.1523	0	0	312.1523	0	0
05-06	120.8005	219.50	0	120.8005	219.50	0
06-07	124.1056	122.65	13	124.1056	122.65	13
07-08	114.5923	407.25	16	114.5923	407.25	16
08-09	116.4097	184.73	138	116.4097	184.73	138
09-10	194.4213	15.16	154	194.4213	15.16	154
10-11	126.2203	27.65	70	126.2203	27.65	70
11-12	107.6602	39.08	23	107.6602	39.08	23
12-13	83.5746	1.77	63	83.5746	1.77	63

Table No 4.6 **Working of Bamboo Coupes**

Year	No. of coupes worked	Production in S.U.	Transportation in S.U.	Disposal	
				I.B. to paper mill	C.B. to public through auction sale
2k-01	0	0	0	0	0
01-02	0	0	0	0	0
02-03	0	0	0	0	0
03-04	10	3185.00	3185.00	3165.00	20.00
04-05	14	7374.89	7374.89	7196.34	55.71
05-06	14	8756.83	8756.83	8756.83	0.00
06-07	15	7862.63	7862.63	7848.29	8.63
07-08	15	4469.48	4469.48	4442.39	0.00
08-09	14	5383.25	5383.25	5342.14	8.96
09-10	14	4077.93	4057.88	4054.82	17.40
10-11	14	6434.16	6434.16	6416.00	12.44
11-12	15	6370.81	6370.81	6354.60	13.14
12-13	01	8.93	8.93	0.00	8.93
TOTAL	126	53923.91	53903.86	53576.41	145.21

Table No 4.7: **Sale of Timber & F/W through auction of Bhanjanagar (C) Division**

Year	Sale			
	Round timber in cum	Sawn timber in cum	F/W in stack	Poles in Nos.
2k-01	4732.9795	0	0	0
01-02	4434.7684	26.4884	60	192
02-03	1877.6079	53.0254	0	2241
03-04	1148.8061	55.8102	0	161
04-05	3516.9639	91.3233	0	138
05-06	636.9470	51.7615	0	0
06-07	869.4818	27.6188	0	0
07-08	1323.3113	5.2252	0	145
08-09	1504.0689	19.2131	0	163
09-10	2138.7453	27.4022	0	143
10-11	2239.6795	8.8884	0	112
11-12	3240.8271	12.1641	0	136
12-13	3511.4132	2.3585	0	77

4.2.2 The target and achievement of revenue of Bhanjanagar (C) Division is furnished at **Table No. 4.8** and payment of royalty is furnished at **Table No. 4.9**. The rate of royalty and sale of firewood is furnished at **Table No. 4.10 and 4.11**. Disposal of Timber, Firewood and Bamboo through retail sale for bonafide domestic consumption and average sale price of timber, firewood and bamboo of Bhanjanagar (C) Division is furnished at **Table No. 4.12** and **Table No. 4.13** respectively.

Table No. 4.8: **Target and Achievement of Revenue of Bhanjanagar (C) Division**

Year	Target (Rs. in Lakh)	Achievement (Rs. in lakh)	Expenditure (Rs. in lakh)
2k-01	363.28	380.56	142.58
01-02	363.45	336.47	340.29
02-03	157.96	139.32	217.12
03-04	102.46	109.99	140.30
04-05	91.28	76.62	226.06
05-06	150.39	59.81	137.01
06-07	78.21	83.79	183.11
07-08	139.75	145.97	221.57

08-09	144.56	160.68	931.41
09-10	216.66	244.32	170.74
10-11	458.63	350.41	311.81
11-12	616.48	532.13	520.51
12-13	822.40	598.64	701.76

Table No 4.9: **Demand and Payment of Royalty Pertaining to Ghumsur (S) Division**

Year	Royalty demanded (in Rs.)	Royalty paid (in Rs.)
2k-01	0	500000
01-02	0	600000
02-03	9436963	9864397
03-04	703478	0
04-05	281468	0
05-06	1625920	0
06-07	2459622	1624121
07-08	1934917	1911252
08-09	1492694	4728470
09-10	1600433	0
10-11	1465495	1652978
11-12	1099455	2991074
12-13	1652122	2571518
TOTAL	23752567	26443810

Table No 4.10: **Rate of Royalty of UDC/Salvage Timber Of Ghumsur (S) Division**

Year	Species class	Royalty rate girth class wise in Rupees					
		Poles	60 to u/90 Cm	90 to u/120 Cm	120 to u/150 Cm	150 to u/180 Cm	180 Cm & up
2k-01	Special	31	121	196	234	316	
	Ist	30	151	174	226	253	274
	2 nd	28	87	111	133	153	
	3 rd	25	43	63	102	122	
01-02	Special	31	121	196	234	316	
	Ist	30	151	174	226	253	274
	2 nd	28	87	111	133	153	
	3 rd	25	43	63	102	122	
02-03	Special	31	127	206	246	332	374
	Ist	30	153	177	231	258	279
	2 nd	28	88	112	134	155	180
	3 rd	25	43	63	102	122	142
03-04	Special	31	130	210	251	339	
	Ist	30	153	177	231	258	279
	2 nd	28	88	112	134	155	180
	3 rd	25	43	63	102	122	142

04-05	Special	34	130	210	251	339	
	Ist	31	156	181	236	263	285
	2 nd	29	90	114	137	158	
	3 rd	26	44	64	104	124	
05-06	Special	34	134	216	259	349	384
	Ist	31	156	181	236	263	285
	2 nd	29	90	114	137	158	203
	3 rd	26	44	64	104	124	136
06-07	Special	35	138	222	267	359	396
	Ist	31	156	181	236	263	285
	2 nd	29	90	114	137	158	203
	3 rd	27	45	66	107	128	140
07-08	Special	35	160	225	271	364	402
	Ist	31	158	184	240	267	289
	2 nd	29	92	116	139	160	206
	3 rd	27	45	66	107	128	140
08-09	Rs.150/- per cft.-uniform royalty irrespective of all species class and girth class fixed by Govt.						
09-10	Rs.157/- per cft.-uniform royalty irrespective of all species class and girth class fixed by Govt.						
10-11	Rs.167/- per cft.-uniform royalty irrespective of all species class and girth class fixed by Govt						
11-12	Rs.180/- per cft.-uniform royalty irrespective of all species class and girth class fixed by Govt						
12-13	Rs.198/- per cft.-uniform royalty irrespective of all species class and girth class fixed by Govt						

Table No 4.11: **Sale Of Fire Wood In Bhanjanagar (C) Division**

Year	Average retail sale rate of F/W Rs.per Qtl.	Total quantity of F/W sold in MT
2k-01	70	738
01-02	75	631
02-03	80	883
03-04	80	590
04-05	80	1005
05-06	110	618
06-07	110	564
07-08	125	720
08-09	125	734
09-10	175	450
10-11	220	540
11-12	230	726
12-13	235	980

Table No 4.12: **Disposal of Timber, Firewood and Bamboo through Retail Sale for Bonafide Domestic Consumption of Bhanjanagar (C) Division.**

Year	Round timber in cum	Sawn timber in cum	F/W in MT	Bamboo in SU
2k-01	51.4331	3.9378	738	0
01-02	33.8202	3.2872	571	0
02-03	12.0734	2.0933	883	0
03-04	8.2668	2.5313	590	0
04-05	16.8590	11.8140	1005	7.39
05-06	9.8732	8.7642	618	0
06-07	16.9112	3.4505	564	5.71
07-08	5.1914	6.3195	720	26.67
08-09	12.4302	8.9252	734	32.15
09-10	67.8101	7.0975	450	5.71
10-11	84.8101	29.8100	540	5.72
11-12	62.2547	3.4340	726	0
12-13	76.2980	1.7090	980	0

4.2.3 This Division had opened a number of sales outlets at various places for selling of firewood to local people. Due to non viability and dearth of firewood production most of the depots have been closed and presently the following firewood depots are running.

- i) Aska Firewood Depot.
- ii) Bhanjanagar Firewood Depot
- iii) Lalsing Firewood Depot.

4.2.4 Non Timber Forest Produce.

No NTFP item has been collected by this Division except Sal seed, but no Sal seed has been collected in the jurisdiction of Ghumsur (South) Division from 2000-01 and onwards.

Table No 4.13 **Average sale price of Timber, Fire wood and Bamboo (Timber per Cft. in Rs.)**

Species	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	09-10	10-11
Teak	393	333	314	356	286	379	653	744	496	-	1305
Sal	217	197	176	233	259	212	260	290	297	304	378
Sisoo	-	476	414	536	548	520	246	732	732	821	1103
Bija	275	219	302	217	248	246	169	549	511	-	566
Bandhan	297	230	185	-	310	268	222	258	243	199	287

Halanda	-	265	310	313	319	295	397	417	281	409	537
Asan	105	102	105	-	132	138	165	161	198	150	184
Tentala	-	-	-	328	-	-	387	-	278	526	-
Kasi	328	184	222	239	344	227	316	222	-	237	235
Dhaura	127	115	-	-	-	133	178	145	156	199	197
Kendu	-	-	-	-	-	-	245	-	-	-	-
S. Moi	-	-	-	-	-	-	214	-	222	200	261
Jamu	-	-	-	-	-	-	-	-	104	-	-
Sirisa	311	180	213	-	295	-	271	302	263	219	340
Kusum	-	-	-	-	-	-	-	135	-	-	-
Gambhari	139	185	-	-	-	253	-	306	-	-	-
Khaira	-	-	-	-	-	-	-	287	-	-	-
Mango	-	-	-	-	-	-	-	-	-	191	233
Simili	-	-	-	-	-	-	-	-	-	-	105
E.Ptus	30	28	-	-	-	-	-	-	-	-	153
Mahul	-	-	-	-	-	-	-	-	104	-	-
Acacia	84	-	-	-	-	-	-	-	-	-	-
Misc.	64	46	129	96	-	99	51	133	-	124	155

DIVERSIFICATION ACTIVITIES

Table No 4.14: **Plantation taken up by OFDC Ltd. in the Area**

Sl. No.	Name of the plantation	Year of plantation	Status of land	Area in Ha.	Species	Present survival of plants
1	Malati	1979-80	RF	230	Cashew	948
2	Kumarsuni	1979-80	RF	62	Cashew Mix	47 18
3	Tangarai	1979-80	RF	114	Cashew	1045
4	Hatimunda	1980-81	PRF	50	Mix	-
5	Binodia	1980-81	RF	60	Cashew	210
6	Kumarsuni	1980-81	RF	10	Cashew Mix	130 15
7	Malati	1981-82	RF	80	Cashew	1513
8	Binodia	1981-82	RF	18	-	-
9	Ambadaban	1988-89	PRF	80	Cashew Mix	550 37
10	Badadanda	1989-90	PRF	50	Cashew Mix	723
11	Gouduni	1990-91	PRF	60	Mix Cashew	414 140
12	Machhakhai	1990-91	PRF	50	Cashew	328

					Mix	468
13	Ambadaban	1990-91	PRF	60	Cashew Mix	1395 7031
14	Machhakhai	1991-92	PRF	50	Cashew Mix	304 1972
15	Tangarai	1991-92	RF	50	-	-
16	Malijhar	1991-92	PRF	30	-	-
17	Machakhai	1991-92	PRF	10	Mix Cashew	4809 312
18	Ambadaban	1988-89	PRF	65	Cashew	40
19	Tangarai	1989-90	RF	80	-	-
20	Kumarsuni	1989-90	PRF	40	-	-
21	Kumarsuni	1990-91	RF	30	Cashew	22
22	Ambadaban	1991-92	PRF	20	Cashew Mix	436 4610
23	Binodia	1988-89	RF	110	Mix	1691
24	Kumarsuni	1992-93	RF	50	-	-
25	Pipalpanka	1987-88	RF	50	-	-
26	Tangarai	1984-85	RF	100	-	-
27	Raipada	1987-88	RF	70	-	-
28	Panchupandab	1980-81	-	120	-	-
29	Lankagada	1980-81	-	100	-	-
30	Lankagada	1980-81	-	22	-	-
31	Kumarsuni	1980-81	RF	6	Mix	90
32	Hatimunda	1988-89	PRF	50	Cashew	235
33	Chemedi	1988-89	PRF	50	Mix	2458
34	Machhakhai	1992-93	PRF	60	mix	1388
35	Badagada	1992-93	PRF	130	Mix	-
TOTAL:				2217		

4.2.5 There has not been any harvesting of the commercial plantations as yet although these have matured long since. This has given scope for illicit removal by unscrupulous elements.

4.2.6 **Constraint:**

4.2.6.1 There are many constraints under which OFDC Ltd is functioning. Now it is running through financial crisis due to huge financial loss incurred in the past for which OFDC Ltd. is unable to pay the salary to the staff at par with State Govt. Some of the problems that are being faced by OFDC Ltd. are given below.

- (a) The production of timber and fire wood was reduced to a great extent for ban on felling of trees. Consequent upon lifting of ban on felling of trees, only dead, dry and fallen trees are being marked for working w.e.f. 2005-06 and for

working of such coupes the corporation has to incur more expenditure and in turn getting less timber and fire wood.

- (b) After declaration of NTFP Policy'2000 by the state Govt., the management and control of 68 items have been entrusted to Gram Panchayat. Prior to this OFDC was dealing with many of the MFP items.
- (c) The non availability of saw mill at Bhanjanagar has adversely affected the sale of timber at Bhanjanagar.
- (d) The staffing pattern of the OFDC Ltd. was designed keeping in view of the huge working of timber and bamboo coupes, KL, NTFP etc. Now due to dearth of work load these staffs have become surplus.

(**Source:**– The DM, OFDC Ltd., Bhanjanagar (CKL) Division.)

4.3 SOCIO-ECONOMIC STUDY

4.3.1 The plan area i.e. Ghumsur South Division spreads over 10 CD Blocks of Ganjam district. As per the prescription of National Working Plan Code-2004, a detailed study of the Socio-economic condition of the population residing in the plan area is required to be studied. Due to the persisting threats from the Left Wing Extremist (LWE), it has not been practically possible to do the household survey. Suffice it to say that there are 9 Blocks, 46 GPs, 404 Villages in Ganjam District already affected by naxals. The list is given at **Table No. 4.15.**

Table No. 4.15: **No of GPs / Villages affected.**

Blocks	GPs	Villages
Patrapur	1	13
Soroda	19	208
Sheragada	4	6
Aska	1	8
Dharakote	3	50
Bellaguntha	3	13
Bhanjanagr	13	91
Jagannathprasad	2	15
Total	46	404

Source: Comprehensive District Plan 2012-13, Ganjam District

The local denizens coming under the plan area are sceptical to the quarries put to them and don't divulge anything. This being the state of mind, the Socio-economic conditions basing on their reply could not be perused. Therefore the data published by the district administration in the Comprehensive District Plan 2012-13 of Ganjam district has been relied upon to make a broad assessment of the Socio-economic condition.

The data are available for the entire Ganjam District although some information are available CD Block wise. The reporting of most of the information is done for statistical point of view required by the Planning Commission at National Level. Hence no attempt has been made to further segregate the district data.

4.3.2 District background and Profile

4.3.2.1 The modern Ganjam carved out of the Vizag district of Madras Presidency and came into existence on 31.03.1936. The office of the Collector, Ganjam was established in 1794. Ganjam was a part of the then Vizag District of Madras Presidency till 31.03.1936. The district got separated from Madras Presidency and formed a part of the newly created state of Orissa with effect from 1.4.1936. The reorganized district comprises the whole of Ghumusor, Chatrapur and Baliguda divisions, part of old Berhampur taluk, part of old Ichapur taluk, part of Parlakhemundi plains and the whole of Parlakhemundi agency area in the old Chicacola division. As per recent, the 1992 reorganized plan of Ganjam by Government of Orissa, the 7 blocks of Parlakhemundi subdivision were separated and the new district of Gajapati came into being. As such Ganjam at present consists of 3 subdivisions, 22 blocks, 14 Tahasils and 18 urban areas.

4.3.3 Land Holding Pattern

Ganjam has total geographical area of 8206.00 sq.km, having forest area of 3149.9 sq.km and total cultivable area of 434000 ha. The permanent pasture and grazing land comprises 20,000 ha. area out of the total area. The barren and un-cultivable waste land comprises 37,000 ha. area and total fallow land 28,000 ha.

4.3.4 **BPL Categories**

There are 301581 BPL households in Ganjam district which is 55% of the district population and 12% higher to the state BPL composition of 47% as per Panchayati Raj Deptt. Publication. According to the Planning Commission and Census reports Odisha is the poorest state in India, with about 48% of its population below poverty line. This means that approximately 17-28 million people in the state itself are officially living under BPL category. The area with larger population under BPL and the areas under greater influence of the naxalites corroborate each other

4.3.5 **Forestry, Environment and Ecology.**

The forest area of Ganjam district is 28% of the total Geographical Area. The forest area is distributed primarily in Soroda, Kodala, Khalikote, Tamana, Karchutti, Buguda, Tarasingi, Gallery (Bhanjanagar), Dholapita and Durga Prasad blocks and regions. The major forest products are Timber, Bamboo, Tamarind, Mahua, Sal, Resin, Kenduleaves, Siali leaves and Karanja Seeds. The Minor Forest Products in the district are nuts and berries of different types, barks of different trees and edible roots. Scope exists for the processing of raw forest produce that would add value to the finished products. The establishment of relevant industrial units and linkage between collection and processing will increase employment opportunities. Public-Private partnership with welfare motive is highly desirable and forms an integral part of the plan.

4.3.6 **Animal Husbandry**

Livestock sector is highly livelihood intensive. Livestock are inseparable from the lives of weaker sections. This sector is an instrument of poverty alleviation. Livestock serves as employment exchange providing its users daily bread, transport, energy etc. Income from livestock holding is more equitably distributed.

Existing indicators of animal husbandry sector in the district:

Considering a total bovine population of 972966 in the district, both Animal Husbandry and Agro processing have huge potential to supplement income of farmers. The ultimate objective would be to make Animal Husbandry so organized a sector in the district

that it will become the primary source of income for those without land. Further, there are 132 milk societies functioning under the aegis of Great Ganjam Gajpati Milk Union. There are 245 Livestock Aid Centers (LACs) giving services throughout the district. Over 188 LACs are having Artificial Insemination facility. Six milk routes are operating in Ganjam. There are two chilling plants at Berhampur and Aska and seven bulk-cooling units are spread throughout Ganjam. Hatcheries and feed plants are also being established. Such resources provide a good impetus for the expansion of animal husbandry activities.

Goat and sheep rearing augment household incomes in tribal and remote areas. Under SGSY, animal husbandry is being identified as a core activity. Identifying new milk routes in the remote, involving SHG groups and tribals will provide a thrust for future interventions. Critical infrastructural and institutional gaps will be addressed in the Annual Plan and BRGF in the coming years.

4.3.7 Transport

4.3.7.1 Roads

Road transportation is a critical infrastructure for growth. It is equally important to reach remote areas where access by railways is not always possible. While Railways can create “Jump off” point for and to the urban centers, roads whether rural or urban in the district complete the final lap to the actual destination points such as villages and other smaller urban hubs. Ganjam in particular, plays an important role by linking eleven railways stations and important ports such as Gopalpur. Currently Ganjam has 927 km. of important National Highways, State Highways and Major District Roads. The composition in terms of percentage of the above three types of roads to their total is 23%, 67% and 10% respectively.

4.3.7.2 Pradhan Mantri Gram Sadak Yojana (PMGSY)

Continuous efforts have been carried out by the State and Central Government for rural road connectivity over the past years. However, only about 60% of the habitations have some road connectivity. The construction of these roads is not of high quality; hence they cannot be categorized as all-weather roads. Keeping this in view the Government launched the Pradhan Mantri Gram Sadak Yojana (PMGSY) on 25th December, 2000 to provide all-weather road connectivity to unconnected habitations. It is a 100% Centrally Sponsored Scheme. Fifty percent of the Cess on High Speed Diesel (HSD) is earmarked for

this Programme. The primary objective of the PMGSY is to provide connectivity, by way of all-weather roads (with necessary culverts and cross-drainage structures, which is operable throughout the year); to all eligible unconnected habitations in rural areas with a population of thousand persons and five hundred persons and above in the Tribal (Scheduled V) areas. Under this scheme the road network in the district has greatly improved with all-weather connectivity to all most all the G.P Head Quarters.

4.3.8 Demographic Profile (SC)

Ganjam has 18.57% of Schedule Caste population with 586,798 persons. Out of the total Schedule Caste population of the district, 518035 (88.28%) reside in rural areas and 68763 (11.72%) reside in urban areas. The SC Population in the district varies from 2.49% to 5.79% across blocks, produced at **Table No. 4.16**. Less number of SCs found in Belaguntha (2.49%) Block and more SCs found in Purusottampur (5.79%) blocks. The Sex ratio of SC communities in the district found better (1012) compare to other social communities.

Table No. 4.16: **SC Population of 10 CD Blocks**

Sl.	Blocks	Person	Male	Female	Sex ratio	% of SC population
1	2	3	4	5	6	7
1	Aska	24396	12064	12332	1022	18.29
2	Beguniapada	20269	9926	10343	1042	17.94
3	Belaguntha	14631	7065	7566	1071	14.19
4	Buguda	20901	10287	10614	1032	19.58
5	Dharakote	17706	8689	9017	1038	17.44
6	Jagannathprasad	33963	16782	17181	1024	26.23
7	Kavisuryanagar	17853	8821	9032	1024	17.43
8	Polasara	17222	8335	8887	1066	14.68
9	Sheragada	21455	10846	10609	978	18.24
10	Surada	25490	12787	12703	993	20.22

Source: Census 2001

4.3.8.1 Education

There are 42 Schools in the district under SC & ST development Department as per Annual Work Plan, SSA Ganjam. The Scheduled Castes have overall literacy rate is 44.56% as against the overall district literacy rate of 60.77% as per 2001 Census. The SC

male and female literacy rates are 61.93% and 27.61% respectively, shown at **Table No. 4.17**.

Table No. 4.17: Literacy Rate by Sex among SCs across of 10 CD Blocks (Figure in %).

Sl. No.	Blocks	Male	Female	Total	Gender disparity in Literacy
1	2	3	4	5	6
1	Aska	49.5	37.6	43.5	0.59
2	Beguniapada	55.5	24.3	39.9	0.82
3	Belaguntha	50.5	19.8	35.2	0.47
4	Buguda	51.2	20.2	35.7	0.59
5	Dharakote	54.8	26.3	40.6	0.81
6	Jagannathprasad	54.5	24.5	39.5	0.61
7	Kavisuryanagar	52.8	22.7	37.8	0.77
8	Polasara	56.3	28.6	42.5	0.78
9	Sheragada	56.3	25.8	41.1	0.75
10	Surada	57.7	26.7	42.2	0.97

Source: Census of India 2001

It is observed from the table above that gender disparity is lower where literacy rate of female is high. Overall gender disparity index for literacy in rural areas is 1.38 and in respect of your ban area it is 0.64. For the district as a whole (rural + urban), the disparity is 1.24. The district and the state administration have taken this into consideration and initiated actions to reduce disparity by emphasizing more on girls' education.

4.3.9. Demographic Profile (ST)

In Ganjam, Scheduled Tribes comprises 2.88% of the total population of the district. Out of the total Schedule Tribe population of the district, 87311 (96.03%) resides in rural areas and only a small fraction of 3608 (3.97%) reside in urban areas (produced at **Table No. 4.18**).

Table No. 4.18: ST Population of 10 CD Blocks

Sl. No.	Blocks	Person	Male	Female	Sex ratio	% of ST population to total population
1	2	3	4	5	6	7
1	Aska	932	455	477	1048	0.7
2	Beguniapada	2793	1392	1401	1006	2.47

3	Belaguntha	678	329	349	1061	0.66
4	Buguda	1983	1016	967	952	1.86
5	Dharakote	6682	3310	3372	1019	6.58
6	Jagannathprasad	5795	3037	2758	908	4.92
7	Kavisuryanagar	355	160	195	1219	0.35
8	Polasara	3020	1513	1507	996	2.58
9	Sheragada	598	291	307	1055	0.51
10	Surada	12844	6270	6574	1048	10.19

Source: Census of India, 2001

4.3.9.1 Education

There are 42 schools in the Tribal area of the district under SC & ST development department as per Annual Work Plan, SSA, Ganjam. The rate of literacy among STs is 35.54% against the overall district literacy rate of 60.77% as per 2001 Census. The overall tribal male and female literacy rates are 50.22% and 20.65% respectively (shown at **Table No. 4.19**). The tribal female literacy is comparatively lesser than the district female literacy of 46.44%, which needs attention. The overall gender disparity index for literacy is 1.43, in respect of rural areas it is 1.57. While compare with district as well as rural gender disparity among STs, the gender disparity in urban area is in better position (0.33). The district and the state administration have taken this into consideration and initiated actions reduce disparity by emphasizing more on girls' education.

Table No. 4.19: Literacy Rate in % by Sex among STs across 10 CD Blocks

Sl. No.	Blocks	Male	Female	Total	Gender Disparity in Literacy
1	2	3	4	5	6
1	Aska	24.8	18.8	21.8	0.32
2	Belaguntha	25.3	19.8	22.5	1.55
3	Beguniapada	27.7	24.3	26	1.28
4	Buguda	25.6	20.2	22.9	1.53
5	Dharakote	27.4	26.3	26.9	1.08
6	Polasara	28.2	28.6	28.4	0.97
7	Kavisuryanagar	26.4	22.7	24.6	1.33
8	Jagannthprasad	27.2	24.5	25.9	1.22
9	Surada	28.9	26.7	27.8	1.16
10	Sheragada	28.2	25.8	27	1.18

Source: Census of India 2001

4.3.9.2 Landholding Patterns

The land holding pattern among Scheduled Tribes (STs) in Ganjam district is highly skewed. Among all categories the ST marginalized community has least share in land. Large numbers of household have small holdings. They are not in a position to heavily rely on farming as a principal livelihood option. They have slowly but steadily shifted to the category of other workers. More than 56% and nearly 29% belongs to marginal and small category with an average holding size 0.48 ha and 1.39 ha respectively. Overall average holding size for ST is 1.15 ha in the district against the state average of 1.33% (shown at **Table No. 4.20**).

Table No. 4.20: **Class-wise Number and Area of Operational Holding for the ST Population**

Operational Holding Class	Size Groups (ha.)	No. of Operational Holding	Percentage of Operational Holding	Area of Operational Holding (in ha.)	Percentage of Area of Operational Holding (in ha.)	Average holding Size (in ha.)
1	2	3	4	5	6	7
Marginal	Below	31460	74.28	12625	39.02	0.4
Small	1-2ha.	7774	18.36	10487	32.41	1.35
Small Medium	2-4ha.	2712	6.4	7102	21.95	2.62
Medium	4-10ha.	395	0.93	2036	6.29	5.15
Large	above 10	10	0.02	106	0.33	10.6
All Classes	42351		32356		0.76	

Source: Report on Agricultural Census, 2000-01 Orissa (DES, Bhubaneswar)

4.3.10 Per Capita Income

The district per capita income with population base year as 2001 and total Gross District Domestic Product (GDDP) year as 2004-05 was Rs.15,434 per month. The district has shown an average growth rate of 5.88% during the same period. It has also achieved a higher than 4% annual growths (4.45%) in Agriculture and Animal Husbandry sector much ahead of Orissa. Mining and quarrying had achieved above 20% growth rate while forestry is growing under 1% per annum.

CHAPTER - V

FIVE YEAR PLANS

5.1 MANAGEMENT OF FORESTRY SECTOR IN FIVE YEAR PLAN PERIODS

5.1.1 Forestry is a concurrent subject in the Indian Constitution, being under the purview of both the central and state government. Systematic management of forests, began in the mid-nineteenth century. The first forest policy of India enunciated in 1894 focused on commercial exploitation of timber and gave importance to permanent cultivation. The 1952 revision of the policy recognized the protective role of forests and proposed that one-third of the land area of the country be retained under forest and tree cover. The New Forest policy of 1988 focused on environmental stability and maintenance of ecological balance.

5.1.2 Forest Management Planning required for sustainable management of forests is enshrined in the National Forest Policy encompassing the ecological (Environmental), economic (production) and social (including cultural) dimensions. Five interrelated basic issues concerning forestry development in India which were attempted to be addressed during different plan periods are (a) Protect Existing Forests Resources with peoples participation, (b) Improve Forest Productivity, (c) Reduce Total Demand, (d) Strengthen Policy and Institutional Framework, and (e) Expand Forest Area.

5.1.3 One major factor that has contributed to the deterioration of forest resources in the country is the lack of adequate financial resources. Although share of forestry in the plan outlay, has increased over time, it is still small compared to the total outlay ranging from 0.32 per cent in the First Five-Year Plan to 0.94 per cent in the Eighth Five-Year Plan. To fulfill the objective of covering 33 per cent of the country's area by forests and tree cover (NFP, 1988), an annual programme of afforestation and regeneration of 3 million ha is required against the present level of 1.2 million ha/annum. To reach this target, the NFAP (National Forest Action Plan) estimated an annual budget requirement of Rs 39.85 billion as against Rs 16.14 billion made available for the forestry and wildlife sector in 1998/99. This resource gap needs to be bridged by proper allocation of funds and also other innovative measures, including private sector involvement.

5.1.4 The evolving priorities of the National Forestry Policy have also found reflection in the Five-Year Plans of the Government of India as outlined below.

- First and Second Five-Year Plans: Rehabilitation of degraded forests, introduction of economic species, survey and demarcation;
- Third and Fourth Five-Year Plans: Enhancing productivity of forests through plantation of fast-growing species, scientific assessments and modern logging;
- Fifth Five-Year Plan: Large-scale plantation, social forestry and forest conservation;
- Sixth Five-Year Plan: Social forestry and fuelwood reserves to save natural forests;
- Seventh Five-Year Plan: Forest conservation, massive afforestation and wasteland development;
- Eighth and Ninth Five-Year Plans: Preservation of biological and genetic diversity (both flora and fauna), protection of forest against biotic interference, utilisation of wastelands, and promotion of people's participation through Joint Forest Management (JFM).

5.1.5 Forest sector in Orissa plays an important role in the economy, culture and livelihood of a large number of forest dependent poor and it represents a huge economic resource for the State. However, there has been progressive decline in the forest cover in Orissa during the last few decades. The wasteful exploitation is posing potential danger for the economy and environment besides threat to livelihood sector security of millions of forest dependent poor. Massive deforestation is primarily caused by the increase in biotic pressure, and also due to non-response of forest resources to the increased needs of the people. The approved plan outlay of Orissa were not revised from first five year plan 1951-56 to annual plan 1979-80. The 6th and 7th Five Year plans were revised upward and all other Five Year Plans and Annual plans were revised down ward with plan cuts ranging from 16.41% in the annual plan 1990-91 and 29.92% in 8th Five Year Plan.

5.1.6 The journey of the forests and environment of Ganjam district in particular and that of State of Odisha and India in general from the 1st five year plan period 1951-56 to the 11th Plan period 2007-2012, its management , health , fund flow , contribution to the society, keeping an eye to the 1952 and 1988 National Forest Policy are based on the following strategies.

- Strengthening farm forestry and tree plantation in marginal and wastelands belonging to the poor.
- Integrated land-use planning
- Measures to sustain JFM beyond the project period
- Protecting women's usufruct rights and enabling women groups to collect and market non-timber forest products
- Rationalizing policies such as subsidies on government auctions of wood and bamboo to industries, which work against farmer interests and inhibits farm forestry
- Upgradation of forest technology
- Conservation and promoting of bamboo by inter alia classifying it as an NTFP
- Prevention and control of forest fires
- Priority to agroforestry, watershed development, arid areas, wastelands afforestation programmes
- Conservation and development of medicinal plants
- Research and technological development to increase productivity and production of new products along with focus on value addition, improved marketing, export and productive employment generation
- Promotion of coastal shelter belt plantations for prevention of natural calamities

5.2 THE FIRST FIVE YEAR PLAN (1951-52 TO 1955-56)

5.2.1 In first five year plan a sum of Rs. 9.5 crore was spent on forestry programmers in which emphasis was laid on afforestation, forest transport and communication, forest administration and small scale plantation by state governments. Similarly the central government gave priority to forest research, forestry education and wild life conservation. In this decade, the focus was on the Rehabilitation of Degraded Forests (RDF) and the creation of plantations of economically important species. The forest land under private ownership was brought under the State control by taking steps to abolish zamindari system. The State plans provides Rs.104 lakhs for development of forest communications. Various tribes inhabit in the forest areas. The welfare of the tribals and advancement of backward classes have given due importance in this plan. The Indian Board of Wildlife constituted in 1952 and has done constructive work for preservation of wildlife of the country. Odisha achieved 91.82% of the plan allocation in the 1st Five Year Plan.

5.3 THE SECOND FIVE YEAR PLAN (1956-57 to 1960-61)

5.3.1 The total provision for forest development in the 2nd plan was about 27 crores. The Central Government paid special attention to research, education, demonstration, coordination and the States carried out the forest development projects. A provision of Rs.20 crores was made in the Plan for soil conservation. A provision of Rs.65 lakhs was too made in the second Plan for survey, classifying and mapping of about 10 million acres of land in areas, which present special problems. Here main focus was towards afforestation, development of plant species of commercial and industrial importance, increase production of timber and important minor forest products, wild life conservation, improvement in the living conditions of forest personnel, forestry research, extension of new technological facilities and widening the scope of cooperation with the Central Government. Due to these efforts value of major forest products increased from 190 million rupees to 590 million rupees and minor forest products from 69.3 million rupees to 111.3 million rupees during 1951-61. It was envisaged to resort to take short-term measures like "upgrading" inferior or secondary timbers known techniques of plywood manufacture, seasoning, preservative treatment, lamination, and timber engineering. Ornamental timbers can be made to go a longer way by being used as veneers, Chip-boards and hard-boards. As far as the progress of expenditure in Odisha is concerned the state achieved below 90% during the Second Five year Plan.

5.4 THE THIRD FIVE YEAR PLAN (1961- 1966)

5.4.1 The 3rd Five Year Plan provided an outlay of Rs.51 Crores for various development programmes in the states. Some of the important programmes included in Third Plan are (a) Large scale programme for raising Economic Plantation, (b) Village & Extension Forestry, (c) Promotion of methods for increased production, (d) Development of Forest Roads, (e) Development of Minor Forest Produce, (f) Timber treatment (setting up seasoning and preservation plants) and (g) Survey and Demarcation of forest land

5.4.2 Enhancing productivity of forests through plantation of fast-growing species, scientific assessments and modern logging were the thrust areas with a view to get more revenue from forest sector. Planting of quick growing species over 64,000 ha., economic plantation over 2,40,000 ha. of area was done. Survey and demarcation was undertaken over

about 18,000 square miles, 9,000 miles of forest roads were built and about 400 acres of degraded forests were rehabilitated.

5.4.3 In the context of our state, the Third FYP objective to enhance the level of income made the state government to focus on exploiting the forest resources. As part of this steps were taken to identify existing forest resources in the state, plantation of fast growing and commercial species, improved methods of logging farm forestry. One of the major steps during this plan was establishment of Odisha Forest. Development Corporation (OFDC), which aimed at undertaking proper and scientific exploitation of forest resources, promotion of industries based on forest products, encouraging the formation of Forest Labour Cooperatives Societies and assigning these societies to undertake commercial plantations as well. In this plan a sum of Rs. 2.59 crore was spent on forests out of a total of Rs. 21.27 crore, which constituted 12.2 percent of the total plan expenditure towards the sector.

5.5 THE FOURTH FIVE YEAR PLAN (1969- 1974)

5.5.1 Total outlay in Forestry sector in the 4th FYP was Rs92.55 crore. In the forestry sector, the objectives were to increase productivity of forests, to link up forest development with various forest based industries and to develop forests so as to support rural economy. A vigorous programme of economic plantations for industrial and commercial uses was pursued during 1961—69. During this period, plantations of teak, other broad-leaved species, conifers and quick growing species under a new centrally sponsored scheme were raised. One major step during this plan period is the coming into force of the Wildlife Protection Act, 1972 (ammended in 1992).

5.5.2 In the context of Odisha the Fourth FYP gave emphasis on development of minor forest products like sabaigrass, kendu leaf etc. besides taking some components from its previous FYP. It also gave stress on strengthening the human resource engaged in this sector as well as infrastructure development. However, there was a decline in the share of expenditure compared to the previous FYP. This component got a share of Rs. 4.24 crore out of a total of Rs. 39.35 crore²³ was spent on forests i.e. 10.77 percent of the total. The state achieved 112.01% of its target of the plan allocation. The Odisha Forest Act'1972 came into being.

5.6 THE FIFTH FIVE YEAR PLAN (1974- 1979)

5.6.1 The primary objectives in this fifth plan was to take up a dynamic programme of production forestry, which aimed at clear felling and creating large scale man made forests with the help of institutional financing. The targets of demand for industrial wood for the perspective period are consistent with the projections of the National Commission on Agriculture. Development of Communications is also necessary in relation to the optimum exploitation of the available forest wealth in inaccessible areas. Special emphasis was given to develop farm forestry and to improve the degraded forests with the aim of increasing the fuel and timber supply in the rural areas. Programme for Social Forestry and Economic Plantations have been given on priority basis. Adequate provision has also been made for “Project Tiger” and for the development of National Park and for strengthening the research programme in the Forestry sector.

5.6.2 One major step during this plan period is the 42nd amendment to the constitution making protection of environment and wildlife mandatory. Article 48a under the Directive Principles of State Policy and Article 51A (g) of the fundamental duties says that the State shall endeavour to protect and improve the environment and safeguard forests and wildlife in the country and protect and improve the natural environment including forests, lakes, rivers, wildlife and have compassion for living creatures

5.6.3 In Odisha’s context, consolidation as well as scientific management of the forests was the main objective of the Fifth FYP. While the other objectives are almost found to be continuing from the previous FYP period, which include afforestation, enrichment of existing forests, development of communication in the forests and conservation of nature and wild life for scientific study. Much similar to the previous FYPs, the declining trend in expenditure continued in this FYP too. Out of a total of Rs. 52.94 crore, Rs. 4.57 crore was spent, which constituted 8.63 percent of the total²⁴, quite a bit lower than the previous FYP expenditure.

5.7 THE SIXTH FIVE YEAR PLAN (1980- 1985)

5.7.1 During Sixth Five Year Plan an outlay of 692.64 crore rupees was made for forestry development with main objectives for the conservation of existing forests and the launching of country-wide afforestation and social forestry programmes to fulfill three sets of

needs: (a) ecological security, (b) fuel, fodder and other domestic needs of the population; and (c) the needs of village, small scale and large scale industries. The programmes included forest conservation, social forestry, fuel wood, forest labour, forest survey, forest research and people's participation in forest development. The new thrusts included 'tree for every child programme', eco-development force, eco-development camps and agro-forestry programmes. During this period afforestation was made over 21.5 lakh ha. of area. One of the landmark step taken during this plan period is the promulgation of The Forest Conservation Act, 1980 which restricted the transfer of forest land to other uses, a step which was hitherto on the monopoly of the state governments.

5.7.2 It was also felt that the preservation of genetic and species-diversity is essential for the management of the “Eco-system” and for the sustainable utilization of the resources. This helps in a big way for the future survival and development of the people at large. The necessity for constitution of “Biosphere-Reserves” was also felt imperative

5.7.3 From this plan period onwards came the concept of raising forest outside the natural forest through “social Forestry” and various projects were implemented in different states through external funding such as World Bank, SIDA, JBIC(now JICA), United States Agency for International Development and Overseas Development Agency of United Kingdom etc. Besides the concept of managing forest with people's participation gained ground.

5.7.4 In Odisha's context the achievement was 100.12% of the plan allocation. Keeping the objective of development without destruction, the Sixth FYP envisaged the objectives of intensification of efforts for bringing back the ecological balance, massive afforestation programmes, planned land utilization and soil conservation measures leading to more agricultural future, extension organization for effective transfer of technology, and orientation in favour of SC and ST for their economic rehabilitation and subsistence. Thus, the plan provided a systematic approach to address the issue of maintaining an ecological stability by intensifying the methods of plantation as well as welfare of the minorities i.e. the SC and the ST, as forest is an important livelihood activity for them. A decline in the expenditure on forests was again found in this plan. A sum total of Rs. 27.47 crore was spent out of Rs. 337.28 crore, which constituted 8.14 percent of the total, and is lower than the previous FYP expenditure.

5.7.5 Besides The FSI (forest survey of India) came into being to assess forest cover for planning and monitoring purposes. Heitherto the Forest department was functioning under the ministry of Agriculture and w.e.f 1985 the Ministry of Environment and Forest (MOEF) was created and started functioning.

5.7.6 During the Sixth Five Year Plan (1980-85), the outlay of funds for Forestry Development in Ghumsur South Forest Division is furnished below:

Table No 5.1: **Year wise funds allotted in the Sixth Five Year Plan (1980-85)**

Year	Description	Amount (Rs.)
1980-81	Forest consolidation	3000.00
	Plantation (MFP)	1360.00
	Plantation (RDF)	23500.00
	Plantation (MIXED)	89000.00
1981-82	Demarcation of Forest	10000.00
	Plantation (MFP)	600.00
	Plantation (Degraded Forest)	15125.00
	Mixed Plantation	46402.00
	Development of Village Forests	4922.00
1982-83	Demarcation of Forests	13500.00
	Plantation (MFP)	1301.00
	Mixed Plantation	18289.00
	RFW (Forest Planting)	7000.00
1983-84	Maintenance of Plantation	67847.00
	RDF Plantation	25035.00
	RFW Mixed Plantation	167559.00
	RFW Farm Forestry	185917.00
1984-85	Demarcation of Forests	9000.00
	Plantation (RFW Mixed)	196543.00
	Farm Forestry	250043.00

5.8 THE SEVENTH FIVE YEAR PLAN (1985- 1990)

5.8.1 During the seventh Five Year Plan a sum of Rs 1859.1 crore was allotted for forestry development. The basic approach to the seventh five year plan was to build sustainable developments in harmony with environment. One of the major objectives of the

Eco-development programme is the restoration of already degraded Eco-system through practical field schemes such as land reclamation, afforestation, cleaning of water bodies etc

5.8.2 The State Sector schemes of Social Forestry including Rural Fuel Wood Plantation was in operation in 157 Districts during the 7th Five Year Plan to cover all fuel-wood deficit areas. A National Wasteland Board has been established, that formulates perspective Plans and programmes for the management and development of wastelands in the country.

5.8.3 Peoples participation in forestry programme particularly special forestry is must for its success, the viable effective and operational model was evolved.

5.8.4 The landmark National forest policy 1988 was formulated in December 1988 with the principal aim of ensuring environmental stability and maintenance of ecological balance. The Forest (Conservation) Act, 1980 was amended in 1988 to facilitate stricter implementation of the act and to eliminate certain loopholes.

5.8.5 Implementation of the 10 Point National Wildlife Action Plan (NWAP) has been started. The Wildlife Institute of India has published a comprehensive report incorporating a workable biographic classification system.

5.8.6 The Social Forestry Projects, which were initiated in 1981-82 for the period ranging from five to eight years continued in the seventh plan.

5.8.7 In our state, the enactment of Odisha village Forest Rule'1985 formed the basis of involving people in forest management through JFM/PFM/CFM mode, a steep initiated for the first time in the country and widely acclaimed and accepted in the whole country in future. Orissa has been the first State to issue a resolution in regard to joint forest management (JFM) in 1988 for protection of peripheral reserve and protected forests with participation of local people from adjoining villages. The resolution on JFM has been revised from time to time keeping emerging situations in view

5.8.8 Seventh Five Year Plan thrusts upon reorienting the forest policy and forestry practice in Odisha, involving the rural population in the afforestation efforts, upgradation and intensification of the capacity of Forest Department, and expansion and improvement of

forest education and training programmes as well. There was a significant increase in the expenditure on forests in this plan, i.e. out of a total of Rs. 486.80 crore an amount of Rs. 95.30 crore was spent which constituted of 19.57 percent²⁷, a much higher share compared to the previous FYP expenditure. The two consecutive Annual Plans (1990-1992) also showed expenditure much nearer as compared with to the previous plan expenditure. An average of Rs. 67.24 crore was spent out of a total of Rs. 343.83 crore which constituted 19.55 percent of the total ²⁸. Though it was lower than the previous plan but the decrease was insignificant.

5.8.9 During the Seventh Five Year Plan (1985-90), the outlay of funds for Forestry Development in Ghumsur South Forest Division is furnished below:

Table No 5.2: **Year wise funds allotted in the Seventh Five Year Plan (1985-90)**

Year	Description	Amount (Rs.)
1985-86	Mixed Plantation	143499.00
	Farm Forestry	10550.00
1986-87	Demarcation of Forests	3000.00
	Consolidation	3297.00
	Mixed Plantation	15000.00
1987-88	Demarcation of Forests	10400.00
	Raising of Seedlings	28593.00
	Plantation & Sowing	1799.00
	RFW Plantation	15583.00
1988-89	Demarcation of Forests	15000.00
	Consolidation	15000.00
	Farm Forestry	15635.00
	Deer Park in Berhampur University	70000.00
	Black buck Protection Scheme at Bhetanai	20000.00
1989-90	Farm Forestry (Seedling)	14568.00

5.9 THE EIGHTH FIVE YEAR PLAN (1992-1997)

5.9.1 A scheme on Bio-diversity conservation was initiated during 1991-92 to ensure proper co-ordination among various agencies concerned with the issues relating to conservation of biological diversity and to review, monitor and evolve adequate policy instruments for the same. The Conservation of Biological Diversity (CBD) was signed

globally by 168 countries, including India during the Rio-meetings; India has since ratified the convention. During this plan, considerable attention was given to make the pollution control laws more effective and to bring legislation for protection of environment. During the Eighth Plan, a centrally sponsored scheme “Modern Forest Fire control methods in India” was introduced.

5.9.2 In July 1992, the National Wasteland Development Board under the Ministry of Environment and Forests was bifurcated and the National Afforestation and ECO-Development Board (NAEB) was originated while other wastelands were covered under the newly created National waste land development board in the ministry of Rural areas and Employment. Different afforestation related activities were undertaken during the plan period.

5.9.3 Significant changes took place in forestry sector in Odisha during the plan period. The SIDA assisted Social Forestry Project was on the withdrawal stage. The scope of the 1988 JFM resolution of covering peripheral Reserve Forest area in the participation of VLFPC (Village Level Forest Protection Committee) was enlarged in 1990 to include protected forest. This was strengthened by Govt. Resolution in 1993 & again in 1996 and the members of the VSS (Vana Samarakshana Samiti) were given specific rights.

5.9.4 Besides complete moratorium on Green Tree Felling was imposed by virtue of a very bold Govt. order which continued upto 2003-2004. The three forest corporation of Odisha i.e. Odisha Forest Corporation, Similipal Forest Development Corporation & Odisha Plantation Development Corporation were amalgamated into one mega corporation called OFDC (Odisha Forest Development Corporation). In the Bamboo sector the State Govt. ordered to harvest bamboo from the forest through RMP (Raw Material Procurer) and in Ganjam District the M/s J. K. Papermill, Rayagada became the RMP.

5.9.5 During the Eighth Five Year Plan (1994-98), the outlay of funds for Forestry Development in Ghumsur South Forest Division is furnished below:

Table No 5.3: **Year wise funds allotted in the Eighth Five Year Plan**

Year	Description	Amount (Rs.)
1994-95	Demarcation of Forests	5600.00
1995-96	Demarcation of Forests	18000.00
	Fire Line Clearance	18360.00
1996-97	Demarcation of Forests	34000.00
	Raising of Eco Species (Farm Forestry)	21000.00
1997-98	Demarcation of Forests	7140.00

5.10 THE NINTH FIVE YEAR PLAN (1997 to 2002)

5.10.1 The 9th Five Year Plan was finally approved by the NDC on 19.2.1999 i.e. about 2 years after its implementations. The programmes / schemes under the ninth Five Year Plan are generally similar to those taken up during the eighth plan, such as integrated afforestation and eco-development project fuel wood and fodder project scheme, non-timber forest produce scheme, grant in aid scheme, seed development scheme etc. with large focus and improved implementation on the basis of the experience gained during the eight plan. The planning commission had set up a working group to examine the prospectus of leasing out of degraded forest lands to provide entrepreneurs / Forest Corporation. The main term of reference of working group was to assess the economic, social and environmental feasibility of leasing or otherwise making degraded forest land available to the private entrepreneurs / Forest Corporation. The working group has submitted its report and has not recommended leasing out of forest land to the private entrepreneurs either directly or indirectly through Forest Corporation. The main emphasis was given on the participation of people in the management and sharing of usufructs through Joint Forest Management. The involvement of NGOs is also sought for building awareness and acting as an interface. The developments of village in and around the forest areas are also to be given priority. It is also decided to take up the survey and demarcation of existing forest areas during the ninth plan. Efforts will be made to take advantage of various employment generation schemes of Rural Development Department to supplement funds for plantation activities. Emphasis is also laid down on the research aspects like tree improvement, non-timber forest produce, agro-forestry alternative of timber, value addition to the various forest products etc. The efforts will be made to empower the women by ensuring their involvement from micro planning stage to implementation and sharing of the usufruct.

5.10.2 As regards achievement of targets fixed in the revised plan outlays for the 9th five year plan in the state of Odisha, the achievement was 101.05%. In the Ninth Five Year Plan, the major thrust in the forestry sector is afforestation of wastelands and restoration of degraded forests; and in the wildlife sector plan was formulated to protect the natural habitat of wildlife particularly the endangered species. There was a shift in the emphasis in the Ninth FYP and scope was given on adoption of methods for increasing public participation in afforestation programmes, defining a clear and constructive role for the village communities as partners of the forest department. An increasing trend was also found in this plan. A sum total of Rs. 204.56 crore was spent for forestry and wild life out of a total expenditure of Rs. 926.22 crore, which constituted 22.08 percent.

5.10.3 During the plan period two major programmes were put into action namely the National Forestry Action Programme in 1999 under which a comprehensive strategy and long-term work plan for the next 20 years formulated to address the issues underlying the major problems of the forestry sector in line with the National Forest Policy, 1988. Similarly in the year 2000, the National Forestry Research Plan was brought into operation to prioritise and carry out research on various aspects of forestry required for sustainable development.

5.10.4 During the plan period major emphasis was given for plantation activities in this Division. Year wise detailed expenditure is furnished below:

Table No 5.4: **Year wise funds allotted in the Ninth Five Year Plan (1997-2002)**

YEAR	DESCRIPTION	AMOUNT (Rs.)
1997-1998	Raising of Eco Species	3060.00
1998-1999	Demarcation of Forests	12000.00
	Farm Forestry	2500.00
1999-2000	Demarcation of Forests	10000.00
	Promotion and raising of Eco Species	5000.00
2001-2002	NTFP	997000.00
	CSB IAEP	2307000.00
	CRF	597443.00

5.11 THE TENTH FIVE YEAR PLAN (2002 to 2007)

5.11.1 The main objectives of the Tenth Five Year Plan in the forestry sector at the national level are: -

1. Bringing one third of geographical area under forest cover.
2. To address the livelihood needs of the people living adjoining to forest.
3. JFM would be given more thrust for the regeneration of the degraded forest.
4. Efforts would be taken on protecting the natural forests to have a better carbon trading potential to increase the market avenue for forest protection and management.
5. To take sincere efforts to reduce the import of the timber and the timber requirement which would be met from the community land, Private farm lands and degraded lands.
6. It is also decided to merge all afforestation programmes under National Afforestation and Eco-development Board (NAEB) into one scheme called National Afforestation Programme and it would be implemented through Forest Development Agency (FDA).
7. The conservation and protection of the medicinal plants are given priority and the Bio-diesels coming from plants like Jatropha, Pongamia etc. would be promoted to encourage the livelihoods opportunity to the rural masses.
8. Food for work programme would be extensively implemented in the forest pockets to ensure food security and productive employment.
9. Adoption of watershed approach to develop and maintain forest cover.

5.11.2 In our state Odisha, the tenth Five Year Plan envisaged asset creation, institutional and social development to achieve participatory forest management, and protection of existing dense forest. Following strategies were adopted to attain these above mentioned goals:

1. Increasing and enriching forests including bio-diversity and wild life.
2. Generating employment and income opportunities for the local poor particularly tribal, and thus contributing their food security.
3. Increasing production of timber and non timber forest produce through forest extension and crop improvement.

4. Checking soil erosion and improving soil moisture conservation for better Productivity.
5. Motivating the people towards active participation in forest protection and management through VSS and creating awareness on forests in local people.
6. Building capacity of the forest department and village level institutions to take up protection and management of assigned forests. Also fine-tuning and modifying, wherever necessary, forest policy, rules and regulations to make them conducive for joint forest management of assigned forests.
7. Promoting eco-tourism and eco-development in the protected areas.

5.11.3 Unlike the previous plan, a decline in budgetary spending was marked during Tenth FYP. A sum of Rs. 189.61 crore was spent on forestry and wild life out of Rs. 947.02 crore, which constituted 20.02 percent of the total.

5.11.4 In our state the major achievements/incidences in forestry sectors during the plan period are implementation of NAP through the FDA(Forest Development Agency) , thereby accelerating the afforestation activities, Introduction of EPA(entry Point Activities) in forestry sector, Launching of OFSDP(Odisha forestry Sector Development Project) in 14 forest divisions, Restoration of coupe working by OFDC for felling of standing green trees as per working plan prescriptions, Implementation of Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Right), 2006 thereby vesting forest right on the land users etc.

5.11.5 A Medicinal Plants improvement project called as Vanaspati Van Project, has been set up by the ministry of Health, Government of India, at Gandhamardan Reserve Forest in Bolangir district and Bargarh Forest Division. The project area comprises 200 ha of core area where rich floral diversity of medicinal plants is preserved. The project was for a period of five years from 2003- 04 with a financial outlay of Rs.5 crore. Twenty-five villages situated in this area are actively involved in the project implementation.

5.11.6 Review of fund allocation and expenditure during the different plan periods in Odisha reveal that the share of expenditure on forestry and wild life out of total expenditure has been significantly increased from Third to Tenth FYP. There is no such significant variation observed during the eighth to tenth FYP in the state plan expenditure in

Forestry and Wildlife sector. An amount of Rs. 129.28 crore, Rs 151.69 crore and Rs 142.35 crore spent during Eighth, Ninth and Tenth FYP period respectively which constitute 24.16, 25.01 and 24.11 percent of the total plan expenditure in the agriculture sector respectively. However, looking into the expenditure under capital under this sub sector, it shows that there has been an increasing trend over all the three FYP periods i.e. 9.19, 44.14 and 68.94 percent respectively compared to the growth of expenditure under revenue account. Capital expenditure is made mainly on communication and buildings during Ninth FYP whereas social and farm forestry was given priority during Eighth and Tenth FYP periods. Looking into the total plan expenditure (both revenue and capital) during these three plan periods, it is seen that the expenditure in Tenth FYP is less than that of the Ninth FYP. Programmes those would strengthen the livelihood of the forest dwelling communities such as conservation, marketing and commercialization of forest produce have been overlooked in all the three plan periods. Survey and utilisation of forest resources has got least attention in these plan periods.

5.11.7 During the plan period major emphasis was given again for afforestation activities along with creation of shelter belt along sea coast in this Division. Year wise detailed expenditure is furnished below:

Table No 5.5: **Year wise funds allotted in the Tenth Five Year Plan (2002-2007)**

Year	Description	Amount (Rs.)
2002-03	CSB	883000.00
2003-04	B-Economic Plantation	893724.00
	SGRY	681632.00
	Compensatory Afforestation	1202000.00
	Compensatory Afforestation (ANR)	835139.00
2004-05	RSVY	879057.00
	Compensatory Afforestation	1839511.00
	FDA(NAEB)	2350000.00
	FDA(NAEB)(ANR)	7282000.00
2005-06	NFFWP	2796680.00
2006-07	B-Economic Plantation	1194000.00
	12 th FC Grant (ANR)	8026250.00
	B-Economic Plantation(ANR)	1252000.00

5.12 THE ELEVENTH FIVE YEAR PLAN (2007 - 2012):

5.12.1 Ministry of Environment & Forests had an approved outlay of 10,000 crore for the Eleventh Five Year Plan, 2007-12. Annual Plan 2007-08 had an approved outlay of 1,351.00 crore against which the actual utilization amounted to 1,349.73 crore. In 2008-09, it was allocated an outlay of 1,500.00 crore, against which the actual utilization amounted to 1,483.02 crore. Annual Plan 2009-10 had an approved outlay of 1,880.00 crore, reduced at RE stage to 1,650.00 crore under economy instructions, against which the actual utilization amounted to 1,630.69 crore. Annual Plan 2010-11 had an approved outlay of 2,200.00 crore, against which the actual utilization amounted to 2,181.58 crore. In the last year of the Eleventh Plan, the Annual Plan 2011-12 had an approved outlay of 2,300.00 crore, against which the actual expenditure amounted to 1825.44 crore.

5.12.2 Forests not only provide livelihood to the rural poor and create opportunities for wage employment but also plays a key role in maintaining ecological stability and helps in reducing the impact of natural calamities. As per the Eleventh FYP approach paper, the Forestry Sector Development would adopt an approach combining elements of asset creation, institutional development and social development to promote sustainable forest management practices. It would focus on conservation, protection and development of dense forests, regeneration of open forests, afforestation, capacity building of the forest department and promotion of eco-tourism.

5.12.3 India is a party to the United Nations Framework Conventions on Climate Change, the objective of which is stabilization of the greenhouse gas concentrations in the atmosphere at levels that would prevent dangerous anthropogenic interference with the climate system. In consonance with the Govt. of India strategy, the Orissa Climate Change Action Plan Orissa has formulated the State Climate Change Action Plan. The scoping study was undertaken to understand the range of issues. An ambitious undertaking, it covered several sectors including agriculture, fisheries, animal husbandry, energy, forestry, health, industry, mining, transport, urban planning and others.

In Odisha the following projects/schemes were implemented during the 11th FYP .

- Economic Plantations (Rs.1,800.00 lakh)
- Forest Development Programme (Silvi-Cultural Research) (Rs.40.00 lakh)

- Human Resource Development (Rs.40.00 lakh)
- World Food Programme (Rs.174.95 lakh)
- Policy Analysis & Strategic Planning Unit (Rs.0.05 lakh)
- Buildings (Rs.218.19 lakh)
- Strengthening of JFM and Micro planning (Rs. 325.00 lakh)
- Decentralised Nurseries (Rs.625.00 lakh)
- Orissa Forestry Sector Development Project (EAP) (Rs.38,255.00 lakh)
- Maintenance of Forests (12th Finance Grant) (Rs.7,500.00 lakh)
- Integrated Forest Protection (CS: Rs.1,000.00 lakh, SS:Rs. 1,000.00 lakh)
- Wildlife Protection and Conservation Measures (Rs. 341.38 lakh)
- Development of National Parks, Sanctuaries & Nature Reserves (Rs.2500.00 lakh)
- Elephant Management Project (Rs.1250.00 lakh)

5.12.4 During the plan period major emphasis was given for plantation activities in this Division. Year wise detailed expenditure is furnished below:

Table No 5.6: **Year wise funds allotted in the Eleventh Five Year Plan (2007-2012)**

Year	Description	Amount (Rs.)
2007-08	12 th FC Grant	1931000.00
	12 th FC Grant(Bamboo Plantation)	2820000.00
	B Economic Plantation	1124000.00
	B Economic Plantation(ANR)	3258000.00
	12 th FC Grant (ANR)	13848000.00
2008-09	B Economic Plantation	1250000.00
	NBM(Bamboo)	465900.00
	FDA(NAEB)	2245000.00
	B Economic Plantation(ANR)	2808000.00
	FDA(NAEB)(ANR)	13534000.00
2009-10	B Economic Plantation	1349000.00
	OBDP State Plan (Bamboo)	31000.00
	B Economic Plantation(ANR)	636000.00
2010-11	B Economic Plantation	1235000.00
	OBDP (Bamboo) State Plan	209000.00
	NBM(Bamboo)	412686.00
	Compensatory Afforestation(CAMPA)	25800.00
	CAMPA	7326000.00

5.13 ACHIEVEMENTS AND DISCUSSIONS

5.13.1 Massive afforestation work was undertaken in the state of Odisha and the Government has taken several steps to maintain and develop good forest cover. Some development initiatives include afforestation, development of village forests and introduction of social and farm forestry. During 2008-09, 98,738 ha was targeted for plantations of 4.45 crore seedlings. In 2009-10, 91,003 ha block plantations and 133 kilometres (RKM) of avenue plantations were created. In addition the State Forest and Environment Department has finalised its Forestry Vision 2020, the salient features of which are mandates as increased flow of NTFPs and wood, Biodiversity conservation strategies, higher allocations, investment, insurance and incentives for better forest management.

5.13.2 The forestry sector objectives of Odisha of the 11th Five Year Plan are to promote sustainable forest management in the State, with a larger goal of supporting rural livelihoods. The plans support development of forest resources with a focus on conserving, protecting and developing 27,882 sq km of dense forests regenerating and developing 20,196 sq km of open forests, afforesting and reforesting 5,782 sq km of scrub forests, promoting Eco-tourism and Eco-development in protected areas and z Building capacity of the Forest Department and Village Level Institutions to protect and manage the assigned forests.

5.13.3 Orissa Forestry Sector Development Project (OFSDP) OFSDP has been implemented since 2006-07 in 14 forest divisions of 10 districts with the project outlay of Rs.659.8 crore and financial support from JICA. The project aims at restoring the degraded forests and improving livelihoods of local communities by promoting sustainable forest management. The project has undertaken restoration of 1.58 lakh ha degraded forests based on comprehensive area-specific micro plans through 2,024 VSS. The project has four types of block plantation activities: economic plantations, fuel and fodder plantations, bamboo plantations and NTFP plantations. In 2009-10, 9,469 ha of teak plantations and 1,900 ha mangrove plantations were taken up. Up to 2009-10, the project has restored 92,077.5 ha degraded forests out of a total target of 196,650 ha.

5.13.4 Since 2002, the State Medicinal Plants Board (SMPB) functions in close association with the National Medicinal Plants Board (NMPB). During 2008-09, it sanctioned two major projects viz. conservation of Saraca Ashoka and observation of Dasmool species

with an outlay of Rs. 6.38 crore. Besides, SMPB has implemented the medicinal plant service programme in seven districts as a livelihood improvement programme. Kalinga Herbal Fair was organised at places like Berhampur, Bolangir, Baripada, Bhubaneswar etc. to provide trade linkages.

5.13.5 Joint Forest Management (JFM) one of the salient features of the National Forest Policy, 1988 is to associate people actively in protection, conservation and management of forests. Orissa has been the first State to issue a resolution in regard to joint forest management (JFM) in 1988 for protection of peripheral reserve and protected forests with participation of local people from adjoining villages. The resolution on JFM has been revised from time to time keeping emerging situations in view. By the end of 2009-10, 11,511 Vana Samrankhyan Samities (VSS) and 379 Eco-Development Committees (EDC) have been formed in the State for protecting and regenerating forest areas. All families of 10,334 villages where VSS and EDC have been formed are their members.

5.14. PLAN EXPENDITURE IN GHUMSUR (SOUTH) DIVISION

5.14.1 The annual revenue and expenditure of Ghumsur (South) Division from 1940 - 41 (since the creation of the division) until 1999 - 2000 is furnished in the outgoing Plan and it is not repeated here. However the Revenue and scheme wise expenditure for the year 2001-02 to 2012-13 is furnished at **Table No. 5.7**. The flow of fund has increased almost 5-6 times after 2006-07 mainly due to implementation of CAMPA. The assets created are furnished at **APPENDIX – XIII**.

Table No 5.7: Scheme wise Expenditure and Revenue in Ghumsur South Division

(in Lakh Rs.)

Year	Expendi- ture Non Plan	Expenditure State Plan		Expenditure for CSP	Expendi- ture for CP	Total Expendi- ture	Total Revenue
		2406	4406				
1	2	3	4	5	6	7	8
2001-02	89.49	1.87	3.29	0.00	40.13	134.78	103.97
2002-03	21.59	0.7	4.4	0.00	26.89	53.60	24.92
2003-04	1629.47	0.5	8.48	0.10	13.94	10.47	3.36
2004-05	22.34	0.00	8.86	74.17	0.17	32.41	9.30
2005-06	28.47	0.00	6.62	0.92	0.00	36.02	5.86
2006-07	42.07	66.21	22.47	4.93	0.15	135.83	22.31
2007-08	42.02	114.45	38.76	3.11	0.07	198.41	22.31
2008-09	35.72	95.18	44.85	4.28	1.92	181.96	42.43

Year	Expendi- ture Non Plan	Expenditure State Plan		Expenditure for CSP	Expendi- ture for CP	Total Expendi- ture	Total Revenue
		2406	4406				
1	2	3	4	5	6	7	8
2009-10	30.66	87.51	59.00	0.00	2.50	179.67	1.71
2010-11	24.30	114.86	0.00	18.65	0.00	157.50	18.12
2011-12	25.68	139.35	79.86	0.094	0.00	245.00	67.63
2012-13	35.63	172.43	56.07	2.03	0.00	266.16	27.76

CHAPTER - VI

STAFF AND LABOUR SUPPLY

6.1 GENERAL

6.1.1 The division is under the administrative charge of a Divisional Forest Officer in the rank of Deputy Conservator of Forests with headquarters at Bhanjanagar. The Forest Department was reorganized with effect from 01.10.2003 and the cadre strength for all Divisions were earmarked vide Memo No.40100 dated 24.2.2004 of the PCCF, Odisha. The **Table No. 6.1** given below shows the sanctioned strength of posts in the Ghumsur South Division and the staff in position as on 1st February'2014. As could be observed huge vacancies remain in the cadre of front line staffs like Forest Guard and Foresters which affects the smooth functioning of the Division.

Table No. 6.1: **Vacancy position of DFO, Ghumsur South Forest Division**

Sl. No.	Name of the Post	Sanctioned Strength	Staff in Position
1	DFO	1	1
2	ACF	1	1
3	Forest Ranger (Affn.)	1	0
4	Forest Ranger (Enf.)	1	0
5	Forest Ranger (Range)	5	5
6	Dy. Ranger (Check Gate.)	4	0
7	Forester	37	22
8	FEO	2	0
9	Forest Guard (Beat)	85	60
10	Forest Guard (Check Gate)	22	0
11	Forest Guard (Enf/Aff.)	6	6
12	Head Clerk	1	1
13	Junior Accountant	2	2
14	Junior Steno	1	1
15	Senior Clerk	6	4
16	Junior Clerk	9	6
17	Driver (HV)	1	0
18	Driver (LV)	2	2
19	Office Choukidar	1	1
20	Dak Runner	1	1

Sl. No.	Name of the Post	Sanctioned Strength	Staff in Position
21	Bungalow Choukidar	2	2
22	Gate Keeper	21	18
	Total Sanctioned	212	133
23	Forester (<i>Contractual</i>)	0	0
24	FG (<i>Contractual</i>)	0	0
25	Temporary status DLR	2	2
	Grand Total	214	135

6.2 ORGANISATIONAL STRUCTURE

6.2.1 After the structural reorganization of Orissa Forest Department with effect from 01.10.2003 now there 5 Ranges, 21 Sections and 88 Beats. The range wise distribution of executive staff is presented in **Table No. 6.2**. The name of sections and beats Range wise is furnished at **Table No. 6.3**.

Table No. 6.2: Cadre strength of Beat Forest Guard Range wise and actual man in position as on date

Range	No. of Beat as per cadre strength	No. of Section as per cadre strength	No. of Staff in beat	No. of staff in Section	Vacant	
					No. of beat	No. of Section
Aska	16	4	12	4	4	0
Buguda	19	5	14	5	5	0
Surada	19	4	10	4	9	0
Badagada	14	4	8	4	6	0
Polosara	17	4	11	2	6	2
G. Total:	85	21	55	19	30	2
Mobile (Emf./Affn.)	6	4	6	1	0	3
CNG / Spl. / training	22	12	5	2	17	10
TOTAL:	113	37	66	22	47	15

Table No. 6.3: **List of Section and Beat with Forest Block**

Range	Forest Section	Beats	Forest Blocks
Polosara	Polosara	Polosara	Purunapani Daburia DPF
		Sodak	Sodak ‘A’ & Sodak ‘B’ DPF
		Bileijhari	Pandiripada RL & Purunapani Daburia DPF
		Bhabarada (W)	Pandiripada RL
	Kodala	Kodola	Khaladi DPF Jokalundi DPF
		Phasipada	Khaladi DPF
		Athagada	Paika jamuna DPF
	Bhabarada	Bhabarada (E)	Pandiripada RL
		Chhakeipalli	
		Khumula	
		Nadiamba	
		Luniapada	
	Jokabandha	Jokabandha	Pandiripada RL
		Kasipada	
		Raipada	
		Patalasingi	
		Usta	
No. of Section – 4		No. of Beats – 17 Nos.	
Buguda	Buguda	Katakala	Kriamba RF
		Biranchipur	Kriamba RF
		Thanapalli	Solundi RF & Binodia RF
	Balipadar	Balipadar	Sandhachulia RF
		Banapalli	Tangerai RF
		Jiliba	Bishuchakra RF
	Manitara	Chhamunda	Chhamunda RF
		Kumunda	Kadapada RF
		Manitara	Budurungu RF
		B. Karadabadi	Karachuli RF
	Panchubhuti	Panchubhuti	Panchubhuti ‘A’ RF
		Karchuli	Karchuli ‘B’ RF
		Udayapur	Panchubhuti ‘A’ RF
		Samalai	Karchuli ‘B’ & ‘A’ RF
	Bhagabanpur	Bhagabanpur	Kriamba RF
		Mareipalli	Kriamba RF
		Talasara	Kriamba RF
Nuapalli		Kriamba RF	
Hirapalli		Kriamba RF	
No. of Section – 5		No. of Beats – 19 Nos.	
Aska	Aska	Sahaspur	Machhakhai DPF Badadanda DPF Badua PRF Bhumidimiripalli PRF
		Babanpur	Gadagada DPF

Range	Forest Section	Beats	Forest Blocks
		Khandaraballi	Gauduni RF
		Digi	Hatimunda DPF Chemidi DPF
		Singipur	Hatimunda DPF Kantakhhol DPF
	Dharakote	Dharakote	Suliagudia DPF Ambadaban DPF
		Baharpur	Suliaguda DPF Mallijhar II DPF
		Janibilli	Chapudia DPF Mallijhar I DPF Rasibadi DPF
		Khirida	Ambadaban DPF Mallijhar II DPF
	Seragada	Baraingi	Pakidi DPF
		Khandadeuli	Pakidi DPF
		Narendrapur	Pakidi DPF
	Sadangipalli	Sadangipalli	Mallijhar II DPF
		Karadakana	Badagada ‘C’ UDPF
		Badapur	Badagada ‘C’ UDPF
		Gambhariguda	Mallijhar II DPF
No. of Section – 4		No. of Beats – 16 Nos.	
Surada	Surada	Patapalli	Hukuma RF
		Dhepaguda	Dhepaguda RF
		Muliapalli	Bandhagochha RF
		Raipada	Raipada RF
		Hukuma	Dhepaguda RF Hukuma RF
	Asurabandha	Asurabandha	Pipalapanka RF
		Badangi	Mundapita RF
		Dantilingi	Pipalapanka RF
		Sahanaganda	Pipalapanka RF
		Pipalapanka	Dhougaon RF
		Bandhagocha	Bandhagocha RF
	Gazalbadi (S)	Minajadi	Pipalapanka RF Pandakhhol RF
		Ramanabadi	Pandakhhol RF
		Jirakua	Pandakhhol RF
		Adipanka	Pandakhhol RF
	Gazalbadi (N)	Gazalbadi	Pandakhhol RF
		Pajibara	Pandakhhol RF
Gochha		Pandakhhol RF	
Baimela		Pandakhhol RF	
No. of Section – 4		No. of Beats – 19 Nos.	
Badagada	Badagada	Badagada	Badagada ‘A’ UDPF
		Beserabata	-do-
		Binjigiri	-do-

Range	Forest Section	Beats	Forest Blocks
		Srirampalli	Srirampalli PRF
	Dhoupada	Dhoupada	Badagada ‘C’ UDPF & Badagada ‘B’ DPF
		Balarampur	Badagada ‘A’ UDPF & Badagada ‘B’ DPF
		Gangapur	-do-
	Goudagotha	Goudagotha	Goudagotha UDPF
		Merikote	Merikote UDPF & Mahisikhata DPF
		Borada	Badagada ‘A’ UDPF & Merikote UDPF
	Sidhapur	S .Gunduribadi	Raipada RF
		K.Gochha	-do-
		Suramani	-do-
		Lembhakumpa	Raipada RF & Badagada ‘B’ DPF
No. of Section – 4 Nos.		No. of Beats – 14 Nos.	
Total No of sections	21	Total No of beats	85

6.3 THE SEQUENCE OF CHANGES IN THE ORGANIZATION

6.3.1 The Forest Department has undergone several structural changes during the last two to two and half decade. Earlier Forest Divisions were functioning depending upon the extent of Forests, there being more Divisions in the western and southern part of the state and very few Divisions in the coastal Odisha for want of forest cover. Further there were specialized wings in the Forest and Environment department like Afforestation, Social Forestry wing etc having larger jurisdiction. After the reorganization in 2003, this structure was given a go by and smaller Divisions were created to make co termination with the jurisdiction with Revenue Districts. This has failed to achieve the desired result as vacancies were not filled up and the DFO being completely busy in doing coordination work and attending meetings. This is more required to satisfy the ego of the District Administration and Revenue Officials rather than the real requirement in the field. It is high time we go back to the square one and resort to the earlier pre-revised administrative structure and fill up the vacancies at the earliest.

6.4 EXECUTIVE CHARGE

6.4.1 This division was earlier a part of the Ghumsur forests of Ganjam District and was organized as Chatrapur Forest Division in 1938. It was renamed as Ghumsur (South) Division in 1941. Many forest areas were reshuffled during fifties and sixties and

reconstituted in 1965. The detail chronological reorganization of the Forest Division has been dealt at **Para 1.1.1 of Chapter I**. The list of officers who were in charge of this division after independence is presented in the **Table No. 6.4**.

Table No. 6.4: List of Officers who held charge of Ghumsur (South) Division

Sl.	Name of Officer	Period of incumbency	Sl.	Name of Officer	Period of incumbency
1.	Mr. K. M. Mallik	03.01.1945 to 26.06.1948	34	Mr. B. Behera, IFS	30.11.86
2.	Mr. W. D. M. Warren	27.06.1948 to 04.07.1949	35	Mr. A. K. Pattnaik, IFS	01.08.1986 to 15.07.1989
3.	Mr. H. P. Sengupta	05.07.1949 to 01.08.1949	36	Mr. R. N. Behera, OFS - I	10.07.1989 to 20.05.1991
4.	Mr. B. Das	02.08.1949 to 15.02.1950	37	Mr. Vinod Kumar, IFS	21.05.1991 to 09.09.1991
5.	Mr. H. P. Sengupta	16.02.1950 to 03.03.1950	38	Mr. A. Bhartuar, IFS	10.09.1991 to 15.11.1991
6.	Mr. D. Pattnaik	04.03.1950 to 12.07.1951	39	Mr. A. C. Khuntia, OFS - I	16.11.1991 to 08.07.1992
7.	Mr. B .K. Joshi	13.07.1951 to 01.07.1956	40	Mr. A. Bhartuar, IFS	09 07.1992 to 25.07.1992
8.	Mr. C. L. Mohapatra	02.07.1956 to 03.08.1956	41	Mr. Deepak Mohanty, IFS	25.07.1992 to 26.05.1994
9.	Mr. G. K. Das	04.08.1956 to 07.06.1957	42	Mr. T. H. S. Bonney, IFS	27.05.1994 to 21.06.1994
10.	Mr. N. R. Sanyal	08.06.1957 to 28.06.1957	43	Mr. Deepak Mohanty, IFS	22.06.1994 to 10.10.1995
11.	Mr. G. K. Das	29.06.1957 to 25.05.1958	44	Mr. B. L. K. Reddy, IFS	10.10.1995 to 24.11.1995
12.	Mr. N. R. Sanyal	26.05.1958 to 16.06.1958	45	Mr. S. K. Acharya, IFS	24.11.1995 to 07.10.1998
13.	Mr. M. P. Das	17.06.1958 to 29.06.1962	46	Mrs. Uma Nanduri, IFS	07.10.1998 to 16.10.1999
14.	Mr. A. P. Mohanty	30.06.1962 to 28.12.1962	47	Mr. Sashi Paul, IFS	16.10.1999 to 03.03.2000
15.	Mr. S. S. Das	29.12.1962 to 10.12.1963	48	Mrs. Uma Nanduri, IFS	03.03.2000 to 09.08.2002
16.	Mr. T. Das	11.12.1963 to 20.12.1963	49	Mr. Susant Nanda, IFS, Gh. North, I/C	09.08.2002 to 16.09.2002
17.	Mr. S. S. Das	21.12.1963 to 08.07.1966	50	Mrs. Uma Nanduri, IFS	16.09.2002 to 24.12.2002
18.	Mr. S. B. Das, IFS	09.07.1966 to 05.06.1970	51	Mr. G.B.Rout, OFS-II, ACF I/C	24.12.2002 to 14.01.2003
19.	Mr. S. C. Padhi, IFS	06.06.1970 to 22.07.1970	52	Mr. El Yanger Aier, IFS	14.01.2003 to 26.05.2005
20.	Mr. G. G. Das, IFS	23.07.1970 to 26.01.1973	53	Mr. Susant Nanda, IFS, Gh. North, I/C	26.05.2005 to 13.06.2005

Sl.	Name of Officer	Period of incumbency	Sl.	Name of Officer	Period of incumbency
21.	Mr. Ch. G. Mishra, IFS	27.01.1973 to 18.10.1974	54	Mr. El.Yanger Aier, IFS	13.06.2005 to 03.05.2006
22.	Mr. H. P. Sahu, IFS	19.10.1974 to 17.06.1974	55	Mr.A bhay. Kant Pathak, IFS, Bam Divn. I/C	03.05.2006 to 01.06.2006
23.	Mr. C. S. Dani, IFS	18.06.1977 to 24.06.1977	56	Mr. El.Yanger Aier, IFS	01.06.2006 to 26.10.2007
24.	Mr. H. N. Sahu, IFS	25.06.1977 to 30.06.1978	57	Mr. Godavarish Panda, OFS – I, Gh. North, I/C	26.10.2007 to 11.01.2008
25.	Mr. B. K. Mohanty, OFS - II	01.07.1978 to 23.08.1978	58	Mr. Ajaya Ku Jena, IFS, Bam Divn. I/C	11.01.2008 to 07.05.2008
26.	Mr H. K. Mishra, IFS	24.08.1978 to 06.10.1978	59	Mr. Prafulla Ku Mallick, IFS	07.05.2008 to 09.07.2008
27.	Mr. P. S. Rao, OFS - I	07.10.1978 to 20.10.1978	60	Mr. Biswanarayan Mohanty, IFS	09.07.2008 to 26.08.2009
28.	Mr. S. K. Pattnaik, IFS	21.10.1978 to 23.02.1983	61	Mr. Ajaya Ku Jena, IFS, BAM Divn	26.08.2009 to 25.11.2009
29.	Mr. B. C. Prusty, IFS	24.02.1983 to 17.03.1983	62	Mr. Bipin Behari Behera, IFS, Gh. North, I/C	25.11.09 to 25.06.2010
30.	Mr. H. K. Mishra, IFS	18.03.1983 to 17.04.1983	63	Mr. Ramesh Ch Sethi, IFS	25.06.2010 to 16.09.2013
31.	Mr. J. D. Sharma, IFS	18.04.1983 to 26.04.1983	64	Mr. Santosh Ku. Mohapatra, OFS-I (JB) ACF, I/C	16.09.2013 to 07.10.2013
32.	Mr. L. N. Choudhory, OFS - I	27.04.1983 to 31.07.1986	65	Mr. Ranjit Ku. Mallik, OFS - I (SB)	07.10.2013 to Continuing
33.	Mr. A. K. Pattnaik, IFS	01.08.1986 to 29.11.1986			
Source : Divisional Forest Officer, Ghumsur (South) Division.					

6.5 LABOUR SUPPLY AND WAGES

6.5.1 There is abundant supply of labour for forestry operations during lean agricultural season. However, it is difficult to get labour during agricultural season, particularly during seed sowing and harvesting period. A large force of labour is also engaged by paper mills, which works as the Raw Material Procurer (RMP). Owing to this sometimes it is difficult to get labour for forestry work like salvage operation, climber cutting & bamboo silvicultural operation during the bamboo cutting operation. The availability of rice at a price of Rs 2.00 a kilo initially and most recently @ Rs 1.0 a kilo has greatly affected the availability of labourers in the field. Besides Ganjam district is known for having large chunk of women labour force who migrate to urban areas to work in construction sectors, thereby making the scarcity of local labourers more acute in interior forest pockets.

6.5.2 Wage Rate:- Government fix the minimum wage rate to prevent exploitation. This minimum wage rate is revised periodically, keeping in pace with rise in prices and high costs of living. The people of the district are aware and they get the minimum wage rate. The minimum wage rate fixed by Government is presented in the **Table No. 6.5**. The **Table No 6.5(A), (B), (C) & (D)** given below, is the minimum wage rates periodically revised by the Orissa Govt. in Labour Department from 1964 to 2013.

Table No. 6.5: Minimum Wages (Rs./day) from 1969 to 2012
(i) Un-skilled labours.

Sl.	Labor Category	Years					
		1969	1974	1984	1986	1989	1990
1	Male Mulia	2.00	4.00	7.50		11.00	25.00
2	Female Mulia	1.50	4.00	7.50		11.00	25.00
3	Mate		5.00	9.00		12.75	25.00
4	Peon				10.00	11.00	
5	Sweeper				10.00	11.00	
6	Mali				10.00	11.00	
7	Chowkidar				10.00	11.00	
8	Cleaner				10.00	11.00	
9	Majdoors						
10	Watchers						

Table No. 6.5- (Contd.)

Sl.	Labor Category	Years								
		1996	1998	2000	2002	2004	2006	2007	2009	2012
1	Male Mulia	30.00	32.50	40.00	50.00	52.50	55.00	70.00	90.00	150.00
2	Female Mulia	30.00	32.50	40.00	50.00	52.50	55.00	70.00	90.00	150.00
3	Mate	-	-	40.00	50.00	52.50	55.00	70.00	90.00	150.00
4	Peon	-	-	40.00	50.00	52.50	55.00	70.00	90.00	150.00
5	Sweeper	-	-	40.00	50.00	52.50	55.00	70.00	90.00	150.00
6	Mali	-	-	40.00	50.00	52.50	55.00	70.00	90.00	150.00
7	Chowkidar	-	-	40.00	50.00	52.50	55.00	70.00	90.00	150.00
8	Cleaner	-	-	40.00	50.00	52.50	55.00	70.00	90.00	150.00
9	Majdoors	-	-	40.00	50.00	52.50	55.00	70.00	90.00	150.00
10	Wachers	-	-	40.00	50.00	52.50	55.00	70.00	90.00	150.00

(ii) Semi-skilled labours.

Sl.	Labor Category	Years					
		1969	1974	1984	1986	1989	1990
1	Thatcher	--	5	-	--	-	30
2	Painter	--	7	-	--	-	-
3	Polisher	--	7	-	--	-	-
4	Cutter	--	-	12	--	-	-

5	Mistri	--	-	12	--	-	-
6	Plumber	--	-	-	--	12.75	35
7	Blacksmith	--	7	-	--	16	35
8	Helper-Carpenter	--	5	-	--	12.75	25
9	Helper-Fitter	--		-	--	-	25

Table No. 6.5- (Contd..)

Sl.	Labor Category	Years								
		1996	1998	2000	2002	2004	2006	2007	2009	2012
1	Thatcher	-	32.5	48	60	62.5	65.0	80.0	103.0	170.0
2	Painter	36	38.5	48	60	62.5	65.0	80.0	103.0	170.0
3	Polisher	36	38.5	48	60	62.5	65.0	80.0	103.0	170.0
4	Cutter	-	-	48	60	62.5	65.0	80.0	103.0	170.0
5	Mistri	-	-	48	60	62.5	65.0	80.0	103.0	170.0
6	Plumber	36	38.5	48	60	62.5	65.0	80.0	103.0	170.0
7	Blacksmith	-	-	48	60	62.5	65.0	80.0	103.0	170.0
8	Helper-Carpenter	36	38.5	48	60	62.5	65.0	80.0	103.0	170.0
9	Helper-Fitter	36	38.5	48	60	62.5	65.0	80.0	103.0	170.0

(iii) Skilled labours.

Sl. No.	Labor Category	Years					
		1969	1974	1984	1986	1989	1990
1	Carpainter 2 nd Class	--	7.5	--	--	16	--
2	Mason 2 nd Class	--	7.5	--	--	20	40
3	Blacksmith 2 nd Class	--	4.25	--	--	16	35
4	Machanic	--	--	--	--	12.75	--
5	Driver	--	--	--	--	16	40
6	Fitter	--	--	--	--	--	40
7	Plumber	--	--	--	--	--	30
8	Painter 2 nd Class	--	5	--	16	--	--
9	Stone Dresser 2 nd Class	--	--	--	--	--	--

Table 6.5 – (Contd..)

Sl. No.	Labor Category	Years								
		1996	1998	2000	2002	2004	2006	2007	2009	2012
1	Carpainter 2 nd Class	42	44.5	56	70	72.5	75.0	90.0	116.0	190.0
2	Mason 2 nd Class	48	50.5	56	70	72.5	75.0	90.0	116.0	190.0
3	Blacksmith 2 nd Class	--	--	--	70	72.5	75.0	90.0	116.0	190.0
4	Machanic	--	--	--	--	72.5	75.0	90.0	116.0	190.0
5	Driver	48	50.5	56	70	72.5	75.0	90.0	116.0	190.0
6	Fitter	--	42.5	56	70	72.5	75.0	90.0	116.0	190.0
7	Plumber	--	--	--	--	72.5	75.0	90.0	116.0	190.0

8	Painter 2 nd Class	36	38.5	56	70	72.5	75.0	90.0	116.0	190.0
9	Stone Dresser 2 nd Class	42.5	44.5	56	70	72.5	75.0	90.0	116.0	190.0

(iv) Highly Skilled labours.

Sl. No	Labor Category	Years														
		1969	1974	1984	1986	1989	1990	1996	1998	2000	2002	2004	2006	2007	2009	2012
1	Foreman	--	-	15	20	--	--	48	50	64	80	83	85	100	129	205
2	Head Mistry	--	-	15	--	--	--	48	50	64	80	83	85	100	129	205
3	Masons Special	--	8	15	20	--	40	48	50	64	80	83	85	100	129	205
4	Carpainter special	6	-	--	--	--	40	48	50	64	80	83	85	100	129	205
5	Fitter Special	--	-	--	--	--	40	48	50	64	80	83	85	100	129	205
6	Driver HV	--	-	--	--	--	--	48	50	64	80	83	85	100	129	205
7	Mason 1 st Class	6	8	--	20	--	40	48	50	64	80	83	85	100	129	205
8	Blacksmith 1 st Class	--	7	--	--	20	40	--	--	--	80	83	85	100	129	205

CHAPTER - VII

PAST SYSTEM OF MANAGEMENT

7.1 GENERAL HISTORICAL PERSPECTIVE

7.1.1 The Ghumsur (South) Division is created after several reorganizations of the forests of Ganjam District. The forests of Ghumsur (South) Division extends over the area of erstwhile Ghumsur, Sorada, Aska, Dharakote, Khallikote, Athagarh and many other Zamindari states. In 18th Century, the plains of Ghumsur were marshes extending up to the line of low hills on the coast. The first expedition against the Ghumsur Rajas was by the French troops led by the Conte de Bussy in 1757, who speaks of Ghumsur as ‘impenetrable’ and one of the hottest region of Hindustan. In 1766, the British, who had ousted the French, settled down in Ganjam town, at the mouth of Rushikulya, to trade and to exact tribute. It was followed by succession of inconclusive expeditions against the Ghumsur and other Zamindaris. The Ghumsur and adjacent Sorada Zamindaris were annexed in 1836 in an expedition led by Mr. Russell, the founder of Russellkonda town (presently Bhanjanagar) and Commissioner of the Board of Revenue. He wrote “The dammer tree (Sal) grew every where else. It is worthy of remark, that this tree, which, in some places, grows to a great size, has very small branches and few leaves, and that the ground beneath is almost everywhere free from under growth and brambles.” Thus, it may be concluded that forest fires occurred in those days too.

7.2 EARLY MANAGEMENT

7.2.1 Management During 1851 - 1900

7.2.1.1 No records are available with regard to management of forests prior to 1851. A report of 1863, report furnished by Mr. Gamble, the then Conservator of Forests in 1883 - 84 and description made by Mr. Bennett vividly projects the forest management scenario in Sorada and Buguda Ranges of present Ghumsur (South) Forest Division during the period 1851 - 1900. These descriptions elucidate how the forests were being managed recklessly to fulfill the uncontrolled zeal for revenue without paying any heed to sound silvicultural practices and protection measures.

7.2.1.2 The forests were leased to sleeper contractors during the period from 1851 - 1863 with imposition of 'Forest Tax' from the year 1861. Ganjam forests were subject to series of exploitation crusades even 50 years after it came under the administration owing to demand in the market for large timber and quick financial returns i.e. revenue. At the same time, very little amount was spent for management and protection of the forests on the principle of sound silvicultural practices. This very approach to forest management resulted in denudation of vast chunk of forests.

7.2.1.3 Although closure to felling was attempted over six square miles around Sorada and Mujagada Range of present Ghumsur (North) Division in 1863, orders by the Collector were issued to protect the forests from encroachment and Mr. Gamble laid the foundation for proper management of the forests, still then felling of trees for sleeper continued till 1900 ignoring the silvicultural principles. In 1901, systematic fire protection was attempted and felling for large timber was discontinued. Mr. Gamble pressed for the reservation of forest blocks and sent draft notification for 600 square miles of forests to Government. The administration was completely busy in selection, demarcation, reservation and construction of roads and rest houses. The Madras Forest Act was enacted in the 1882. Most of the Reserved Forest blocks included in this plan had been notified during that period under Section 16 of the Madras Forest Act, 1882. Yet, very little attention had been paid to protection and improvement of forests.

7.2.1.4 A detailed history of the Reserved Forests of Ghumsur from 1850 up to 1918 - 19 could be found in Appendix - VI of the 'Working Plan Report for Ghumsur Forests' by Mr. A. A. F. Minchin. The detailed history of these forests from 1850 up to 1930 could also be found in the Appendix - III of the 'Revised Working Plan Report for Ghumsur Forests' by Mr. M. K. Nayar. The history up to 1907 was prepared by Mr. S. Cox; from 1901 to 1912 by Mr. H C. Bennett; from 1913 - 1918 by Mr. A. A. F. Minchin and from 1919 - 1930 by Mr. M. K. Nayar.

7.2.2 The early history of Zamindari forests of Kodala, Aska and Berhampur Ranges are not available until their management was transferred to the Forest Department.

7.3 MANAGEMENT UNDER WORKING PLAN / SCHEMES

7.3.1 S. Cox and F. Cowley - Brown prepared the first regular Working Plan for the Reserved Forests of Sorada and Buguda Ranges in 1903. These Reserved Forests were managed under different Working Plans till 1940. Thus, the result of management of Reserved Forest in Sorada and Buguda Ranges can be studied under the following Plans.

- (i) Cowley - Brown's Plan (1903 - 1915)
- (ii) Minchin's Plan (1915 - 1930)
- (iii) Nayar's Plan (1930 - 1931 to 1939 - 1940)

7.3.2 Fisher prepared the first regular Working Plan for the Reserved Forests of Berhampur Range in 1903. These Reserved Forests were managed under different Working Plans till 1940. Thus, the result of management of Reserved Forests in Berhampur Range up to 1940 can be studied under the following Plans.

- (i) Fisher's Plan (1902 - 1915)
- (ii) Minchin's Plan (1915 - 1922)
- (iii) Supplementary Working Scheme by Wimbush (1920 - 1934)
- (iv) Sahai's Plan (1934 - 1940)

7.3.3 After 1940, the management of Reserved Forests of Berhampur, Sorada and Buguda Ranges have been dealt under one Working Plan. Thus, the result of management of these Reserved Forests after 1940 can be studied under the following Working Plans.

- (i) Khan's Plan (1940 - 1941 to 1959 - 1960) followed by its extension for the period from 1960 - 1961 to 1969 - 1970.
- (ii) Mohanty's Plan (1970 - 1971 to 1990 - 1991) followed by its extension for the period from 1991 - 1992 to 2000 - 2001.

7.3.4 (a) Most of the Zamindari forests and the non-reserved forests of Kodala, Aska, Sorada and Berhampur Ranges had no Working Plans / Schemes except the Working Scheme prepared for management of forests of Dharakote ex - zamindari around the year 1910. However, the result of management of these forests up to 1961 can be studied under the following systems of workings.

- (i) Working under permit and Nistar system (up to 1952)
- (ii) Working under Anchal Administration (1952 - 1957)
- (iii) Working under the Forest Department (1957 - 1961)

(b) Although management of the Ex - zamindari forests and non-reserved forests of Kodala, Aska, Sorada and Berhampur Ranges were transferred from Anchal Administration to the Forest Department in 1957, the first Scheme (1961 - 1980) for management of these forests was prepared by Mr. L. K. Patnaik followed by Late S. Padhi's Scheme (1980 - 1981 to 1989 - 1990 and extended up to 2000 - 2001). Therefore, the result of management of this category of forests can be studied under the aforementioned two schemes.

7.4 MANAGEMENT OF RESERVED FORESTS OF BUGUDA AND SORADA RANGES (1903 - 1940)

7.4.1 F. Cowley Brown's Plan (1903 - 1915) :- The main features of this plan were based on the prescriptions like termination of the permit system, demarcation of plain Sal areas, introduction of special fire protection measures, exclusion of grazing in the demarcated plain Sal blocks and closure of forests during the period of rest. The other prescriptions of the plan were cautious improvement felling in the plains Sal blocks in accordance with certain rules applicable for the Dehradun forests, introduction of coppice coupes in the inferior Sal areas of the plains on a 30 year rotation, working of small bamboo coupes on a five year cycle and closure of the hill forests to working. The plan had also prescribed for procurement of maps of the forest blocks from the Survey of India and to attend to matters like staff, construction of departmental buildings and development of communication.

7.4.2 Preparation of 4" maps were done by the Survey of India for all the Reserved Forest blocks. The system of granting concession to Kondha villagers in lieu of helping the department in fire protection and in other protective works was introduced for the first time with satisfactory results. The other significant events were the sanction of new timber transit rules for Ghumsur Taluk in 1909 - 10 and the closure of Reserves to Sale by permits. Ganjam was selected as one of the districts in which experiment on management of a forest block by Panchayat was to be tried in 1911 - 12. However, such project was not possible.

7.4.3 Results of Working :- The prescriptions of the plan were generally carried out, except the selection felling which was discontinued in 1908 - 09 by general consent. The control forms were maintained. Special care was provided for fire protection. Exploitation

was carried out throughout the period partly by departmental agency and partly through the agency of purchasers and consumers. Construction of roads and buildings commenced during 1851 - 1900 continued and redistribution of Ranges and creation of new ones took place.

7.5 A. A. F. MINCHIN'S PLANS (1915 - 1930)

7.5.1 Interim Plan (1915 - 1919)

Mr. A. A. F. Minchin revised the Working Plan prepared by S. Cowley Brown and the interim revised Working Plan came into force in 1915. The revised plan embodied almost all the prescription of the previous plan. The only outstanding event during the period of this plan was the visit of the Forest Member Mr. H. F. W. Gillman to Russelkonda (Present Bhanjanagar) in 1915 - 16. The Forest Member had desired the Inspector General of Forests to advise the system on which future Working Plans of Ghumsur were to be based, during his visit to Bhanjanagar. There are no records to show whether the advice of the Inspector General of Forests was sought for and rendered by him. Investigations were also started to ascertain the feasibility of establishing a sawmill at Russellkonda.

7.5.2 The Collector and the District Forest Officer made determined efforts in 1917 - 18 to associate people on forest management and a pilot project was initiated in the Sandasulia Reserve. It seemed however that the inhabitants of the neighboring villages regarded the scheme with complete indifference and apathy. The people were not oblivious to the advantage of maintaining forest on the hillsides but had no desire for responsibility. The interim Working Plan provided for extraction of Sal etc. timber from un-reserves of seven Ghumsur Ranges according to a programme. Trees 4' 6" in girth and above were felled departmentally and were converted into sleepers and scantlings. In this respect, the provision of the interim Working Plan was exceeded. Instructions had been received from the Inspector General of Forests to cut railway sleepers urgently owing to the exigencies of the war, which was not the prescription of the Working Plan.

7.5.3 Main Plan (1919 - 1930)

Minchin's interim Plan was subsequently sanctioned in G. O. Ms. No. 2257, Development, dated 7th December, 1921. However, its prescription was treated as approved and began to be applied from April, 1919. The plan covered seven Ranges of the Ghumsur

forests. The outstanding feature of this was the detailed stock mapping of forests. Seven Working Circles were constituted namely; (a) Plains Sal Timber Working Circle; (b) Plains Sal Pole Working Circle; (c) Ravine Working Circle; (d) Selection Working Circle; (e) Lower Hill Fuel Working Circle; (f) Scrub Jungle Fuel Working Circle; and (g) Bamboo Working Circle.

7.5.4 Plain Sal Timber Working Circle :- The Working Circle included all the plains Sal quality I and II areas (in both Mr. Minchin's Plan and in that of Mr. Nayar's I, II, III quality Sal were taken to be those attaining a height growth of 90' - 110', 70' - 90' and below 70' respectively, as against the Dehradun standard of over 110', 90' - 110' and 70' - 90' respectively) were to be worked under 'conversion to uniform' system with a rotation of 60 years, divided into four periods of 15 years each. (It was estimated that quality I Sal would attain a girth of 5' 0" and quality II Sal girth of 4' 3" in 60 years). The periodic block I coupe of the year was to be clear felled and all advance growth in the 'Switch stage' cut back. In periodic Block II 'light improvement fellings' and in periodic block III and IV, 'heavy improvement fellings' were prescribed. In addition, removal of mature trees of 4' 6" girth and above in periodic block II and 4' 3" girth and above in periodic Block III and IV was provided for. The policy prescribed stipulated that all species other than Sal were to be discouraged. For the young crop in the clear felled coupes of periodic block I, a cleaning was prescribed at the age of six months and thinning were prescribed at ages 5, 10 and 15 years. The Working Plan prescribed annual clear fellings of about 123 acres in felling series I and 40 acres in felling series II. The felling series II consisted of areas of Karchuli and Kriamba Reserved Forests of Buguda Range. Improvement felling series II consisted of Pipalapanka Reserves of Sorada Range.

7.5.5 The results of working under Mr. Minchin's Working Plan are given in considerable detail in Paragraph 131 to 165 of Mr. Nayar's Working Plan. Forest administration in Ganjam during this decade was so intimately connected with the working of the Russelkonda saw mill and the obligation of the Forest Department to keep the mill supplied with first class Sal logs was so binding that Mr. Minchin's prescriptions scarcely received a fair deal. Between 1919 - 20 and 1922 - 23, every attempt was made to follow closely the Working Plan prescriptions, but with the starting of the saw mill in 1922 - 23 it was found that mill would accept nothing but first class sound Sal logs and that logs of the quality and quantity required could not be obtained from the annual coupes alone and hence

deviations began to be made from Working Plan prescriptions, in most cases without proper sanction. Coupes due for felling in later years were worked in advance to keep the mill supplied with logs. The discretion in the matter of exploitable girth given to the Marking Officer in selection coupes was abused, and immature trees began to be felled over. The matter finally reached its climax when in 1924 the Chief Conservator of Forests, ordered that “every tree which is fit for the mill should be felled irrespective of any other consideration”. Armed with this deadly weapon and throwing to the winds whatever qualms they had and whatever hesitation they felt before, the District Forest staff intensified their exploitation crusade and cut down every sound Sal tree they could lay their hands on within an economic (and even uneconomic) distance of Russelkonda. Such a thing, of course, could not last, and it did not. All sound timber within reasonable distance of Russelkonda was soon exhausted and whatever little was left standing in the more inaccessible areas could not be exploited at a cost any thing like what the mill paid as the price of logs. The crash came and mill was finally closed down at the end of June, 1928. However, by that time all the reserve within reasonable access of Russellkonda were completely depleted of sound trees down to 3’ 6” in girth. All that was left was immature stuff with a sparse overwood of unhealthy and unsound trees.

7.5.6 The conversion fellings prescribed gave good results. It is stated that young healthy crops sprang up. Though not prescribed the coupes were actually burnt over after clear felling in order to get rid of felling debris. The improvement felling prescribed for periodic blocks II, III, and IV were not a success. The fellings carried out under ‘improvement felling’ were so heavy that after the operations were over, the coupe presented the appearance of a coppice with standard coupes. The stems left standing did not respond much to the treatment. ‘Improvement fellings’ were discontinued from 1924 under orders of the Chief Conservator.

7.5.7 The method of regeneration evolved by Mr. Minchin had produced amazing degree of success. The prescriptions followed were; (a) Clear felling of the main tree growth of the year’s coupe and removal of all logs, branch wood and rubbish before 15th February, for the growing season of Sal commences about then. The soil surface was to be cleared up so that there is nothing to impede the new Sal shoots; (b) Between 15th February and 15th March, all advance growth of Sal in the ‘switch stage’ or seedling stage to be cut back flush to the ground.

7.5.8 **Plains Sal Pole Working Circle:-** The Plains Sal Pole Working Circle included all quality III (Dehradun Quality IV) Sal areas to be worked under simple coppice on a rotation of 25 years. Out of nearly 33,000 acres of quality III Sal area; the Working Plan allotted 18,359 acres, to seventeen different felling series. The remaining area of 14,844 acres was left unallotted to be worked at the discretion of the District Forest Officer. It was estimated that a rotation of 25 years would produce poles of average 1' 8" girth. A sixth year thinning was prescribed in the young crop. Thinnings were also prescribed for the older coupes felled under the previous Plan. The area worked from 1919 - 20 to 1929 - 30 in the relevant Ranges for this Working Plan was 1741 acres for Buguda and 1820 acres for Sorada Ranges.

7.5.9 Only one third of the area prescribed was actually worked. Several coupes were wrongly marked in the control maps. Some of the coupes were over felled. There was keen demand for coupes situated in accessible localities. Some coupes fetched very low price because of wrong marking in the field. No standards were kept. It would have been preferable to retain some standards for production of seed and bigger timber. The rotation was 25 years, which was certainly too short.

7.5.10 **Ravine Working Circle :-** The Ravine Working Circle included all good quality hill side Sal forests to be worked under 'conversion to uniform' system with a rotation of 80 years (estimated average girth at 80 years being about 4' 9" to 5' 0"). The method of regeneration was the same as that for plains Sal timber Working Circle except that where Sal advance growth is 'Switch stage' was deficient, artificial planting with suggested species was prescribed. In periodic Blocks other than periodic Block I, 'heavy improvement fellings' and removal of mature timber were prescribed.

7.5.11 The results of conversion fellings were far from satisfactory. Clear felling irregular forests in remote and inaccessible areas involved frightful waste of immature trees and poles. The cost of stocking the areas with natural regeneration was high, and of artificial regeneration by planting up areas with selected species like teak and *Gmelina*, prohibitive. Owing to their remote situation, it was difficult to induce contractors to buy these coupes, particularly when the bigger trees were already previously removed for the sawmill. As a result, only about half the area prescribed was actually worked. For economic reasons alone,

apart from difficulty of regenerating them, clear felling forests of this kind was a step in the wrong direction. The policy of artificially planting up Sal areas with teak was a wrong one. Sal was a valuable species though not as valuable as teak, the locality concerned was a natural habit for Sal and not of teak and the cost of artificial planting was high. In the circumstances, the policy could hardly be expected to be economically sound. The improvement fellings in periodic Blocks II to IV proved a failure in the areas dealt under Ravine Working Circle. It was difficult to induce contractors to buy 'Improvement coupes'. Departmental fellings were uneconomic and therefore, by the end of 1923 - 24, large arrears had accumulated. Improvement fellings were thereafter discontinued under orders of the Chief Conservator.

7.5.12 ***Selection Working Circle :-*** The Selection Working Circle, included some 391 square miles of main hill forests on a 20 year cycle. Mature timber (diameter or girth limit not specified but left to the discretion of the District Forest Officer and the Marking Officer) was to be removed, where this could be done economically. No tending or cultural operations were prescribed except that creeper cutting was to be done along with marking.

7.5.13 The exploitable size of the mature trees was not fixed definitely. It was suggested that some qualities of Sal mature at 3' 6" in girth and others at 6' 7" in girth. Within these limits, the marking officer was required to exercise his judgement. In the heat created by the operation of the saw mill, however, not only was this discretion thrown to winds and every sound Sal trees down to 3' 6" were cut and removed from the coupe of the year, but with increasing difficulty experienced in keeping the mill supplied with logs of the kind required, these fellings were extended first to coupes down from for marking in subsequent years and finally to every other part of the reserve irrespective of silvicultural requirements and Working Plan prescriptions. Selection fellings carried out up to 1928, therefore, were nothing more or nothing less than 'mill felling' carried out with the one and only object of feeding the mill with its requirements of timber.

7.5.14 ***Lower Hill Fuel Working Circle :-*** The Lower Hill Fuel Working Circle included inferior and irregular hill forests of the lower hill ranges. This Working Circle was prescribed for working on a 25 year of rotation of simple coppice. No tending or cultural operations were prescribed.

7.5.15 The demand for fuel was being very largely met from the Plains Sal Pole Working Circle. Therefore, the need to open fuel coupes arose only in very few places of Buguda Range. The term 'Lower Hill Fuel' had created some confusion. The Working Circle covered the lower hill forests as distinguished from the higher hill forests of Selection Working Circle. However, the meaning was extended to apply to lower slopes of any kind of hill forests. This had led to the creation of lower hill fuel coupes opened in the Selection forests of Kriamba and in the scrub jungle hill of Kadapada. These deviations did not receive proper sanction. No tending was done.

7.5.16 **Scrub Jungle Fuel Working Circle :-** The Scrub Jungle Fuel Working Circle included scrub jungle in outlying and isolated hills of Russelkonda and Buguda Ranges. It was prescribed for working on a 20 year rotation of simple coppice. The District Forest Officer was given the liberty to open coupes wherever desirable up to a maximum of 250 acres a year.

7.5.17 The arrangement of the felling series was far from satisfactory. The contractors were compelled to fell all the bamboo growing inside the fuel coupes. This had led to decrease in the demand of bamboo. In many instances, the number of coupe and the area shown on the coupe stones were incorrect. The crops did not receive any special tending.

7.5.18 **Bamboo Working Circle :-** Parts of Buguda and Sorada Ranges were included in this Working Circle on a 5 year felling cycle. No special silvicultural rules were considered necessary to protect the bamboo and the District Forest Officer was at liberty to open new cutting series and fix the size of the coupes.

7.5.19 No felling rules were prescribed. Actually, bamboos were extracted from the parts of coupe that were comparatively more accessible. The exploitation was irregular and in most cases incomplete.

7.5.20 All the works done, out turn, expenditure, revenue etc. in each year were to be concentrated in one control journal. However, no definite control forms were prescribed. A control journal had been maintained for each Working Circle and in it all sorts of information were entered without any arrangement. Many entries were incomplete and incorrect. The

control journal did not provide an effective means of watching the progress of the works from year to year.

7.5.21 Stress was laid on the necessity of comprehensive fire protection, better quality Sal areas and young crops of all Working Circle being rigidly protected. The cost of fire tracing the enormous length of block lines surrounding unfelled Sal areas was large and it was doubtful if the cost commensurated with the results obtained.

7.6 M. K. NAYAR'S PLAN (1930 - 1931 TO 1939 - 1940)

7.6.1 Mr. Minchin's Plan was revised by Mr. Nayar and the revised Plan came into operation from the year 1930 - 31. The main objects of the management of this Plan were:-

- a) to provide for the interests and needs of the local population;
- b) to improve the forests by the silvicultural treatment of the present crop and by protection against injuries;
- c) to maintain and increase the productivity of the soil;
- d) to aim at a sustained yield and to obtain the highest possible net return per acre per annum in perpetuity;
- e) to prevent erosion and regulate the water supply; and
- f) to preserve the wild fauna of the forest.

7.6.2 In this Plan, forests were managed under eight Working Circles namely, (a) Plains Sal Timber Working Circle; (b) Plains Sal Pole Working Circle; (c) Ravine Working Circle; (d) Selection Working Circle; (e) Fuel Working Circle; (f) Bamboo Working Circle; (g) Minor Produce Working Circle and (h) Grazing Working Circle.

7.6.3 ***Plains Sal Timber Working Circle :-*** The treatment prescribed for the plains Sal forests of first and second qualities was the high forest clear felling system with natural regeneration from Sal advance growth with the rotation of sixty years. The periodic Block system and the improvement fellings adopted in the Minchin's Plan were discontinued. The yield was to be regulated by area. Parts of Kriamba, Karchuli, Hukuma, Bondhagocha, Pipalapanka, Dhaugam, Dabuki and Pondakhhol Reserved Forests formed the annual coupes of felling series II of this circle. Fellings or removals were strictly prohibited after 15th February. The debris was to be burnt and cutting back of Sal advanced growth was

recommended before 15th March for regeneration. This Plan prescribed for cleaning in the first and second year, climber cutting in the fourth year and thinning in the eight and thirteenth year. Grazing was prohibited over the entire Working Circle.

7.6.4 The working of the Plains Sal Timber Working Circle had left well stocked, healthy and uniform young crop of Sal with least scope for damage on account of future accidental outbreak of fire. Nevertheless, this had costed the department considerable sum and a loss of increment in respect of well grown saplings and poles. In short, the results obtained were hardly worth the money it costed. The frequent cleaning prescribed was redundant. Khan comments, “It was not a wise policy to condemn every other species only because it was not Sal”. Too much preference was given to Sal regeneration of ‘Switch origin’ as compared to that of coppice origin. The rotation of 60 years fixed was too short because it was not possible to get Sal crop of average girth of 4’ 3” at the age of sixty years in this type of forests.

7.6.5 **Plains Sal Pole Working Circle :-** The third quality Sal forests of the plains constituted the Plains Sal Pole Working Circle. Simple coppice with the rotation of 40 years was the silvicultural system followed. Sal was selected as principal species for regeneration. Regeneration was expected from cut back advance growth or from coppiced stools below 4’ in girth at the ground level. Yield was to be regulated by area. Cleaning was prescribed in the 3rd year where as thinning in the 15th and 25th years. Grazing and quarrying were prohibited and charcoal burning was encouraged.

7.6.6 The result of working overall was a success. Khan reports, “Valuable species other than Sal should not have been ignored as they actually were.” The first thinning prescribed at the age of 15 years was late. The rotation of 40 years was short.

7.6.7 **Ravine Working Circle :-** The first and second quality Sal of ravines constituted the Ravine Working Circle. Sal was the predominant species. The regeneration of the Sal was irregular and patchy. Two felling series were formed, of which, the felling series II covered the natural forests of Buguda and Sorada Ranges. The forest was worked under high forest clear felling system with natural regeneration from Sal advanced growth. Rotation was kept at 80 years and yield to be regulated by area. The periodic Block system followed under Minchin’s Plan was abolished and all the improvement fellings in periodic Blocks

other than periodic Block I was discontinued. The system followed was clear felling in the periodic Block I followed by regeneration. The cleaning and thinning schedules, measures of fire protection and grazing control were identical with that of Plains Sal Timber Working Circle.

7.6.8 Results of working of this Circle were unsatisfactory. Clear felling of the areas and intensive cultural operations were found to be economically unsound. The rotation of 80 years which was supposed to produce 5' 0" girth trees was found to be too short.

7.6.9 **Selection Working Circle :-** 'Mixed hill forests', 'Broken ground of the reserves containing the mixed hill forest' and 'unworked quality III plains Sal of the reserves, containing the mixed hill forests' constituted the Selection Working Circle. Portions of Kriamba of Buguda Range and Pipalapanka, Bondhagocha and Pondakhol blocks of Sorada Range were treated under the Selection Working Circle. Enumeration was done for the selection coupes that were to be worked during 1930 - 31. Selection system was followed and regeneration was expected from the advanced growth. Felling cycle was kept at 20 years. A breast height girth of 4' 6" was fixed arbitrarily as the minimum exploitable girth without any elasticity. Yield was to be regulated by area and the annual coupes were marked in the maps. Detailed marking rules were prescribed. The forest was kept open to grazing and quarrying but under complete fire protection.

7.6.10 No provision was made for necessary silvicultural operations aimed at crop improvement. No improvement fellings were either prescribed or carried out nor any cleanings done after the main fellings were over. Operations in selection coupes were thus pure exploitation fellings without any attempt for improvement of condition of future crops.

7.6.11 **Fuel Working Circle :-** 'Mixed hill forest', 'Scrub jungle' and 'Broken ground of the reserves containing the mixed hill forest and scrub jungle and also of other reserves, which were not allotted to the Selection Working Circle', were included in the Fuel Working Circle. These forests were mostly composed of mixed deciduous species of inferior quality and bamboos. The forest was to be worked under simple coppice system with rotation of 25 years, which was expected to produce trees of 1' 6" to 2' in girth fit for firewood. Yield was to be regulated by area. Selection of coupes was left at the discretion of the District

Forest Officer. Regeneration was expected from coppiced stools. Worked coupes were to be temporarily closed to grazing for a period of five years after felling.

7.6.12 The rotation for the Fuel Working Circle was 25 years, which was too short as no standards were retained. During the first few years of its life, the young crop in the fuel coupes of scrub jungle formed an impenetrable mass of mixed species, bamboos and thorns.

7.6.13 **Bamboo Working Circle :-** The Bamboo Working Circle overlapped the forests of Plains Sal Timber, Ravine, Plains Sal Pole, Selection and Fuel Working Circles. The system of working was felling of selected culms from the clumps with a felling cycle varying from three to five years depending on the extent of availability of the bamboos. Parts of Karchuli and Kriamba blocks of Buguda Range and Raipada, Pipalapanka and Pondakhhol of Sorada Range were included in this Working circle. No special silvicultural rules were prescribed.

7.6.14 In 1932 - 33, cutting rules were introduced through the medium of contractor's agreements, which provided for the retention of 2 to 5 older culms in each clump in addition to the clumps of the current year. These rules were not strictly enforced. Accessible clumps in the coupes were exploited completely, whereas inaccessible clumps were left untouched.

7.6.15 **Minor Produce Working Circle :-** This Working Circle included the whole Working Plan area except the area closed for grazing such as (a) Plains Sal Timber Working Circle, (b) the quality III natural forests within the demarcated Sal blocks, (c) the worked coupes of the Ravine Working Circle, (d) the worked coupes of Fuel Working Circle for a period of five years after felling and (e) Plains Sal Pole Working Circle. Grazing by goats was made strictly prohibitive in the Reserved Forests. The grazing incidence was at the rate of one 'cow unit' per six acres (Under the assumption of one buffalo is equivalent to two cows and one cow is equivalent to two sheep). The District Forest Officer was authorized to close any area for grazing.

7.6.16 There was no need to close the area for grazing in the Plains Sal Timber Working Circle and in quality IV natural forests within demarcated Sal blocks. The maximum permissible incidence of grazing was not fixed. The more accessible forests were heavily grazed. This uneven distribution of grazing was due mainly to the fact that the

Working Plan prescribed the entire area of a Range to be taken as one unit for the purpose of grazing, and the situation aggravated further by subsequent orders fixing the entire area of Ghumsur Reserve as one grazing unit. The grazing fee was fixed at the rate of Rs 0 6 0 per head of buffalo Rs 0 3 0 per head of cow or bullock and Rs 0 1 6 per head of sheep.

7.6.17 The most serious administrative defect in the constitution of all the Working Circles concerned with the working of timber and firewood was that the area allotted to each Working Circle was scattered all over the division and mixed up with those allotted to other Working Circles in a most intricate manner.

7.6.18 Rigid fire protection measure was prescribed for all worked out coupes of Plains Sal Timber, Plains Sal Pole, Ravine and Fuel Working Circles as also for all unworked areas of quality II and III plains Sal forests. The Selection Working Circle was under 'partial' protection. Nothing was prescribed for the remainder of the forests but apparently, they were given general protection, all accidental outbreaks of fires were promptly put out. Areas under rigid protection were isolated by cleared and fire traced lines and patrolled by fire watchers. These operations costed considerable sum of money and while such expenditure was amply justified so far as it was related to the protection of young crops in worked out coupes. No such justification could be claimed for protection of unworked areas or of old coupes. In view of these considerations cleaning and burning of block lines around the latter category of forests was discontinued from 1937 - 38. The *Kondhas* of Ghumsur gave invaluable help on protection of forests from fires.

7.7 MANAGEMENT OF RESERVED FORESTS OF BERHAMPUR RANGE UP TO 1940

7.7.1 The Reserved Forests of Berhampur Range were known as **Mohiri hill group of Reserved Forests**. It consists of three blocks namely, Ramaguda, Ramapalli and Baniamari blocks which were constituted as Reserved Forests in the year 1899, 1900 and 1901 respectively.

7.7.2 **Fischer's Plan (1902 - 1903 to 1906) :-** Prior to 1903, felling and extraction carried out under the license system were irregular and haphazard. As per prescription of this Plan, the first fuel coupe was opened in Ramapalli reserve under the

silvicultural system of coppice with standard on a thirty years rotation. The system of leasing fuel coupes was introduced in Ramapalli forest block in 1913-14 and proved successful. Later on, this system was extended to Ramaguda in 1914-15. The Plan was not a success because of unsystematic labour provided by *Kondhas* for the departmental work. The Plan prescribed for bamboo working on a five years rotation. Neither the cutting rules were made nor the coupe boundaries were demarcated for the ground fellings. The Plan was kept in abeyance from 1906, although small areas continued to be worked departmentally until 1913-14.

7.7.3 Minchin's Plan (1915 to 1922) :- An interim Working Plan prepared by Mr. Minchin was sanctioned in 1915. This Plan retained the rotation at 30 years and prescribed that two coupes should be worked annually under simple coppice. The location of the coupes was left to the discretion of the District Forest Officer. The Plan provided for bamboo working on the same lines as prescribed in the Fisher's Plan but reduced the number of cutting series from three to two. The selection of coupes was left to the discretion of the District Forest Officer. Minchin's Plan worked fairly and smoothly.

7.7.4 Wimbush's Working Plan (1922 to 1933 - 34) :- The supplementary Working Scheme prepared by Mr. Wimbush was sanctioned in 1922. As the rotation, that was retained at 30 years, had only 11 more years to run, the chief aim of this Scheme was to regularize matters by providing for the exploitation of the unworked balance of the workable areas in each of the two felling series in the course of these 11 years. Based on this principle the coupe area of felling series I was fixed at 30 acres and that of felling series II at 50 acres. Five years cutting cycle was kept for exploitation of bamboo with fixed areas of coupes on the map. No proper bamboo cutting rules were prescribed. As a result of which clumps were clear felled in many places.

7.7.5 Sahai's Plan (1933 - 1934 to 1940 - 1941) :- Four felling series were formed, the rotation retained at 30 years and treatment prescribed was simple coppice. The regeneration was expected from coppice supplemented by 'rab' sowing of suggested species in suitable areas of the coupes. Cleanings were prescribed in the first and the second year of the life of the young crop. Coupes were closed to grazing for seven years after felling.

7.7.6 The results of working of coppice coupes overall was satisfactory. The young crop presented a mass of impenetrable jungle of miscellaneous species, bamboos and thorns. An intensive or comprehensive cleaning in this type of forest was not worth the expenditure it involved. Much of the area left out of Working Circle was capable of being worked for small timber and fuel. The rotation prescribed was short. *Cassia siamea* had grown best in ‘rab’ patches.

7.7.7 Four felling series were formed with a three year cutting cycle for Bamboo Working Circle. Elaborate cutting rules were prescribed. In spite of elaborate cutting rules, the condition of bamboo clumps did not improve much as these rules were not enforced. Theft of bamboo was rampant and the condition of bamboo forest was far from satisfactory.

MANAGEMENT OF RESERVED FOREST OF GHUMSUR (SOUTH)

DIVISION AFTER 1940

7.8 KHAN’S PLAN (1940 - 1941 to 1959 - 1960)

7.8.1 Ganjam Forest Division was split into two divisions, namely, Chatrapur and Russelkonda Forest Division on 3rd January 1938. These Divisions were renamed as ‘Ghumsur (South) Division and Ghumsur (North) Division’ respectively with effect from 1st April, 1941. Ghumsur (South) Division included the Reserved Forests of Berhampur, Buguda, Sorada and Chandragiri (in Parlakhemundi Division from 1965). The main features of the Working Plan were the introduction of the North Orissa system of blocks and compartments and maintenance of compartment histories; abolition of compulsory clear felling of Uniform and Coppice Working Circle coupes, where such clear felling was uncommon; provision of necessary cultural operations in Selection coupes and abandonment of the policy of treating Sal as the one and only one species worth catering for the exclusion of all others. The revised Working Plan for Ghumsur (South) Forest Division, that came into the force with effect from 1st July, 1940, was prepared for 20 years; from 1940 - 1941 to 1959 - 1960.

7.8.2 The main objectives of management were

- i) to provide for the growing needs of the surrounding population for forest produce;
- ii) to prevent erosion, to regulate water supply and to maintain and increase the productivity of the soil;

- iii) To conserve and improve the growing stock; and
- iv) So far as it is not inconsistent with the objectives (i) to (iii) above, to aim at obtaining the maximum financial return from the forests.

7.8.3 Five Working Circles were constituted namely, Selection Working Circle; Uniform Working Circle; Coppice Working Circle; Bamboo Working Circle and Miscellaneous Working Circle.

7.8.4 ***Selection Working Circle :-*** This Working Circle comprised of remote and inaccessible forests. The aim was to extract higher girth class of saleable timber species including Sal. The species recommended for felling were Sal, Bija, Sissoo, Halanda, M. Mundi, Gambhar, Bandhan, Asan and Jamun. Pondakhhol felling series was constituted and comprised of complete Pondakhhol block with an area of 15435 ha. The silvicultural system prescribed was selection-cum-improvement felling. The exploitable diameter was fixed at 16” for all species except Halanda, M. Mundi and Bandhan for which it was 18”, 18” and 12” respectively. The felling cycle was fixed at 30 years. No enumeration was carried out. The annual coupes were made in the tabular statements. The species like Sal, Bija, Sissoo, Halanda, M. Mundi, Gambhar and Bandhan were classified as principal species, Asan was classified as secondary species and all others as inferior species. Definite marking rules were prescribed for exploitation, improvement and thinning. The coupe purchaser was allowed to fell and remove the marked trees. Subsidiary silvicultural operations like cleanings and supplementary fellings were also prescribed. The coupes were closed for grazing for three years after the completion of main fellings.

7.8.5 The annual coupes had been worked and produced an unbalanced stand structure. The trees in higher and approach age class were found to be deficient, because of heavy felling and cleaning. Large number of sound trees between 2’- 4’ girth had been marked in improvement felling which was against the prescription. Sound trees of principal species were not retained as per Working Plan. These deficiencies were because of the presence of elasticity in marking rules and want of prescriptions for numerical check to control fellings. The felling cycle was too long. The stock maps prepared were faulty. The area of 15435 ha was too big for a felling series. Thus, the sizes of annual coupes were large and efficient supervision and silvicultural operations could not be ensured. The Plan had not prescribed for restocking of blank, eroded or under stocked area. Control forms and deviation statements had not been maintained.

7.8.6 ***Uniform Working Circle :-*** This Working circle included plain Sal areas and ravine Sal forests, which were near the local market. The eastern felling series covered Kriamba block over an area of 5043 ha. The western felling series included Dhepaguda, Mundapita, Pipalapanka, Dhaugam, Dabuki and Pankalagam forest blocks over an area of 7371 ha. The silvicultural system adopted was uniform system with an aim of conversion of uneven aged crops to approximately even aged. A felling cycle of eight years, with four fixed periodic Blocks of 20 years each, was adopted. Absolute uniformity was not aimed at with a view to avoid sacrifice of immature stock.

7.8.7 In periodic Block I coupes, poles expected to form part of the future crop were to be retained as standards. The remainder of the crop was to be clear felled followed by departmental cleaning, in which all inferior species would be removed. Selection and improvement fellings were prescribed for the other three periodic Blocks. Sal, Bija, Sissoo, Halanda, M. Mundi, Gambhar and Bandhan were considered as principal species; Karada, Asan, Jamun, Kusum and Som as secondary species and all others as inferior species. Each periodic Block was divided into 20 coupes. The yield was to be regulated by area. The periodic Block of the western felling series included compartment No 3, 4 and 6 of Pipalapanka and that of eastern felling series included compartment No 6 and 8 of Kriamba. Definite areas were also allotted for periodic Block II, III and IV. The periodic Block II, III and IV were worked under selection-cum-improvement fellings.

7.8.8 Almost the entire area of the periodic Block I was worked as prescribed. Clear felling of hilly areas with miscellaneous forests containing bamboos in the under storey had led to bamboo invasion at many places, particularly in Pipalapanka. The number of standards to be retained in worked out coupes varied widely and had not solved the purpose of the recommendations. Singling out of stems was not done. Control forms were not maintained and deviations were not sanctioned. The allotment of few forest blocks to periodic Block II was not proper. Selection, improvement fellings and cleanings had been heavy and the coupes were not adequately and uniformly stocked with established natural regeneration. The selection and improvement fellings in periodic Block III areas had depleted all size classes and distorted the stand structure. There was no control on yield because it was prescribed by area without numerical check. Thinning was not prescribed.

7.8.9 **Coppice Working Circle :-** This Working Circle comprised forests of types IV, V, VI, some areas of type III and the poorer quality areas of type I and confined to Berhampur Range. Most of the forests were situated near populated tracts. Nineteen felling series were formed out of which 17 belongs to present day Division. The felling series were Kriamba (Compartment 9 to 13 of Kriamba block), Panchabhuti (Compartment 1 to 4 of Panchabhuti, Budurungu and Karchuli - B blocks), Karchuli (Compartment 1 to 4 of Karchuli - A block), Sollundi (Sollundi and Nagiri blocks), Raipada (Compartment 1 to 5 of Raipada block), Ragada (Compartment 1 & 2 of Bondhagocha block), Hukuma (Compartment 1 to 3 of Hukuma block), Chamunda (Kadapada and Chamunda blocks), Kumarsuni (Binodia and Kumarsuni blocks), Tangarai (Tangarai block), Sandasulia (Sandasulia block), Ramaguda North (Compartment 1 & 2 of Ramaguda block), Ramaguda South (Compartment 3 & 4 of Ramaguda block), Baniamari West (Compartment 1 of Baniamari block), Baniamari East (Compartment 2 of Baniamari block), Ramapalli West (Compartment 1 of Ramapalli block) and Ramapalli East (Compartment of 2 of Ramapalli block).

7.8.10 Two types of rotations were adopted. Sixty years rotation was prescribed for bulk of poorer quality Sal forests, while a shorter rotation of forty years was adopted for the poorest types of forests of the division, with little or no Sal situated in or adjacent to populated tracks and centers of consumption. Majority of the compartments allotted to the Working Circle contained areas clear felled under past plans. The silvicultural system adopted was coppice with standards. All the felling series under rotation were divided into three equal periods of 20 years each. Coupes in periodic Block were to be clear felled except standards. For periodic Block II and III the silvicultural system adopted was selection and improvement felling. Sal, Bija, Sissoo, Halanda, M. Mundi, Gambhar and Bandhan were considered principal species. Karada, Asan, Jamun, Sidha, Bheru, Kusum, Som and Tangini were considered secondary species and rest others as inferior species. Trees of Sal, Bija, Sissoo, Gambhar, Halanda, Siris and M. Mundi of 6" to 12" diameter and Bandhan of 6" to 8" diameter were to be retained as standards subject to a maximum of 37 per hectare. All fruit bearing trees on either side of permanent roads were to be retained as standards. Cleaning was prescribed after felling on the same principle as in the Uniform Working Circle. Thinning was prescribed in the 11th year and was to be repeated at 10 years interval. The silvicultural prescriptions of periodic Block II and III were identical with that of corresponding periodic Blocks of the Uniform Working Circle.

7.8.11 The annual coupe in the 40 years rotations were to be worked under coppice with standards system as in the case of periodic Block I coupes of 60 years rotation felling series. The only difference was complete coppicing of entire crop to be preferred because of poorer quality of the crop and acute demand for forest produce. Cleaning and climber cutting were prescribed after main fellings. Thinning was prescribed in the 15th and 25th year.

7.8.12 The extensive hilly areas of Raipada, Hukuma, Kriamba, Karchuli, Ramaguda, Baniamari and Ramapalli felling series were clear felled. The process of artificial plantation of hill slopes after clear felling had been unsatisfactory. The resultant crop was neither fully nor uniformly stocked. All these had resulted in soil deterioration and erosion at several places. The coppice rotation of 60 years was high because of less coppicing capacity of miscellaneous species under longer rotation. There were either inadequate or no standards maintained in coppice coupes of Raipada, Kriamba, Ramaguda, Hukuma and Karchuli blocks. Control forms had not been maintained. Grazing and fire control in worked out coupes could not be checked.

7.8.13 **Bamboo Working Circle :-** This Working Circle overlapped parts of Selection, Uniform and Coppice Working Circles. Seventeen felling series were formed, out of which thirteen are in present Ghumsur (South) Division. They were Kumarsuni, Tangarai, Sandasulia, Karchuli - A, Karchuli - B, Budikhol (Kriamba), Raipada, Pipalapanka, Gajalbadi, Ramaguda North, Ramaguda South, Baniamari and Ramapalli. The felling cycle had been fixed at 4 years. Salia bamboos were to be worked under selection fellings, where as Kanta bamboos on clear felling. Elaborate cutting rules were made for Salia bamboos. Areas of Kumarsuni, Tangarai, Sandasulia and Karchuli - B felling series were excluded from regular bamboo fellings during the first ten years of the Plan. The bamboo bearing forests of some of the bamboo felling series were leased out to M/S Straw Product Limited on a 16 years lease with effect from 01.10.1956.

7.8.14 A large number of coupes in different felling series were not worked. There was practically no bamboo at Sandasulia, Kumarsuni, Tangarai, Ramaguda, Ramapalli and Budikhol felling series. The quality of clump and culms was generally poor.

7.8.15 **Miscellaneous Working Circle :-** This Working Circle included sub compartments of compact areas of open eroded forests, Napier's Park reserve, the forest village of Baimalla in compartment number 3 of Pondakhol forest block. These forest areas

were considered unfit for working and District Forest Officer was provided discretion to experiment the restocking of the area. The forest village of Baimalla was to be administered in accordance with the orders of the Conservator of Forests.

7.8.16 The Napier Park was dereserved sometime during 1935 and 1946. The Baimalla forest village had been given up by the Division. There was nothing on record to show if any experiment was carried out by the District Forest Officer as prescribed.

7.8.17 Khan's Plan expired during 1959 - 60. It was amended in 1958 and then again in 1964 to extend its provisions until 1970 - 71. The amendment included the change in marking rule of the Selection, Uniform and Coppice Working Circles. The amendment also included the change of periodic Blocks of Uniform Working Circle. These amendments mostly tried to reduce the quantity of felling and were conservative. Hilly slopes were closed to working. Exploitation fellings were prohibited in periodic Block II. Adequate number of standards was prescribed. Restriction was imposed on the clear felling of Kanta bamboo. The second amendment had restricted the clear felling in periodic Block I coupes. Selection felling was recommended in these coupes. No green tree was to be marked within 33 feet of another marked tree except where plenty of pole crops were present. These amendments were not followed sincerely which led to many deviations. Control forms were not maintained. The amendments and their result of working can be found in detail from paragraph 237 to 253 of the Mohanty's revised Working Plan.

7.9 R. N. MOHANTY'S PLAN (1970 - 1971 TO 1990 - 1991)

7.9.1 The forests of Ghumsur (South) Division, Ghumsur (North) Division and Parlakhemundi Division had undergone massive reorganization in sixties. Mr. R. N. Mohanty, the former Working Plans Officer, Bhanjanagar revised Khan's Plan and prepared a revised Plan for the Reserved Forests (except Gouduni and Budhighati Reserved Forest blocks notified in 1978 and 2000 respectively) of Ghumsur (South) Division for twenty years: (1970 - 1971 to 1990 - 1991).

7.9.2 The general objectives of management were,

- i) To protect and improve the forest cover on the hill slopes to conserve and improve soil and water resources;
- ii) To realize in full, the potential productivity of the forests by increasing the density and proportion of valuable species;

- iii) To satisfy local demand for forest produce and grazing;
- iv) To meet the demands of industries and trade;
- v) To conserve and manage the fauna natural to the division scientifically; and
- vi) To obtain progressive increasing yield of timber and other forest produce.

7.9.3 Six Working circles were constituted to meet the objectives of management. The name of Working Circle and the area allotted to them are as follows.

Name of Working Circle		Area in hectare
1.	Selection Working Circle	22952.86
2.	Coppice Working Circle	22717.89
3.	Teak Plantation Working Circle	1620.59
4.	Bamboo (Overlapping) Working Circle	30417.12
5.	Rehabilitation Working Circle	2952.55
6.	Soil Conservation Working Circle	2766.99
TOTAL:		53010.88
Source : Revised Working Plan for Reserved forests of Ghumsur (South) Division, R. N. Mohanty.		

7.9.4 **Selection Working Circle :-** The forests of Selection Working Circle and selection cum improvement felling under Uniform Working Circle of Khan's Plan were included in the Selection Working Circle of Mohanty's Plan. This includes the forests on the hill slopes of Pondakhhol, Dhaugam, Mundapita, Bondhagocha, Pankalagam and Kriamba forest blocks. Five felling series, namely Gajalbadi (consisted of compartment 1 and 2 of Dhaugam and 1 - 16 of Pondakhhol blocks); Ramnabadi (consisted of compartment 17 - 35 of Pondakhhol block); Bondhagocha (consisted of compartment 1 & 2 of Bondhagocha and Pankalagam blocks); Mundapita (consisted of compartment 2 - 4 of Mundapita, 1 - 2 of Dhepaguda and 3 - 6 of Pipalapanka blocks) and Kriamba (consisted of compartment 4 parts and 7 of Kriamba forest block) were formed. Partial enumeration of few tree species was carried out only in Pondakhhol and Dhaugam forest blocks.

7.9.5 The silvicultural system followed was selection system including improvement felling. Sal, Teak, Gambhar, Kangra, Bija, Sissoo and Bandhan were classified as principal species; Siris, Kasi, Halanda, M. Mundi, Asan, Arjuna and Mango as secondary species and rest others as inferior species. The exploitable diameter for Sal and other species was kept at 45 cm except for Bandhan (30 cm) and Halanda, Bija and M. Mundi (50 cm). The felling cycle was fixed at 20 years and yield was regulated by area with a percentage check on the removal of selection trees. The proportion of trees to be reserved was also fixed and

varies from 33 % to 75 %. Each felling series was divided into twenty equiproductive coupes. All trees of secondary and inferior species up to 20 cm diameter, which interfered with growth of principal species, were recommended for felling. Cleaning, thinning and climber cutting were prescribed in the first year, after completion of main felling. Climber cutting and singling out of stem were prescribed in the 3rd year. The blank areas were recommended for sowing and planting. Coupes were prescribed for closure to grazing for 5 years from the year of working. These coupes were to be fire protected for the same period.

7.9.6 The major defect of this Working Plan was the non availability of compartment histories, which were not prepared during the last revision by the Working Plans Officer. This serious mistake was never brought to light by any of the Divisional Forest Officers during the period of implementation of the plan except for one or two correspondences. In the absence of compartment histories, it is nearly impossible to ascertain the silvicultural operations that were carried out in the compartments. Thus, there is little scope for correct assessment of the implementation of Mohanty's Plan. However, aid of sale figures of coupes, annual administrative chapters, cashbooks and other relevant documents have been taken as an alternative measure, to make an approximate assessment of aforesaid Working Plan.

7.9.7 The prescription of the selection felling had been implemented one year late i.e. from 1971 - 72 until 1989 - 90. Coupe No XX of all the felling series could not be worked, because of imposition of ban on felling with effect from 01.10.90. It is not possible to analyze and assess the effects of past system of management on the stand structure and composition due to absence of detailed and reliable past enumeration figures. Coupes in all the felling series had not been worked out as per sequence of Working Plan prescriptions. The outturn of quantum of timber from every coupe is not available. The available figure shows that there had been over felling in Bondhagocha and Kriamba felling series due to allotment of less area to annual coupes i.e. around 80 ha. The stand structure of these two blocks at present is unbalanced and requires a period of rest. Similarly, Mundapita and Pipalapanka forest blocks had been degraded because of over felling and their accessibility to human habitations. The stand structure of Pondakhhol can be considered as satisfactory. The available sale list of Gajalbadi felling series shows that cleaning operation was done in Coupe VI in 1981 - 82. No record is available to show the subsidiary silvicultural operations had been taken up. The presence of gigantic climbers suggests that the prescription for climber

cutting had been neglected. Most of the blank areas of selection felling series had not been planted up.

7.9.8 Dabuki forest block was neither included in Selection nor Coppice Working Circle. The crop composition of Dabuki shows that it was fit for inclusion in the Selection Working Circle. Dabuki Forest block comprises of plain forests close to human habitations and affected by rampant encroachments during the last Working Plan period.

7.9.9 **Coppice Working Circle :-** This Working Circle included those forests, which could be worked for medium size timbers, pole and firewood. This Working Circle included all those forest blocks, which comprised the Coppice Working Circle in Khan's Working Plan, except Sandasulia, Tangarai, Kumarsuni and Nagiri. Thus this Working Circle included forest blocks like Baniamari, Ramapalli, Ramaguda, Panchabhuti, Karchuli - A, Karchuli - B, Kriamba, Sollundi, Budurungu, Chamunda, Kadapada, Hukuma, Raipada, parts of Pipalapanka and Mundapita. Sixteen felling series were constituted. The silvicultural system followed was coppice with standards. A rotation of 60 years was fixed for better quality Sal forests, which were under Uniform Working Circle for Pipalapanka, Nuapalli and Talasara felling series in the earlier Plan. It was expected that Sal would grow to 24.5 cm diameter in 60 years. A rotation of 40 years was fixed for rest of the thirteen felling series and it was expected that Sal would grow to 25 cm diameter in 40 years. The yield was to be regulated by area. The felling series had been divided into 40 or 60 annual coupes. The coupe was to be divided into 2 category areas. The steep slopes, exposed rocks and eroded areas were to be classified as category 'A' and rest other to category 'B'. The removal of trees in category 'A' areas was conservatively prescribed. Sal and other principal species (same as in Selection Working Circle) of seedling origin of 20 - 25 cm in diameter were recommended to be kept as standards. Subsidiary silvicultural operations like cleaning and climber cutting were prescribed in the year following the main felling. Thinning was prescribed in the 10th and in the 25th year for the areas of felling series of 40 years rotation and in the 10th, 25th and the 40th year of the areas of felling series of 60 years rotation. The general principle recommended was the removal of inferior species, which hampered with the growth of principal species. Sowing and planting of trees were recommended in blank and under stocked patches. A list of species was recommended for various felling series. The regeneration area was recommended for closure to grazing for a period of ten years, including

the year of working. Complete fire protection was also recommended in regenerating the coupes for a period of ten years.

7.9.10 In absence of the compartment histories, attempts were made to analyze the sale figures, annual administrative report chapters and other relevant documents like plantation journals, cashbooks etc. and it revealed that the Working Plan had overestimated the capacity of the forests for working under Coppice Working Circle. Out of 16 felling series prescribed, only nine felling series were worked and that too without any continuity. The felling series, which were worked included Hukuma, Raipada, Pipalapanka, Talasara, Sollundi, Nuapalli, Panchabhuti, Karchuli and Ramaguda South. The Ramaguda South felling series had produced only 248 and 605 stacks of firewood in 1979 - 80 and 1981 - 82 respectively. The other felling series such as Ramaguda North, Baniamari East, Baniamari West, Ramapalli East, Ramapalli West, Manitarra and Chamunda were never worked because of lack of harvestable forest produce. These forests were scrub forests and required period of complete rest supplemented by management intervention.

7.9.11 The marking rules were prepared keeping the demand of public in view. The Plan had recommended clear felling of the area except for retention of 65 numbers of trees of principal species per hectare and thus resulted in over felling in coupes. The number of trees recommended for retention as standard was too low than it was required, in view of the mortality rate and susceptibility of the area to theft. It is even doubtful whether such number of standards was actually retained. The area allotted to annual coupe was very less. For example, in the Sollundi felling series, the annual coupe area recommended was 5.33 ha during 1980 - 81. The average coupe area of the Sollundi felling series was 9.08 ha. Similarly, the average coupe area of the Ramapalli East felling series was 8.68 ha. The average annual coupe area of other felling series varies around 30 ha. The small area allotted to annual coupes rendered two disadvantages; a) Maximum attention was given to make the coupes economically viable by resorting to indiscriminate and over felling and b) Same compartment was visited year after year and the compartment really never got a period of rest. The volume of timber extracted in coupes of Coppice Working Circle per unit area was more than that of Selection Working Circle. In some year, the removal was up to the tune of even more than 10 cubic mt / ha / year. Most of the compartments of the felling series worked under this Working Circle now can be classified as highly degraded or scrub forests. The forests of Raipada, Hukuma, Mundapita, Panchabhuti, Karchuli, Kriamba and Sollundi are

highly degraded. Some patches of these forests could also be classified as scrub forests. In absence of compartment histories, it was difficult to trace out whether any subsidiary silvicultural operation had been taken up in these coupes. Thinning prescribed in the Working Plan had not been taken up and that was not required at all and feasible too. Blank patches, on the foothills of the forests, had been planted without adhering to the schedule of the Working Plan, most probably, due to non availability of funds and area. In a nutshell, it can be concluded that allotment of poorly stocked areas to Coppice Working Circle was not a correct prescription. Thus wrong prescription coupled with indiscriminate and heavy felling in the annual coupes, completely changed the composition of the forests worked under this Working Circle rendering them degraded and scrub forests.

7.9.12 Teak Plantation Working Circle :- The Working Circle included all the existing teak plantation area, mixed miscellaneous forests situated on plains or gentle to moderate hill slopes suitable for plantation and few small patches of Sal of poorer quality. The area allotted to this circle was 1620.59 ha, which consisted of 480.80 ha of existing teak plantation and 1139.79 ha of natural forests earmarked for clear felling and plantation. The forest blocks allotted to this circle includes Nagiri, Panchabhuti 3 b, Panchabhuti 4 b, Karchuli 1 b, Karchuli 2 b, Kriamba 10 b, Kriamba 11 b of Buguda and Raipada 1 b and Raipada 1 c of Sorada Ranges. The silvicultural system adopted was felling with artificial regeneration. Although two plantation series were made, annual plantation coupes were not laid because of fluctuation of budgetary resources.

7.9.13 Lot of miscellaneous plantations had been raised in the Division by various agencies. It seems that plantations had not been done as per the prescription of the Working Plan. The plantation journals were not maintained. However, it is not a sound policy to go for teak plantation after clear felling of natural forests. Even if some teak plantations had been raised, it was at different sites and not as per recommendation of Working Plan. Briefly, it can be concluded that the prescription of this Working Circle was never implemented.

7.9.14 Bamboo (Overlapping) Working Circle :- This Working Circle overlapped the Selection and Coppice Working Circles and contained all commercially exploitable bamboo areas of the division. The gross area allotted to this Working Circle was 30,417.12 ha. The forest blocks of Pondakhol, Pipalapanka, Raipada, Kriamba, Karchuli - A, Karchuli - B, Ramaguda, Ramapalli and Baniamari were allotted to this Working Circle. Nine cutting

series namely, Gajalbadi (compartment number of Pondakhhol 1, 3 and 35); Budagada (compartment number of Pondakhhol 4 - 16); Adiponka (compartment number 17 - 34 of Pondakhhol); Pipalapanka (compartment number 2 - 6 of Pipalapanka); Raipada (compartment number 1 - 5 of Raipada); Kriamba (compartment number 3 - 9 of Kriamba); Karchuli (compartment number 1 - 3 of Karchuli - A and Karchuli - B); Ramaguda (compartment number 1 - 4 of Ramaguda) and Baniamari (compartment number 1 - 2 of Ramapalli and 1 - 2 of Baniamari) were formed. The silvicultural system adopted was culm selection combined with cleanings and cultural operation. The cutting cycle was fixed at 4 years. The expected annual yield was calculated for all the cutting series. Detailed cutting rules were for Salia bamboo (*Dendrocalamus strictus*) and Kanta bamboo (*Bambusa arundinacea*) were chalked out. Subsidiary silvicultural operations were also prescribed. Grazing was prohibited during the year of coupe working. Artificial regeneration of bamboo planting was also prescribed.

7.9.15 The coupes of Budagada, Gajalbadi, Adiponka, Pipalapanka and Kriamba cutting series were worked continuously. Raipada cutting series was worked with few gaps in coupe A. Karchuli cutting series was worked with long gaps in coupe A and coupe D. Ramaguda cutting series was worked only thrice in last thirty years. Baniamari cutting series was never worked. The production of bamboo was not upto the potential and expected yield calculated in the Working Plan. The production of bamboo from the same coupe in various cutting cycle differs widely, sometimes upto 20 times of last production. However, the total production of bamboo from the division was fairly constant and around 10000 sale units. This shows that the removal of bamboo in most of the coupes was based on the need rather than the availability. The coupes of Karchuli, Ramaguda and Baniamari cutting series could have been avoided, as working of those coupes was not economically viable. The bamboo clumps of most of the cutting series were incorrectly exploited. Bamboo from more accessible coupes was harvested regularly and in excess. The bamboo coupes located on difficult terrain were not harvested to its potential. Overall, it can be concluded that bamboo working was not done to its potential. Pankalagam forest block should have been included in this Working Circle.

7.9.16 **Rehabilitation Working Circle :-** The areas included in the Working Circle were degraded forest blocks such as Binodia, Kumarsuni, Sandasulia and Tangarai. These forest blocks were earlier under Coppice Working Circle during Khan's Plan. The total area covered was 2952.55 ha. The area was divided into three rehabilitation series namely; Kumarsuni, Tangarai and Sandasulia. It was prescribed that a minimum of 60 ha of

Kumarsuni rehabilitation series and 40 ha each of Tangarai and Sandasulia rehabilitation series would be rehabilitated annually. The annual coupes were not laid down and were left to the discretion of the Divisional Forest Officer. Fencing, cattle proof trench, site clearance, anti erosion measures and soil working were recommended. The species were also recommended for different terrain.

7.9.17 The rehabilitation measures undertaken in these blocks were not as per the prescription of the Working Circle. The minimum annual coupe area prescribed was not rehabilitated. The other prescriptions recommended were also not followed. Some plantations raised on foothills of these forest blocks are at various stages of degradation. Annual coupes should have been demarcated, which could have put an obligation on Divisional Forest officer to undertake the work.

7.9.18 **Soil Conservation Working Circle :-** This Working Circle included eroded areas and the areas subject to the active erosion. Hukuma 2 b, Dhaugam 1 b, Dhaugam 2 b, Dabuki, Pipalapanka 6 b, Pondakhol 27 b and Pondakhol 36 of Sorada and Kriamba 2 b, Kriamba 5 b and Kriamba 6 b of Buguda Ranges were brought under this Working Circle. Mechanical measures like construction of temporary and permanent check dams; Vegetative measures like reforestation and prohibition of grazing etc. were recommended.

7.9.19 Mere constitution of a Soil Conservation Working Circle and bringing certain forest blocks under this Working Circle do not address the problems. The plan should have dealt this Working Circle in a more pragmatic way, which is lacking in completely. Extent of area affected by different types of soil erosion should have been ascertained and site specific measures should have been recommended. Benefits derived out of the management of this Working Circle has direct bearing on the site quality and more so on the crop composition. On the contrary, this Working Circle had been dealt being based on ocular estimation of the problem and superficial prescriptions. Even then, the prescriptions made were not followed copiously barring some vegetative measures, like plantations in arbitrary patches, which are, at present, in their degraded form.

7.10 EXTENSION OF MOHANTY'S PLAN (1990 - 1991 TO 2000 - 2001)

7.10.1 Mohanty's plan was due for revision in the year 1987 - 88 and a revised Working Plan should have been enforced in the year 1990 - 91. However, this did not happen because of inadvertent reasons. As a result of which, Mohanty's plan was extended thrice i.e. from 1990 - 91 to 1992 - 93 vide Memo No. 13 - FCWP - OS - Ghu - Sou dated 24th December, 1990; again from 1993 - 94 to 1997 - 98 vide Memo No. 13 - FCWP - OS - Ghu - Sou dated 24th September, 1993 and again from 1998 - 99 to 2000 - 01 vide Memo No. 13 - FCWP - OS - Ghu - Sou dated 8th December, 1999 of the Chief Conservator of Forests (Central) Eastern Regional Office, Minister of Environment and Forests, Government of India, Bhubaneswar. Extensions granted to Mohanty's Plan were on the stipulation that there would be no tree felling in view of imposition of moratorium on tree felling with effect from 01.10.90 and bamboo coupes were allowed for working. Only dead, dying and uprooted trees were allowed for removal from the forests.

7.10.2 The Bamboo working was done in the same cutting series already prescribed in Mohanty's Plan. There was change in cutting rules of bamboo and it was worked in accordance with the rules prescribed by the Chief Conservator of Forests (Central), Eastern Regional office, Government of India, Ministry of Environment and Forests, Bhubaneswar, communicated by Principal Chief Conservator of Forests, Orissa vide his Memo No. 26951 (40) dated 28th December, 1990. The working of bamboo was done by the Orissa Forest Development Corporation Ltd. and the production of bamboo was around 10000 sale units annually.

MANAGEMENT OF UNRESERVED AND EX - ZAMINDARI FOREST AREA **(AREA MANAGED UNDER WORKING SCHEME)**

7.11 WORKING UNDER PERMIT AND NISTAR SYSTEM (UP TO 1952)

7.11.1 These forests were exploited with the object of realization of maximum revenue without any scientific working. Even the restriction on felling was carried randomly. The Zamindars of Dharakote, Khallikote and Athagarh classified their forest into reserved and unreserved areas. Tenants rights were restricted in the reserved areas. A scheme was prepared for the working of forests of Dharakote. Two Working Circles namely, Coppice

Working Circle and Bamboo Working Circle were constituted. The Coppice Working Circle included all reserved areas and the rotation was fixed at 40 years with the silvicultural system of simple coppice with standards. The cultural operations were not prescribed. The yield was fixed by area and the annual coupes were prepared. The Bamboo Working Circle included all good bamboo areas for working on 4 year cutting cycle without any cutting rules. The analysis of working according to scheme was not possible because of the absence of relevant records. No working plan or scheme existed for other areas. Relevant records were not available to know the past management of the forest. It seems that these forests were exploited without any restriction, more particularly, the accessible areas. People were allowed to collect firewood, bamboo and other forest produce from the unreserved lands on payment of royalty as per schedule prevalent in the Zamindari estate. There were two rates, 'tenants rate for domestic uses' and 'trade rate'. Several species were classified into reserved species that could be removed only on payment of trade rate by the tenants. The classification into reserved and unreserved species was applicable to unreserved lands only and does not apply to the reserved lands, where all trees were considered reserved. The removal of forest species under forest cess or nistar cases was prevalent in several Zamindaris such as Sanakhemundi, Chikiti and Khallikote. The tenants enjoyed ill-defined nistar rights on the annual payment of nistar cess. The rate of nistar or trade rate was different for different Zamindaris. Grazing was free in unreserved lands. Even the legislation applicable to different areas was different. The Zamindari forests of Khallikote, Athagarh and Dharakote were governed by the Madras Forest Act, 1882. No forest Acts were applicable for other forest areas. The 'Orissa Preservation of Private Forests Act, 1947' was extended to many of these forests.

7.11.2 There was practically no scientific management of forests. These forests were exploited only for the purpose of revenue. This had resulted in the gradual depletion of these forests. Continuous removal of trees, shifting cultivation, uncontrolled grazing and repeated fire had degraded these forests. Records show that, in the wake of abolition of the Zamindari system, removal of forest produce took serious proportions and virtually all the Zamindari forests were ruined.

7.12 UNDER ANCHAL ADMINISTRATION (1952 - 1957)

7.12.1 The management of Zamindari forests were vested in the Anchal administration from 1952. These were treated under the 'Orissa Preservation of Private Forest

Act, 1947'. There was no fresh demarcation and survey of any blocks. The removal of forest produce was regulated under the above act. There was no coupe system and the extraction of dead, dry and wind fallen trees was done by contractors at the royalty rates prevalent during Zamindari time. The forests were leased out for non timber forest produce such as Karanja seeds, Harida, Hill broom, Mahula, Mirsinga leaves, Siali leaves, Sabai grass etc. The rights and concessions enjoyed by the ryots and tenants of Zamindari areas were continued. People were allowed to remove the forest produce free of royalty in lieu of the nistar cess. The revenue from the forests was through gate collection. Other taxes such as shooting fees, grazing tax etc. were collected at the gates, besides the issue of fixed value permits according to the prevalent rates.

7.12.2 There was no scheme or plan for any scientific management of the forests. The old system of exploitation continued without any silvicultural operations. Practically, there was no change in the forest management, barring restriction imposed on reckless felling.

7.13 UNDER THE CONTROL OF FOREST DEPARTMENT

7.13.1 Forest Management for the period 1957 - 1960 :- The forests of the ex-estates were transferred to the control of the Forest Department in 1957. The foundation, for scientific management of forests was laid with the application of the Madras Forest Act, 1882 on reserved and unreserved lands. Chapter II of the Act deals with the reserved lands and section 26 of chapter III with the management of unreserved lands. As per amendment to Section 20 of the India Forest Act in 1954 (The Orissa Amendment act XI of 1954), "the reserved lands constituted during the zamindari period and other rules were declared to have been framed under the Indian Forest Act and continued as such".

7.13.2 The old system of gate exploitation through fixed value permits at the prevalent rates continued. The rights and concessions enjoyed by the tenants were allowed. The nistar and other cess were collected by the Forest department. No attempt was made for any systematic work of coupes. In 1960, some coupes such as bamboo and coppice coupes were opened. Some areas of Pandripada forest block had been deforested for construction of Dhanei dam.

7.14 MANAGEMENT UNDER L. K. PATTNAIK SCHEME (1961 - 1980)

7.14.1 Four Working Circles namely; Selection Working Circle, Coppice Working Circle, Bamboo Working Circle and Plantation Working Circle were constituted.

7.14.2 ***Selection Working Circle :-*** The inaccessible and remote area of Badagada forest block of Aska Range was kept under Selection Working Circle. The total area allotted to this Working Circle was 8096 ha. The silvicultural system adopted was selection-cum-improvement felling. Sal, Bija, Sissoo, Asan, Halanda, Gambhar, M. Mundi and Bandhan were classified as principal species and rest other as inferior species. Felling cycle was fixed for 20 years. The yield was to be regulated by area. The exploitable diameter for different species to suit various conditions had been fixed.

7.14.3 ***Coppice Working Circle :-*** This Working Circle was prescribed for the areas where there was demand for firewood, small poles and timber. The system prescribed was coppice with standards with two rotations, namely 60 years and 40 years. The yield was to be fixed by area and total area allotted to this Working Circle was 69429.25 ha. Thirty-eight felling series were formed. The forest blocks that were included in this circle were Purunapani Daburia, Jokalundi, Khaladimal, Kumaripari Boraibana, Pandripada, Suliaguda, Ambadaban, Chemidi, Kantakhol, Hatimunda, Machakhai, Badua, Malijhar, Badadanda, Rasibadi, Chapudia, Putakhol, Gaida, Ratnei, Srirampalli and Badagada. Exploitable diameter of various species had been fixed. Definite rules were prescribed for the number and girth of the standards. Various subsidiary silvicultural operations were prescribed.

7.14.4 ***Bamboo (Overlapping) Working Circle :-*** It was an overlapping Working Circle with an area of 82233.53 ha. Twenty-nine felling series were formed. The forest blocks included were Purunapani Daburia, Jokalundi, Khaladimal, Pandripada, Badagada, Chemidi, Kantakhol, Machakhai, Hatimunda, Suliaguda, Kerandimal, Gaida, Putakhol and Dhanarasia. The cutting cycle was fixed at four years. Detailed bamboo rules were prescribed.

7.14.5 ***Plantation Working Circle :-*** This Working Circle included areas other than Coppice Working Circle with a view to raise regular plantation of economic tree species by replacement of less valuable and inferior growing stock. The total area allotted to this

circle was 30472.24 ha. The block included were Bhallery, Chanchunia, Sahakhhol, Budhighati, Talakhhol, Karakhhol, Ghati Range, Solapa, Sanghati, Babolo, Krishnagiri, Pustapur, Mathakhhol, Athagada, Asurai, Sodaka, Ranibar, Ghantasila, Nandighar, Pakidi, Dumangiri, Jhinkaria, Gadagada, Gouduni, Changudidei, Ratnei, Kerandimal and Dhanarasia. Twenty-four plantation series were made. The silvicultural system adopted was clear felling followed by artificial regeneration. The valuable species recommended for plantation were Teak, Simul, Eucalyptus, Chakunda, Pine, Sirish, Bamboo, Casurina, Cashew nut, Sissoo, Gambhar etc. depending upon the suitability of the site and the discretion of the Divisional Forest Officer. The plantation procedure and the annual coupes were prescribed.

7.14.6 **Result of working :-** No records are available to analyze success or failure of systems of management as prescribed in Pattnaik's scheme. In absence of relevant records, it is rather unfair to comment on systems of management.

7.15 **S. PADHI'S SCHEME (1980 - 1981 TO 1989 - 1990)**

7.15.1 The main objectives of management were

- (i) To prevent deterioration of the existing growth from unsystematic exploitation.
- (ii) To conserve and improve the growing stock.
- (iii) To provide for the growing bonafide requirement of forest produce for the local population.
- (iv) To rehabilitate the irregular and depleted forests
- (v) To obtain maximum revenue in consistence with the objectives mentioned above.

7.15.2 Six Working Circles namely; Selection-cum-Improvement Working Circle, Selection Coppice Working Circle, Bamboo (Overlapping) Working Circle, Plantation Working Circle, Cashew Nut Working Circle and Cane Working Circle were constituted.

7.15.3 **Selection-cum-Improvement Working Circle :-** This Working Circle includes forests of Pandripada and Badagada - A blocks that contain trees of all age gradation over an area of 18,975 ha. Two felling series namely, Badagada and Pandripada were constituted. The system prescribed was selection-cum-improvement felling. Sal, Bija, Sissoo, Gambhar, Kusum, Mundi, Bandhan and Asan were classified as principal species. Edible fruit yielding trees and trees of commercial importance such as Mango, Tamarind, Kusum, Mahula, Neem, Genduli, Kochilla, Sunari, Karanja and Kendu were classified as guest

species and all the other as inferior species. The exploitable diameter for all the species except Bandhan was fixed at 40 cm for Pandripada felling series and 35 cm for Badagada felling series; for Bandhan it was fixed at 30 cm. The felling cycle had been fixed at 20 years. The yield was to be regulated by area. One third of the principal species of exploitable diameter and above was recommended as standards. Cleaning of coupe was recommended in the first year after the main felling. Climber cutting was to be done at the time of marking of coupes. Grazing was prohibited for three years after main felling. Plantation was recommended in blank and encroachment areas. Fire protection was recommended for 3 years after main felling.

7.15.4 Compartment histories were not prepared for any forest areas. In the absence of the compartment histories, it is not possible to analyze the silvicultural operations that would have taken place in the compartments. An attempt was made to study the past management based on relevant records available in the division. All the coupes of Pandripada are worked. The available data showed that in some years, the coupes had been over exploited. Large number of poles of so called 'inferior species' was removed with an aim to improve the stock with the principal species. This had caused the wastage by removal of large number of trees of advanced growth. The effect of subsidiary silvicultural operation undertaken could not be assessed. Plantation had been taken up in foothills of some compartments rather than in gaps and blank patches within the compartments. The Badagada felling series was not worked except for coupe IV and X. The outturns in those two years were only 10.53 and 35.38 cubic meters of timbers respectively. The most probable reason for non working of other coupes was non availability of the timber. The other reason may be the availability of very few exploitable trees, which are standing scattered and that too in inaccessible areas. At present, these forests are devoid of species of higher girth class. There is no record to show if any subsidiary silvicultural operations had been undertaken, although plantations had been done in few patches.

7.15.5 ***Selection Coppice Working Circle :-*** This Working Circle included the majority of the forest areas situated in the vicinity of human habitations. Nine felling series namely, Bhabarada (consisting of Purunapani Daburia, and compartment number 29 & 38 of Pandripada block); Kinari (consisting of Khaladimal and compartment number 19, 26, 27, 28 of Pandripada); Sadangapalli (consisting of compartment 1 to 23 & 25 of Badagada - C); Gambhariguda (consisting of Malijhar - I and Malijhar - II); Digi (consisting of Chemidi &

Kantakhhol); Lembakumpa (consisting of Badagada - B), Kalyanpur (consisting of compartment number 15, 17 - 27 of Gaida), Ghodahada (consisting of compartment number 4 - 7 & 10 - 14 of Gaida); Putakhhol (consisting of Putakhhol) and Chikiti (consisting of compartment 2 - 6 of Ratnei) had been constituted. The total area allotted to this Working Circle was 33,655 ha. The system prescribed was selection coppice. The felling cycle had been fixed at 20 years. Regeneration was expected from coppice and seedling origin supplemented by artificial regeneration. The exploitable diameter was fixed at 20 cm. The yield was regulated by area. Cleaning was prescribed in the first year after main felling. Plantation was recommended in encroached and Podu affected areas. Grazing was prohibited for 5 years after main felling.

7.15.6 The felling series constituted was impractical and uneconomical for coupe working. The coupes demarcated did not have any trees worth felling, although the exploitable diameter had been fixed quite low at 20 cm. Coupe IV of Lembakumpa produced 27.81 cubic meter of timber. Coupe I, II & V of Sadangapalli produced 65.11, 26.073 and nil cubic meter of timber respectively. Coupe VIII of Kinari felling series produced 150 stacks of firewood. This shows that the working of these forests was not a economically viable proposition. This area could have been avoided for treatment under this Working Circle. No records are available to show that subsidiary silvicultural operations had been undertaken in this Working Circle. As the condition of the forest stands today, it is nothing more than a degraded forest and badly needs a period of rest.

7.15.7 ***Bamboo (Overlapping) Working Circle :-*** This was an overlapping Working Circle over an area of 1,600 ha. Thirteen cutting series namely Nadiamba (consisting of compartment number 1 - 15 of Pandripada); Jokabandha (consisting of compartment number 16 - 25 and 30 - 37 of Pandripada); Bhabarada (consisting of compartment 29 & 38 of Pandripada and Purunapani Daburia); Kinari (consisting of Pandripada 26 - 28, Khaladimal and Jokalundi); Bhaliaguda (consisting of compartment number 5, 13 - 22 and 27 of Badagada - C); Jhirjhira (consisting of compartment number 1 - 4, 6 - 12 and 23 of Badagada - C); Digi (consisting of Chemidi and Kantakhhol); Gambhariguda (consisting of Malijhar - I and Malijhar - II); Jarau East (consisting of compartment number 1 - 14 of Badagada - A); Jarau West (consisting of compartment number 15 - 25 of Badagada - A); Lembakumpa (consisting of Badagada - B and Srirampalli); Kalyanpur (consisting of compartment number 15, 17 - 27 of Gaida) and Ghodahada (compartment number 4-7 and

10-14 of Gaida and Putakhol) were constituted. The cutting cycle had been fixed at four years and yield was to be regulated by area. Detailed cutting rules for Salia and Daba bamboos were prescribed.

7.15.8 Out of 13 felling series, bamboo working had been done only in seven felling series, namely, Jarau East, Jarau West, Lembakumpa, Jhirjhira, Bhaliaguda, Nadiamba and Jokabandha. Other coupes were not worked because of availability of low and uneconomic quantum of bamboo. The bamboo production from the worked coupes worked out fluctuated very widely. It is clear that the production of bamboo was based on the requirement rather than the availability. The exploitation of bamboo coupes was heavy in the accessible areas than inaccessible and difficult terrain. Overall, bamboo coupes were not exploited to their potential and in the scientific manner. This had resulted in the degradation of bamboo coupes of Badagada - C compartments. Cleaning and other silvicultural operations of bamboo had not been done. This had caused the deterioration in the quality of clumps of bamboo.

7.15.9 ***Plantation Working Circle :-*** This Working Circle covered a vast area of 38,000 ha spread over 37 blocks. The annual target for the plantation was fixed at 1000 ha. The choice of area was left to the discretion of the Divisional Forest Officer. The site specific species were recommended for plantation.

7.15.10 The plantation target recommended by the Working Scheme was not achieved because of resource crunch. However, several agencies had undertaken the plantation under different schemes. The choice of species was according to the scheme under which plantations had been raised. Most of the plantations are not in good shape at present, majority of them are the coppice growth of the earlier plantation. Plantation journals were not properly maintained.

7.15.11 ***Cashew nut Working Circle :-*** This Working Circle included 15 blocks over an area of 18,700 ha. The details of this Working Circle were not given, as there was a proposal to transfer the management of cashew nut plantations to the Orissa Forest Development Corporation Limited. Fresh area was recommended for plantation.

7.15.12 Some areas had been brought under cashew plantation. The divisional staff looked after the management of cashew plantations raised by the Division and that of raised

by the Orissa Forest Development Corporation Limited as well. The cashew plantation had been successful in checking soil erosion at many places besides earning revenue for the department. Cashew plantations are in good shape in many places. These plantations were badly damaged during super cyclone hit to the coastal district of Orissa in October 1999. The policy of planting cashew is against the Forest Conservation Act, 1980 and it was discontinued after the said Act came into force.

7.15.13 ***Cane (Overlapping) Working Circle :-*** This Working Circle overlapped the area of Pandripada, Purunapani Daburia, Khaladimal, Jokalundi, Athagadapatna and Bhallery blocks of Kodala Range. The total area allotted was 17,160 ha. One felling series had been constituted. Canes of more than six mt in length were recommended for removal in a cycle of five years. Detailed cutting rules had been prescribed. Subsidiary silvicultural operations like sowing, planting, tending etc. were also prescribed.

7.15.14 No records are available to assess the cane working in the division. As far as the information goes, the entire cane area of the division, as a single unit, was being put to auction each year vitiating the prescriptions of the Scheme. The annual production average was around 50 - 60 Kahan. No special measures were taken to improve the growing stock and augment the production of canes.

7.15.15 ***Miscellaneous Regulations :-*** Working units were prescribed for Murraya leaves, Tamarind and Siali leaves. This prescription was not followed and entire division, as a unit, was being put to auction in respect of these non timber forest produce.

7.15.16 The Working Scheme had recommended for the survey and demarcation of the forest blocks to compute the correct area of the forest blocks. In the meanwhile, forest blocks covered in Padhi's scheme had been demarcated and surveyed and details of the same have been dealt in Chapter 1 of the Plan. The blocks had been divided into compartments in order to write the compartment histories, but compartment histories were never written and stock maps were not prepared. The management maps were prepared in 1: 50,000 scale on topo sheets.

7.15.17 The Working Scheme came to an end in 1989 - 90. It was given extension from 1993 - 1994 to 1999 - 2000 vide Memo no. 13 - FCWP - OS - Ghu - Sou dated

11.08.1994 and again up to 31.3.2001 vide Memo no. 13 - FCWP - OS - Ghu - Sou dated 8.12.1999 of Chief Conservator of Forests (Central), Eastern Regional Office, Ministry of Environment and Forests, Government of India, Bhubaneswar. The extension granted to the scheme allowed removal of dead and dying trees from the forest areas and working of bamboo coupes. The plantation of cashew was stopped and plantation of forestry species was recommended instead. The bamboo coupes were worked in the extension period as per the new cutting rules of bamboo prescribed by the Government of India.

7.16 REVISED WORKING PLAN PK JHA FROM 2001-02 TO 2010-11 (Extension up to 2014-15)

Before we discuss about the result of working as prescribed in P K Jha's Plan it is worthwhile to have a glimpse about the forest working in the immediate past. Historically the forests of Ghumsur South Division has under gone lot of administrative changes in the past as described in the foregoing paras. The salient features are as follows.

[01] The systematic working of reserved forests in Ganjam district in a holistic way started after 1940 with Khan's Plan. Earlier it was being done for individual forests/Ranges.

[02] Management of unreserved and ex-zamidari forests was primarily under different zamidars like Dharakote, Buguda, Athagarh, Khalikote,, Soroda etc. and under the anchal administration prior to its working under L.K.Patnaik's Scheme (1961-1980).

[03] Because of massive degradation of forests, mostly in unreserved and zamindari reserved forest areas the concept of working through coppice working circle was given a go by after the R.N.Mohanty's Plan for reserved forests (1970-71- 2000-01 with three extensions) and the S.Padhi's Scheme for unreserved forests. Thus there was no coppice working circle in P.K.Jha's Plan and it was taken over by the Eco-restoration working circle.

[04] The concept of joint forest Management gained momentum vigorously since 1995 onwards.

[05] The bamboo working in the forests was twisted by getting the harvesting done by the RMP (Raw Material Procurer) since 1992-1993. It is the paper mills (in case of Ganjam district the M/s. J.K.Paper Mill, Rayagada) which worked on behalf of OFDC as an agent. Thus the very concept of routing out middle men in forest working by getting the work done through state owned corporation has been defeated.

[06] The afforestation activities were multiplied in the last two decades, especially after implementation of NAP by getting the work done through FDA (Forest Development Agencies) and CAMPA.

[07] There has been substantial upscaling of funds in the forestry sector.

P.K.Jha's Plan was originally from 2001-02 – 2010-11) with extension up to 2013-14. The prescription and achievement of P.K.Jha's Plan is briefly enumerated below.

In the outgoing Plan prepared by Mr. Jha, the Forests of Ghumsur South Division have been worked under the following 7 Working Circles.

- 1) The Selection Working Circle.
- 2) The Eco-Restoration Working Circle.
- 3) The Plantation Working Circle.
- 4) The Bamboo (Overlapping) Working Circle.
- 5) The NTFP (Overlapping) Working Circle.
- 6) The Wildlife (Overlapping) Working Circle.
- 7) The Protection (Overlapping) Working Circle.

7.16.1 **The Selection Working Circle**

Only two Reserved Forest Blocks such as Pondakhhol and Dhaugam were put under this Working Circle covering an area of 15264.67 ha. The vegetation of these two Reserved Forest Blocks is Moist Peninsular High Level Sal and Moist Peninsular Low Level Sal forests. There were four felling series. The felling cycle was fixed at 10 years so as to synchronise with the plan period. The yield was regulated by area with a percentage of check on the exploitable trees as calculated by the Silvicultural system with emphasis on sustainable production and stability of Eco-system. The whole area of this Working Circle was distributed into 4 coupes. It was prescribed that no species will be preferred at the cost of any other species. Thus all species were treated to be equally important and the prime concern is conservation of biodiversity. However there was restriction on felling of any kind of fruit bearing trees. The exploitable girth class was 150 cm for all species including economically important like Sal, Piasal, Sisoo, Gambhar, Haland, Kasi, Mundi, Asan, Mai, Kusum, Jamun etc. and miscellaneous species excepting Bandhan in which case it was 120 cm. It was prescribed to fell 1.0 Sal tree per hect. and 2.0 non Sal trees per hect.

RESULT: Forests under this Working Circle tended to be overexploited due to biotic interference such as illicit felling, clearance of forests growth by encroachment and human settlement. The forests fire and cattle grazing had been a persisting menace. The areas having potentiality of Sal could not be given the Plan prescribed treatment. From the year 2001-02 to 2004-05 the coupe operation was not taken up due to moratorium on green tree felling and thereby Subsidiary Silvicultural Operation (SSO) could not be carried out. As attributed in the 1st PWPR the paucity of funds and shortage of technical staff are the reasons for either not having any or having delayed SSO. However, regular selection coupe marking and tree felling were taken up from 2005-06 after the ban on tree felling was lifted. The year wise timber and firewood production is given at **Table No. 7.1**

It is observed that working of Timber coupes are day by day becoming out of trend and the production becomes very erratic. As against the prescribed no of trees earmarked for felling, the no of trees actually marked (and felled) in different year from 2005-06 to 2012-13 is only 5.8% to 8.3%. This has shown gradual declining trend over the years. This is mainly due to removal of harvestable trees through illicit felling. The situation became so precarious during 2011-12 that OFDC worked only in one coupe and declined to work in other three coupes for lack of sound trees and apprehension of incurring loss in the process. The second observation is that the outturn of the timber per tree actually felled has shown in increasing trend consistently from 0.42cum in 2005-06 to 0.82cum in 2012-13. This is apparently due to cautious marking but it could be attributed to some extent for large scale removal of good trees. One point of consolation is that barring exception in the year 2010-11, the flow of fund towards taking of subsidiary silvicultural operation have increased phenomenally, probably due to up scaling of fund in the 13th FC Grant.

7.16.2 **The Eco-Restoration Working Circle**

All the degraded Forest Blocks were included under this Working Circle with total area of 121487.72 ha. This Working Circle was constituted with special objectives to re-stock, rehabilitate, enhance productivity and increase the biodiversity of the forests with constitution of 38 treatment series. The forest blocks including in the working circle are in different stages of degradation. It was prescribed to restock the area and improve the existing forest growth by planting bamboo, fruit bearing trees, fuel wood and leguminous trees. Exposed soil are to be planted with grass. Controlled and rotational grazing was to be allowed. Areas with abundant root stock are to be treated under RDF and all the areas are to

be treated with soil and water conservation measures. The working norm prescribed is what has been approved by the PCCF for Integrated Afforestation and Eco-development Project Scheme.

RESULT: During the outgoing Plan the areas to be treated under this Working Circle were completely ignored as would be evident from the information furnish at **Table no 7.2**. Only RDF work undertaken over 125ha. in 2006-07 and 2000ha in 2007-08 and an amount of Rs. 595313/- and Rs. 9709000/- were spent respectively. There has been no other work undertaken in any other year. A cursory look to the area to be treated furnished at column 3 of the said table will compel to have the conclusion that it has been a joke to form such an Working Circle because implementation of the prescriptions has been more in exception than adherence.

7.16.3 **The Plantation Working Circle**

A total area of 2322.00 ha. was allotted in the Ghumsur South Division under this Working Circle having constituted five plantation series with the sole objectives of re-stocking the degraded as well as the blank areas through artificial regeneration.

RESULT: The area allotted under this Working Circle is around 2.1% of the whole Working Plan area of the Division. Target and achievement in different years during the previous plan period is furnished at **Table No.7.3**. It is observed that the prescriptions of working plans have been flouted more than adherence. No block plantation was taken up during the year 2006-07 to 2009-10 causing measure deviation. Mostly plantation activities with lesser plant population than what has been prescribed (called as Rehabilitation Degraded Forests) taken up against the prescription. Even the block plantation was taken up to the extent of even 960 hact in one single year i.e. 2010-11. Apart from all the deviations large scale plantation taken up outside the working plan prescription area i.e. in forest area other than reserved forests. It appears the DFO took up plantation because of “Top down approach” i.e. by thrusting upon the target by the PCCF.

7.16.4 **The Bamboo (Overlapping Working Circle)**

The area allotted to this Overlapping Working Circle was 62,889.85 ha. with sufficient commercial bamboo stock. The area of this working circle over lapses the forest block allotted to Selection and Eco-restoration working circle. *Dendrocalamus strictus* (Salia

bamboo) is the main species though bambusa arundinacea grows over small patches along the permanent nalas and rivers. The bamboo coupes of reserved forests and nonreserved forests follow a different cutting cycles. Regeneration of bamboo is excellent in Pandakhol and Badagada Forest Block. The yield of bamboo was regulated by area. It was prescribed that bamboo shall be worked by a definite rule prescribed by the CCF (Central) Eastern Regional Office, MoEF, Govt. of India, Bhubaneswar communicated vide PCCF's Memo No.26951 dated 28.12.1990. The silvicultural system adopted was culm selection cum clump improvement coupled with cultural operation.

RESULT: The Bamboo Coupes were not worked during the two initial years of the Plan Period *i.e.* 2001-02 and 2002-03. But from 2003-04 onwards the Bamboo coupes were worked out in all the 14 cutting series. Under para 14.9.1 it was prescribed that if bamboo cutting is not taken up in a particular year in any forest block the same may be taken up in subsequent years in addition to the area earmarked for that year. But it appears the coupes of 2001-02 and 2002-03 were not taken up for working afterwards. Because of reduction in demand of bamboo by the paper mills because of being uneconomic as pulpwood due to high extraction cost the working of bamboo became a problem. There was no exercise done to assess actual requirement of long bamboo and no target was fixed upon OFDC to produce long bamboo. There is no consistency in production of both industrial and commercial bamboo. The production potential bamboo varies from year to year and mostly the production is less than the target (Potentiality). There is not much demand of commercial bamboo albeit having a large number of bamboo craft making community in Ganjam District. Very often commercial bamboo were converted to Industrial bamboo and then delivered to Paper Mill. The achievement of this working circle is furnished at **Table No. 7.4.**

Table No. 7.1: Timber and Firewood Production

As per Working Plan Prescription						Result of Actual Working											
Year	No of Coupes marked	Area (in Ha)	No of trees to be marked & Felled			No of trees actually marked			No of trees actually felled			Reason for not felling	Out Turn		Whether SSO taken up in the year following and if yes amount spent	Remarks	
			Sal (1 trees ha.)	Other (2 trees Ha.)	Total	Sal (1 trees ha.)	Other (2 trees Ha.)	Total	Sal (1 trees ha.)	Other (2 trees Ha.)	Total		Timber (in Cum)	F.W in MT of (12'x3'x3' stack)			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
2001-02		Timber Operation was not taken up due to ban on tree felling															
2002-03		-do-															
2003-04		-do-															
2004-05		-do-															
2005-06		4	1470.52	1470	2940	4410	326	263	589	326	263	589	--	245.5122	100.5	--	
2006-07		4	1408.06	1408	2816	4224	138	150	288	138	150	288	--	188.5902	108.5	516205	
2007-08		4	1522.79	1522	3044	4566	200	183	383	200	183	383	--	228.5932	87.5	970000	
2008-09		4	1390.95	1390	2780	4170	185	155	340	185	155	340	--	223.0833	82.5	868500	
2009-10		4	1200.00	1200	2400	3600	216	68	284	216	68	284	--	167.7898	64.5	1080815	
2010-11		4	2197.34	2197	4394	6591	118	150	268	118	150	268	--	209.8483	82	224820	
2011-12		1	378.14	378	756	1134	54	17	71	54	17	71	--	52.0833	10	1873913	
2012-13		4	1825.97	1825	3650	5475	317	113	430	317	113	430	--	355.0345	65	5613289	

N.B:- The Crop year 2011-12 1 No. Coupe worked by OFDC Ltd. other 3 Nos of Coupes not taken delivery by OFDC Ltd. due to non available of sufficient no of exploitable girth trees. (Source – D.F.O, Ghumsur South Division, Bhanjanagar vide Memo No. _____ dated 19.02.2014.)

Table No. 7.2: Working of Forest under Eco-Restoration Working Circle during P.K.Jha's Plan Period.

Year	Prescription as per Working Plan		Treatment done as per Actual Working								Expenditure incurred	Treatment which could not be done for want of funds.			Present condition of the treated area	Whether the treated area has improved in restocking as compared to the untreated area	Remarks (Give reason for not carrying out all the prescriptions of working plan)
	No. of Coupes to be treated	Area to be covered (in ha.)	No. of Coupes treated	Area Treated (in Ha.)	Whether demarcation of annual Eco-restoration area done in the proceeding year or not.	Plantation done			SMC work under taken	No. of VSS involved in protection and execution of work		Block plantation (in Ha.)	RDF (in Ha)	SMC			
						Block plantation (in ha.)	RDF (in ha)	Total (in ha.)									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
2001-02	18	7599.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2002-03	19	8877.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2003-04	19	8120.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004-05	19	8949.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2005-06	19	8919.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006-07	18	8401.57	5	125	-	-	125	125	125	-	595313	-	-	-	-	Yes	-
2007-08	20	8721.10	23	2000	-	-	2000	2000	2000	-	9709000	-	-	-	-	Yes	-
2008-09	17	8792.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009-10	17	8099.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2010-11	16	8416.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2011-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2012-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(Source – Divisional Forest Officer, Ghumsur South Division, Bhanjanagar vide Memo No. _____ dated 19.02.2014.)																	

Table No. 7.3 : Working of Plantation Working Circle during P.K.Jha's Plan															
Year	As per Working Plan Prescription			Results of Actual Working										Reasons for taking plantation against Working Plan prescription	Remarks
	Plantation to be taken up			Plantation Taken up			Areas not covered under plantation against what has been recommended in the Plan			Plantation raised outside the Working Plan prescribed area					
	Blcok Pltn (1600 Plants/Ha.)	Other plantation with lesser no. of seedling (< 1600 Plants/Ha.)	Total in Ha.	Blcok Pltn (1600 Plants/Ha.)	Other plantation with lesser no. of seedling (< 1600 Plants/Ha.)	Total in Ha.	Forest Block	Area in Ha.	Reason	RF	Forest area other than RF	Revenue land/Non Forest Land	Total		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2001-02	250	-	250	330	300	630	-	-	-	95	100	-	195	Plantation taking up according to availability of fund & target fixed by Principal Chief Conservator of Forests, Odisha Bhubaneswar.	-
2002-03	230	-	230	100	0	100	130	-	-	-	-	-	-		-
2003-04	183	-	183	350	1026.448	1376.448	-	-	-	60	100	-	160		-
2004-05	205	-	205	120	879.236	999.236	85	-	-	-	-	-	-		-
2005-06	246	-	246	200	0	200	46	-	-	100	100	-	200		-
2006-07	261	-	261	0	345	345	261	-	-	100	145	-	245		-
2007-08	242	-	242	0	2890	2890	242	-	-	1400	1490	-	2890		-
2008-09	312	-	312	0	2600	2600	312	-	-	1200	1400	-	2600		-
2009-10	240	-	240	0	315	315	240	-	-	100	115	-	215		-
2010-11	183	-	183	960	67.4	1027.4	-	-	-	200	400	-	600		-
2011-12	-	-	-	100	830	930	-	-	-	100	830	-	930		-
2012-13	-	-	-	140	70	210	-	-	-	100	110	-	210		-
Source – Divisional Forest Officer, Ghumsur South Division, Bhanjanagar vide Memo No. _____ dated 19.02.2014															

Table No 7.4 : Working of Forest under Bamboo (Overlapping) Working Circle during P.K.Jha's Plan Period

Year	Prescription as per		Production of IB in (SU)								Commercial Bamboo in No.					Whether the full potential of the coupes tapped or not	Reason of low production	Daba bamboo produced if any and its mode of disposal	Remarks (Whether health of the forest is increasing /decreasing/remaining same as before with reason for both IB & CB)
	No of coupes to be worked	Area to be covered (in ha)	Target (Potentiality)	Production	Shortage of Excess	Whether fully lifted by OFDC (including the working period with extension)	Bottlenecks if any (Hike in labour chagre/flash flood /fire/theft) etc for not achieving the target and not doing complete transportation	No of coupes offered to OFDC but surrounded without working	Reason of not working and whether the said coupes are worked by the Dept	SSO workdone in the same or subsequent year	Target	Production	Disposal						
													Through Auction sale by OFDC	Through TARR	By converting to ISB				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001-02	Not taken delivery of bamboo coupes by the OFDC Ltd.																		
2002-03	Not taken delivery of bamboo coupes by the OFDC Ltd.																		
2003-04	14	16162.42	4000 SU	3165.00	--	Yes	Not required	;	on account of 'B' & 'C' type coupes & Economical not profitable	--	250 SU	7000	7000	--	--	--	Hill area, Labour Problem & Not economical	by way of sale to Paper Mill/RMP	Remaining same
2004-05	14	15243.33	11100 MT	6996.29	--	Yes	-do-	4	-do-	--	--	30388	19500	2585	83303 Pcs =22.62 SU(19,880 MT)	--	-do-	-do-	-do-

2005-06	14	15334.07	10500 MT	7942.88	--	Yes	-do-	1	-do-	--	52500 Nos	--	--	--	--	--	-do-	-do-	-do-
2006-07	14	16150.03	9500 MT	7327.77	--	Yes	-do-	1	-do-	--	52500 Nos	5021	3021	2000	--	--	-do-	-do-	-do-
2007-08	14	16162.42	9000 MT	4254.70	--	Yes	-do-	1	-do-	--	25000 Nos	9483		9333	150 Nos 22 FB ISB=0.44 SU(410 MT)	--	-do-	-do-	-do-
2008-09	14	15243.33	5000 MT	4967.29	--	Yes	-do-	1	-do-	Yes	20000 Nos	14387	3137	11250	--	--	-do-	-do-	-do-
2009-10	14	15334.07	9000 MT	3732.82	--	Yes	-do-	1	-do-	Yes	5000 Nos	8090	6090	2000	--	--	-do-	-do-	-do-
2010-11	14	16150.03	9500 MT	6091.65	--	Yes	-do-	1	-do-	Yes	52500 Nos	6355	4355	2000	--	--	-do-	-do-	-do-
2011-12	14	16162.42	5000 MT	6354.60	--	Yes	-do-	2	-do-	Yes	20000 Nos	5673	4600	--	1073 pcs=3.12 SU Not yet lifted	--	-do-	-do-	-do-
2012-13	14	15243.33	--	--	--	Yes	-do-	13		Yes	--	3125	3125	--	--	--	--	--	--

NB:- Total 17 Nos of coupes due for working in this division out of 14 Nos of coupes as per P.K Jhas Plan period from 2001-02 to 2010-11 & Balance 3 Nos Coupe namely Goudagotha B/C, Merikote B/C & Mahisikhata B/C as per Paralakhemundi Plan Prepared by Pusa Jule Mekro IFS Period from 2006-07 to 2015-16.

(Source: DFO, Ghumsur South Forest Division)

7.16.5 The NTFP (Overlapping) Working Circle

This Overlapping Working Circle is co-terminus with the whole of the Working Plan area of Ghumsur South Division. An area of 102091.61 Ha (144196.45 ha. including Berhampur Division) was assigned under this Overlapping Working Circle. This Working Circle was introduced for the first time in the outgoing Plan by Mr. Jha. The special objectives of management of NTFP items were sustainable collection, treatment and value addition thereof, protection of NTFP species, above all creation of employment opportunity and involvement of people through VSS etc.

The Govt. of Odisha have formulated new policy on NTFP in March, 2000 and the people have been given a right to collect and trade 68 NTFPs. The collection cycle of all NTFPs shall be for one year.

RESULT: No substantial work had been carried out for estimating the production potential of NTFP items in the forests through Forest Inventory. Though no detail field exercise was carried out for assessing the above potentiality of forests but a marketing survey was carried out by the OFDC in the year 2005-06 under funding from the National Medicinal Plan Board, Govt. of India and the findings were deliberated upon at a State level Workshop and the recommendations were forwarded to all quarters. Such type of exercise on finding out the marketing potential was done for the first time in Odisha but it was never published. The basin principle was to gather information from primary collectors, retailers, sellers, traders, local weekly haats etc. and a correlation was made as to the production (both raw and processed), sale and purchase of NTFPs and based on general trend an inference was being drawn for demand and supply of different items. Though proper documentation has not been done, yet it gives an idea about the potentiality of demand and supply in the local market.

The 2000 NTFP policy of Govt. virtually opened the flood gate for unscrupulous traders as the Forest Department had not much option to control the transaction of NTFP as it was vested with the Gram Panchayats. Regular price fixation was not held every year by the District Price Fixation Committee and no record was maintained regarding the quantum of collection of different NTFP. The DFO could not get the data for the year from 2006-07 to 2012-13 from the District Panchayat Officer, Ganjam. Only few NTFP

traders, particularly for sal leaf plate who submitted monthly return during the period 2000 to 2013 is furnished at **Table No.7.5** which shows a very sorry state of affairs.

Table No 7.5: **Sal leaf Plate.**

Name of the Range	Year	Name of the Dealers	Production (in Qtl.)	Royalty (in Rs.)
	2000-01	--	NiL	NiL
	2001-02	--	NiL	NiL
	2002-03	--	NiL	NiL
	2003-04	--	NiL	NiL
Buguda	2004-05	Sanatan Naik S/O-Bhika Naik At/Po-Gohiribadi, Via-Mujagada Dist-Ganjam	420	4440.00
		Debendra Nath Sahu S/o- Mangulu Sahu At/Po-Komonda, PS-Odagaon Dist - Nayagarh		
		Jhunu Sahu W/o-Debendra Nath Sahu At/Po-Komonda, PS-Odagaon Dist - Nayagarh		
Surada		Satyanarayan Panda S/o-Late Radhamohan Panda At/Po-Aska Dist- Ganjam		
Surada	2005-06	Chabilal Naik, S/o-Pabana Naik At-Rajukundu Palli, Po-Badakodanda Dist-Ganjam	574	16854.00
		Debendra Nath Sahu S/o- Mangulu Sahu At/Po-Komonda, PS-Odagaon Dist - Nayagarh		
Buguda		Jhunu Sahu W/o-Debendra Nath Sahu At/Po-Komonda, PS-Odagaon Dist - Nayagarh		
Buguda	2006-07	Satyabaji Patra S/o-Surjyanarayan Patra At/Po- Karchuli Dist-Ganjam	2325.50	31686.00
		Samila Patra S/o-Surjyanarayan Patra At/Po- Karchuli Dist-Ganjam		
Surada		Chabilal Naik, S/o-Pabana Naik At-Rajukundu Palli, Po-Badakodanda Dist-Ganjam		
Buguda	2007-08	Satyabaji Patra S/o-Surjyanarayan Patra At/Po- Karchuli Dist-Ganjam	963.39	11400.00
		Abhi Naik S/o- Saiba Naik At/Po-Karsingi Dist-Ganjam		
Surada		Chabilal Naik, S/o-Pabana Naik At-Rajukundu Palli, Po-Badakodanda Dist-Ganjam		
Buguda	2008-09	Abhi Naik S/o- Saiba Naik At/Po- Karsingi Dist-Ganjam	850.70	5880.00

Name of the Range	Year	Name of the Dealers	Production (in Qtl.)	Royalty (in Rs.)
Surada		Satyabaji Patra S/o-Surjyanarayan Patra At/Po- Karchuli Dist-Ganjam		
		Santhosh Kumar Pradhan S/o-Bhagaban Pradhan At/Po-Karchuli Dist-Ganjam		
		A. Chandra Rao S/o- Raghunandan Rao Marthapeta Street, Badabazar, Berhampur Dist-Ganjam		
Buguda	2009-10	Abhi Naik S/o- Saiba Naik At/Po- Karsingi Dist-Ganjam	550.00	10200.00
		Santhosh Kumar Pradhan S/o-Bhagaban Pradhan At/Po-Karchuli, Dist-Ganjam		
Surada		Asish Kumar Panda S/o- Hrusikesh Panda Jagannath Bihar II lane Berhampur Dist-Ganjam		
Surada	2010-11	Asish Kumar Panda S/o- Hrusikesh Panda Jagannath Bihar II lane Berhampur Dist-Ganjam	400.00	7800.00
Buguda	2011-12	Satyabaji Patra S/o-Surjyanarayan Patra At/Po- Karchuli, Dist-Ganjam	336.00	13200.00
Surada		Asish Kumar Panda S/o- Hrusikesh Panda Jagannath Bihar II lane Berhampur Dist-Ganjam		
Surada	2012-13	Asish Kumar Panda S/o- Hrusikesh Panda Jagannath Bihar II lane Berhampur Dist-Ganjam	200	6480.00

7.16.6 The Wildlife Overlapping Working Circle

This Overlapping Working Circle was also co-terminus with whole of the management area of the Division i.e. 102091.61 Ha. Since this Division is rich in Black Buck and Peacock population special emphasis was given to improve their habitat in the outgoing Plan. Emphasis was also given to improve the habitat of giant fresh water Turtle in Golia Village by raising peripheral plantation around the ponds which are abode to these fresh water turtle.

RESULT: During the outgoing Plan period three water harvesting tanks in Aska and one in Buguda were created. As far as the involvement of the local people, the achievement was satisfactory. This can be seen by the award of the State highest Wildlife Award – the Biju Patnaik Wildlife Conservation Award - received by the Black Buck Management Committee and the Protection Committee in the year 2005 and 2006 respectively. It was recommended to

declare the Balipadar – Bhetnoi area well known for Black Buck population, declare as game reservoir in 1989 under section 36 of W.L. (Protection) act, 1972 as a “ Closed area” under section 37 of the amended W.L. (Protection) Act as the earlier provision of declaring game reservoir seized to exist in the amended act but this has not been done. No steps taken to cover this area with the tourists circuit as proposed in previous plan.

7.16.7 Protection Overlapping Working Circle

This Overlapping Working Circle in the outgoing Plan was also co-terminus with the Plan area of the Division. The forests of this Division are theft prone and menace of encroachment is high in Sorada, Buguda, Badagada and Polosara Ranges. This Overlapping Working Circle was newly created in the outgoing Plan.

RESULT: The available infrastructure like mobility, arms, manpower, connectivity and gathering of intelligence were available in a limited extent. However, efforts were rendered for forest protection. The flow of funds increased under different Central Schemes such as IAEPS (Integrated Afforestation & Ecodevelopment Scheme), IFM (Integrated Forest Management Scheme), 13th Finance Commission Grant , Fire Prevention Scheme etc. under which the DFO were empowered to protect the forest from illicit felling, fire etc. by engaging forest protection Squads, hiring of vehicle, purchase fire fighting equipments, GPS, and computerization.

7.17 PAST YIELD, REVENUES AND EXPENDITURE

7.17.1 The annual revenue and expenditure of Ghumsur (South) Division from 1940 - 41 (since the creation of the division) until 1999 - 2000 is furnished in the outgoing Plan and it is not repeated here. However the Revenue/Expenditure for the year 2001-02 to 2012-13 along with scheme wise expenditure breakup is furnished at Table No 5 in the chapter V. The flow of fund has increased almost 5-6 times after 2006-07 mainly due to implementation of CAMPA.

CHAPTER - VIII

STATISTICS OF GROWTH AND YIELD

8.1 PAST STATISTICS

8.1.1 Mr. Minchin had collected statistics relating to the rate of growth of Ghumsur Sal during 1919 and used the same for preparation of the Working Plan of Ghumsur forests. Mr. Nayar adopted the said statistics for the Working Plan prepared for the period 1930 - 31 to 1939 - 40. Mr. Minchin's figures were based on ring counting and measurement of single trees and not of whole crop. Trees used for the purpose of ring counting and measurement were specimens that had not grown up under unfavourable circumstances, and they were ordinary dominant trees. These statistics have not been used in subsequent Working Plans as because there was tendency to select trees that were better than average and ring counting of Sal was used for calculation of age of Sal. The literature shows that the annual (growth) rings of Sal are neither real growth marks nor are they annual.

8.1.2 Minchin and Nayar classified Sal into qualities I, II and III according as it fell into height classes 90' - 110', 70' - 90' and below 70' which corresponded to Dehradun quality class II, III and IV respectively. Khan's Working Plan had adopted the standard Dehradun classification of Sal. Mohanty's Plan had adopted the classification proposed by Griffith and Sant Ram, which was based on the data of 244 permanent sample plots involving 674 periodical measurements in the calculation. These sample plots are inclusive of 30 samples of Orissa with 49 sets of measurement. The quality classes prescribed are provided in **Table No. 8.1**.

Table No. 8.1: Quality Class of Sal followed in Mohanty's Working Plan

Quality Class	Crop age (Years)	Crop Height (Meters)
I	120	39.6
II	120	32.3
III	120	25.3
IV	120	18.3
Source : "Yield and stand table for Sal" 1942 (By Griffith and Sant Ram)		

8.1.3 The growth rate and yield of the growing stocks of a particular forest is regulated by different parameters like the geology, climatic factor, position of ground water table, mineral content of soil and biomass on the particular patch. So at the time of assessment of growth and yield of growing stock, a localized patch needs to be considered and all research works need to be focused on that patch to curb the impacts of the above said factors. But unfortunately Ghumsur South Forest Division does not have any such experimentation wings to assess the growth rate and yield of the forest crop on a regular basis. No departmental research work has been undertaken by the Silviculture and Research wings of Forest Department within the jurisdiction of Ghumsur South Division. No research station of the Govt. or by any private agency exists within the erstwhile Division from where information's and data on the growth rate and yield of forest crop could be obtained. Under these circumstances the Working Plan officer does not have the scope of getting up dated data on research within Ghumsur South Division. In the absence of permanent sample plots in the Division, it is not possible to ascertain the growth and yield of Sal and other species. In the absence of time series data at local level and appropriate analytical tools, the Working Plans of Orissa generally have been considering the following literature.

SAL (*Shorea robusta*):

- a) Yield and stand tables for Sal (*Shorea robusta*) High forests, by A. L. Griffith and Bakshi Santram, Indian Forest Records (New series), Volume 4 (A), No. 4, 1943.
- b) Yield tables for clearfelled Sal (*Shorea robusta*) coppice by S. H. Howard, Indian Forest Records (Silviculture Series), Volume XII, Part - IV, 1962.
- c) General volume tables for Sal (*Shorea robusta*) by S. H. Howard, Indian Forest Records (Silviculture series), Volume X, Part - IV, 1924.
- d) Volume and outturn tables for Sal (*Shorea robusta*) by S. H. Howard, Indian Forest Records (Silviculture Series) Volume XII, Part - I, 1925.
- e) The uneven aged Sal Forests of Ramnagar Forest Division, Uttar Pradesh, their constitution, rate of growth etc. along with empirical yield and stands tables for selection type of Sal crop by Sri G. S. Mathanda, Indian Forester, Volume 84, 1958.
- f) Branch, small wood tables for *Shorea robusta*, *Tectona grandis*, *Pinus excelsa* and *Pinus longifolia*, Indian Forest Records (Silviculture series), Volume XVI, Part - VI, 1932.

TEAK (*Tectona grandis*):

- a) Yield and stand tables for plantation Teak (*Tectona grandis*), Indian Forest Records (New Series), Silviculture, Volume IX, No. 4, 1959.

ASAN (*Terminalia tomentosa*):

- a) General standard and commercial volume tables for Asan (*Terminalia tomentosa*) by A. L. Griffith and Bakshi Santram, Indian Forest Records (New Series), Silviculture, Volume 4 (A), No. 5, 1947.

HALAND (*Adina cordifolia*):

- a) An approximate volume table for Haldu (*Adina cordifolia*) by H. C. Mobbs, Uttar Pradesh Forest Leaflet No. 6.

KHAIRA (*Acacia catechu*):

- a) Commercial timber (Katha) and heart wood volume tables for Khaira (*Acacia catechu*) in North India by H. G. Champion, I. D. Mahendru and P. N. Suri, Indian Forest Records (Silviculture Series), Volume XIII, Part - IX, 1929.
- b) Standard commercial and heartwood volume tables (Factory Working) for Khaira (*Acacia catechu*) in North India by H. G. Champion and I. D. Mahendru, Indian Forest Records (Silviculture Series), Volume XV, Part - III, 1931.

SISSOO (*Dalbergia sissoo*):

- a) Preliminary yield table for *Dalbergia sissoo* by S. H. Howard, Forest Bulletin No. 52, (Silviculture), 1925.
- b) Provisional yield tables for *Dalbergia sissoo* in the irrigated plantation of the Punjab by Bakshi Santram, Indian Forest Records (New Series), Volume 4 (A), No. 2, 1941.
- c) Standard and commercial volume tables for *Dalbergia sissoo* by M. A. Kazi, Indian Forest Records (Silviculture series), Volume II, No. 2, 1936.

SEMAL (*Bombax ceiba*):

- a) Volume tables and diameter growth for semal (*Bombax ceiba*) by I. D. Mahendru, Indian Forest Records (Silviculture Series), Volume XV, Part - IV, 1932.

DHAURANG (*Holoptelea integrifolia*) & PANIGAMBHAR (*Trewia nudiflora*):

a) Provisional volume tables and diameter growth for *Holoptelea integrifolia* & *Trewia nudiflora* by I. D. Mahendru, Indian Forest Records (Silviculture Series), Volume XV, Part - VII, 1933.

KARADA (*Cleistanthus collinus*), PIASAL (*Pterocarpus marsupium*), & S. MAI (*Lannea coromandelica*):

a) Standard and commercial volume tables for (*Cleistanthus collinus*) by S. N. Dabral, P. K. Bhattacharya, R. C. Jain and Tarlok Singh.

b) Standard and commercial volume tables for *Pterocarpus marsupium* by S. N. Dabral, P. K. Bhattacharya, Tarlok Singh and D. S. Rawat.

c) Standard volume tables for *Lannea coromandelica* by S. N. Dabral, and D. C. Sharma, Indian Forest Records (New Series), Silviculture, Volume II, No. 7.

8.1.4 The literatures mentioned in above paragraphs are very old and generalized. These data had been collected from the localities that were different from the conditions prevalent in the Ghumsur (South) Division. The local volume and yield table could not be developed because of the constraints in the available resources. Therefore, the statistics provided in these literatures were not used for the present Working Plan.

8.1.5 The mean annual increment (MAI) could not be calculated because of non availability of complete past enumeration data. As far as the immediate expiring plan is concerned, it relies on data worked out of stratified enumeration conducted in Pondakhhol and Dhaugam Forest Blocks and that too in respect of Sal, Asan, Haland and others only. Secondly, it is difficult to collect a detailed and correct account of timbers removed legally and illegally during the last Plan period. Therefore an attempt has been made in this Plan to utilize the data, worked out of 5% systematic enumeration in SWC and 1% in other working circles, for creating a bench mark for calculation of Mean Annual Increment (MAI) during subsequent revision provided the method used by this Plan is also used in future Plans and the exact data on legal and illegal removal is available. In order to create the aforesaid benchmark, volume of the growing stock has been calculated by using local volume equations developed by the Forest Survey of India (FSI), Dehradun.

8.2 LOCAL VOLUME EQUATION

8.2.1 The Forest Survey of India has developed local volume equation for different forest species both principal and secondary species taking the forest of Phulbani, Sambalpur and Koraput district as per their sampling for Orissa state. The ‘Report on Resources Survey of Phulbani Forest Catchment (Orissa) prepared by Forest Survey of India, Dehradun, 1982 has been referred to for relevant local volume equation for determination of volume and yield in the Jha’s plan. The same local volume equations have been used in this Working Plan as well but it covers 12 species except miscellaneous species as against eight species (miscellaneous species) in Jha’s plan. It is presented in **Table No. 8.2**. In these equation ‘V’ denotes under bark round timber in cum. And “D” denotes Diameters over bark at breast height in meters.

Table No. 8.2: **Local Volume Equations of various species**

Species	Local Volume Equations	Remarks
SAL	$V = 0.109884 - 1.804754 D + 10.297714 D^2$	Developed by Forest Survey of India, Dehradun on the basis of field data collected from Phulbani, Balliguda and Parlakhemundi districts (all neighbouring divisions) The Forest Survey of India has developed Local Volume Equation for both principal & secondary species for Odisha State.
BIJA	$V = 0.058424 - 1.233468 D + 9.433633 D^2$	
SISOO	$V = 0.00965 + 0.58546 - 2.5605 D^2 + 24.34215 D^2$	
ASAN	$V = 0.103171 - 1.684599 D + 10.107586 D^2$	
JAMUN	$V = 0.08444 - 1.26801 D + 8.75274 D^2$	
MAHULA	$V = 0.030925 - 0.567067 D + 5.709471 D^2$	
BANDHAN	$V = 0.057424 - 1.153088 D + 8.542648 D^2$	
S. MAI	$V = 0.057424 - 1.153088 D + 8.542648 D^2$	
BAHADA	$V = 0.103171 - 1.684599 D + 9.433633 D^2$	
KASI	$V = 0.035142 - 0.839708 D + 8.157614 D^2$	
HALANDA	$\sqrt{V} = - 0.153360 + 2.802965 D$	
KENDU	$V = - 0.009124 - 0.494103 D + 7.610416 D^2$	
MISC.	$V = 0.088074 - 1.449236 D + 8.760534 D^2$	
Note: In the above volume equations, V refers to under bark round timber volume in cum; D is dbh, diameter over bark at breast height in meters. For tree species such as Gambhar, Mundi, Mango, Tamarind, Amla, Chara, Harida, Kusum, Bela Volume equation applicable for miscellaneous species has been used.		
Source : FSI report on “Phulbani Forest Catchment”		

8.2.2 In order to ascertain number of trees, species-wise and girth class-wise in a given forest block, each enumeration strip was taken as a sample point and the area of each strip was computed. In this manner, species-wise trees per girth class per ha were ascertained by dividing number of trees in each strip (X_i) by the areas of the strip. Total number of strips in the given forest blocks constituted the sample size ($n=297$). From this data, sample mean $\bar{X}$ and sample standard deviation (s) were obtained by using the following formulae:

(i) Sample Mean = $\bar{X} = \sum x_i / n$

(ii) Sample standard deviation = $s = \sqrt{\sum (x_i - \bar{X})^2 / (n-1)}$

8.2.3 This results were further used to estimate population mean (*i.e.* $\mu_1 = \bar{X}$), *i.e.* number of trees (species-wise and girth class-wise) per ha in the given block and the population standard deviation (*i.e.* $\sigma = s/\sqrt{n}$). It gives the standard error of mean for each forest block. Forest block-wise standard errors are reported for each species in **APPENDIX – XIV** in abstract form at the end. The population mean multiplied by the area of the forest block shall give species-wise/girth class-wise number of trees of the given species in the specified girth class in that forest block.

8.2.4 The local volume equations given in the Table No. 8.2 have been used to estimate average volume per tree (VI), species-wise and girth-class-wise. Diameters corresponding to mid-girth class have been taken as a representative of that girth class. The value of D for different girth classes have been taken as follows:

$D =$	0.14m for girth class	30 - 59cm
$D =$	0.24m for girth class	60 - 89cm
$D =$	0.33m for girth class	90 - 119cm
$D =$	0.43m for girth class	120 - 149cm
$D =$	0.53m for girth class	150cm and above

8.3 ENUMERATION

8.3.1 Partial enumeration was carried out in all forest blocks that sustain the quantum of forest growth for meaningful enumeration. Thus, 5% enumeration has been done in SWC (Total area 763.23 ha) and 1% enumeration in all other working circles (964.15 ha) as per the decision taken in the 2nd PWPR meeting chaired by the PCCF.

8.3.2 **Methodology :** The method adopted was systematic sampling of each compartment. The base line is marked on the map and the entire compartment area is divided

into a number of sections of width, corresponding to the 5% or 1% intensity in SWC and RWC, as the case may be. It means the sections are made at the distance of 20 chains (400 mt) apart in SWC and at a distance of 100 chains (2000 mt) apart in all other circles. The following data were collected.

- (i) Number of trees of different species in each girth class.
- (ii) Actual measurement of all trees above 30 cm girth at breast height.
- (iii) The total length of the enumeration in chains.
- (iv) Data for regeneration survey

8.4 ANALYSIS OF ENUMERATION RESULT

8.4.1 Each enumeration strip was taken as a sample. The number of trees recorded in each enumeration strip was classified as per girth at breast height for different species. All enumeration strip of a particular compartment is summed up. In this way, the species wise number of trees per girth class was determined for each compartment. Enumeration results are given in **APPENDIX – XV**.

8.4.1.1 As per decision on the 2nd PWPR meeting, the stock mapping of 01 Range *i.e.* Sorada Range has been done as per NRSA Data. ORSAC was requested to provide Sample Points over Sorada Range by NRSA method, for taking up inventory. Accordingly 900 sample points were given by ORSAC on all the forest blocks of Sorada Range. Out of 900 sample points, 16 no of points were located on the part of Raipada RF of Badagada Range. So, the enumeration result of 884 Sample Points has been compared with the Strip Enumeration results. Out of 884 sample points, 748 sample points are coming under SWC area and 136 sample points are coming under RWC area. Based on the stratified layers, sample points were allotted in compartments and blocks for carrying out field inventory. The inventory points were located on the ground by using navigation technology through GPS. After locating the sample points, the area of 0.1 hector was demarcated around the sample point.

In the Forest Blocks coming under SWC area of Sorada Range, the number of Sal tree per hectare as per Strip Enumeration Method comes to 32 and Non-Sal tree is 238, whereas the number of Sal tree per hectare as per Sample Point Enumeration Method comes to 74 and Non-Sal tree is 390. Similarly, In the Forest Blocks coming under RWC area of Sorada Range, the number of Sal tree per hectare as per Strip Enumeration comes to 38 and Non-

Table No. 8.2(a): **Abstract of Strip Enumeration (SWC) of Sorada Range of Ghumsur South Forest Division**

No of Compts. : 38

Total Area (Ha.) : 15264.67

Total Strip Area (Ha.) : 763.23

Sl.	Blocks	30-59 cm	60-89 cm	90-119 cm	120- 149 cm	150-179 cm	>180 cm	TOTAL
1	Dhaugam	5149	2445	722	179	59	15	8569
2	Pandakhol	113139	54719	19751	7186	2145	754	197694
		118288	57164	20473	7365	2204	769	206263

TOTAL NO OF TREES IN SORADA RANGE

SAL	12293	6643	3195	1673	675	262	24741	32
NON-SAL	105995	50521	17278	5692	1529	507	181522	238
	118288	57164	20473	7365	2204	769	206263	270

PERCENTAGE OF ESTIMATED SPECIES

SAL	10.39	11.62	15.61	22.72	30.63	34.07	11.99	12
NON-SAL	89.61	88.38	84.39	77.28	69.37	65.93	88.01	88
	100	100	100	100	100	100	100	100

Table No. 8.2(b): **Abstract of Strip Enumeration (RWC) of Sorada Range of Ghumsur South Forest Division**

Forest Range : Sorada

No of Compts. : 25

No of Blocks : 09

Total Area (Ha.) : 11570.20

Strip Intensity: 1%

Total Strip Area (Ha.) : 115.70

Sl.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL	TREE / Ha.
1	2	3	4	5	6	7	8	9	10
1	SAL	1791	1220	694	442	180	109	4436	38
2	MAI	1144	717	359	147	40	8	2415	21
3	ASAN	423	183	154	60	26	13	859	7
4	CHAR	1525	415	66	7	0	0	2013	17
5	GAMBHAR	0	1	6	2	2	2	13	0
6	KUSUM	419	181	150	57	23	10	840	7
7	KENDU	304	217	106	27	5	4	663	6
8	KASHI	93	94	50	26	7	0	270	2
9	HARIDA	101	106	76	18	5	1	307	3
10	BAHADA	25	25	16	2	2	2	72	1
11	MAHULA	358	281	130	43	22	9	843	7
12	HALANDA	159	77	97	41	19	14	407	4
13	MUNDI	112	75	46	31	2	1	267	2
14	BELA	59	34	5	0	0	0	98	1
15	JAMUN	78	42	20	6	2	1	149	1
16	AMLA	206	42	2	0	0	0	250	2
17	BANDHAN	370	240	129	60	13	3	815	7
18	PIASAL	22	21	11	9	0	0	63	1
19	SISOO	54	39	18	2	0	0	113	1
20	TAMARIND	0	0	0	0	0	0	0	0
21	MANGO	0	1	0	1	0	6	8	0
22	MISC.	6837	2867	997	325	132	78	11236	97
	Total:	14080	6878	3132	1306	480	261	26137	226

Sl.	Blocks	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	B. gochha	1436	862	463	127	46	19	2953
2	Dabuki	340	163	82	51	12	13	661

3	Dhaugam	849	514	220	72	39	14	1708
4	Dhepaguda	808	379	217	69	36	29	1538
5	Hukuma	1705	792	285	177	45	17	3021
6	Mundapita	3400	1440	588	253	118	35	5834
7	Pankalgam	494	213	86	42	20	9	864
8	Pipalapanka	3680	1458	584	214	92	82	6110
9	Pandakhhol	1368	1057	607	301	72	43	3448
	Total:	14080	6878	3132	1306	480	261	26137

TOTAL NO OF SPECIES IN SORADA RANGE

SAL	1791	1220	694	442	180	109	4436	38
NON-SAL	12289	5658	2438	864	300	152	21701	188
	14080	6878	3132	1306	480	261	26137	226

PERCENTAGE OF ESTIMATED SPECIES

SAL	12.72	17.74	22.16	33.84	37.50	41.76	16.97	17
NON-SAL	87.28	82.26	77.84	66.16	62.50	58.24	83.03	83

100	100	100	100	100	100	100	100	100

Table No. 8.2(c) : **Abstract of Sample Point Enumeration (SWC) of Sorada Range of Ghumsur South Forest Division**

Forest Range : Sorada **No of Points:** 748
No of Blocks : 02 **No of Compts.:** 38
Each S.P. Area: 0.1 Ha. **Sample Area.:** 74.8

Sl.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL	TREE / Ha.
1	2	3	4	5	6	7	8	9	10
1	SAL	3309	1401	650	160	24	18	5562	74
2	MAI	1494	724	255	30	6	0	2509	34
3	ASAN	1094	762	194	37	0	0	2087	28
4	CHAR	1784	361	49	1	0	0	2195	29
5	GAMBHAR	0	0	0	0	0	0	0	0
6	KUSUM	551	405	101	27	4	0	1088	15
7	KENDU	1044	329	62	0	0	0	1435	19
8	KASHI	356	221	15	1	0	0	593	8
9	HARIDA	90	171	9	1	0	0	271	4
10	BAHADA	107	23	0	0	0	0	130	2
11	MAHULA	552	297	152	18	4	0	1023	14
12	HALANDA	488	239	77	16	6	0	826	11
13	MUNDI	362	139	18	0	0	0	519	7
14	BELA	137	38	0	0	0	0	175	2
15	JAMUN	501	207	25	5	0	0	738	10
16	AMLA	368	82	5	1	0	0	456	6
17	BANDHAN	493	308	72	0	0	0	873	12

15	JAMUN	74	16	2	0	0	0	92	7
16	AMLA	53	11	0	0	0	0	64	5
17	BANDHAN	17	10	1	0	0	0	28	2
18	PIASAL	4	5	0	0	0	0	9	1
19	SISOO	12	1	0	0	0	0	13	1
20	TAMARIND	1	0	0	0	0	1	2	0
21	MANGO	0	0	2	0	1	0	3	0
22	MISC.	1590	627	143	82	20	8	2470	182
	Total:	3418	1141	233	95	26	11	4924	362

Sl. No.	Blocks	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	<180 cm	TOTAL
1	B. gochha	359	128	16	0	0	0	503
2	Dabuki	188	52	7	0	0	0	247
3	Dhaugam	111	13	3	8	4	3	142
4	Dhepaguda	301	148	22	16	7	2	496
5	Hukuma	479	197	38	31	4	1	750
6	Mundapita	426	199	51	28	6	4	714
7	Pankalgam	73	9	0	0	0	0	82
8	Pipalapanka	1218	295	59	5	2	1	1580
9	Pandakhol	263	100	37	7	3	0	410
		3418	1141	233	95	26	11	4924

TOTAL NO OF SPECIES IN SORADA RANGE

1	SAL	528	148	48	8	4	2	738	54
2	OTHERS	2890	993	185	87	22	9	4186	308
		3418	1141	233	95	26	11	4924	362

PERCENTAGE OF ESTIMATED SPECIES

1	SAL	15.45	12.97	20.60	8.42	15.38	18.18	14.99	15
2	OTHERS	84.55	87.03	79.40	91.58	84.62	81.82	85.01	85
		100	100	100	100	100	100	100	100

8.4.2 The percentage of various species, which constitute the forest crop and their girth wise contribution, is also calculated. As per the De Liocourt's concept established about a century ago for mixed stand, in the ideal selection forests, the number of trees in successive diameter classes should be in a geometric series. It follows that if the number of trees is plotted against diameter classes (or girth class), the resultant curve will be an inverted "J" shape. Those forests, where the number of stems by diameter class (or girth class) decreases in a constant geometric progression, can be termed as balanced forest. The smooth inverted "J" curve will indicate the balanced stand structure of the forest block and more the departure from this nature of curve more unbalanced will be the forest. The shape of the inverted 'J'

curve is better analysed on the basis of the De Liocourt's quotient for successive girth classes which has been presented in **Table No. 8.3**. These curves for 58 No of forest blocks are presented in **APPENDIX – XVI**. From the nature of the inverted “J” curve it may be concluded that only balance crop is available in Pondakhol, Dhaugaon and Pipalpanka block. Except the forests treated under SWC all other forests are highly unbalanced as there is lack of trees in higher girth classes and unusually more trees available in lower girth classes such as 30-59 and 60-89 girth class.

Table No. 8.3: De Liocourt's quotient for successive girth classes

Sl. No.	Name of the Forests Block	Status	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm
1	Pondakhol	RF	2.05	2.92	2.84	3.42	7.01
2	Dhaugam	RF	2.23	4.30	4.15	3.21	5.23
3	Pipalpanka	RF	2.12	2.27	3.27	3.28	6.25
4	Mundapita	RF	4.94	6.38	0.00	0.00	0.00
5	Hukuma	RF	7.18	8.13	1.33	0.00	0.00
6	Bondhagocha	RF	2.27	1.98	2.39	2.46	8.67
7	Dhepaguda	RF	2.26	2.30	2.08	1.09	3.21
8	Dabuki	RF	11.37	6.33	3.00	0.00	0.00
9	Pankalagam	RF	1.87	2.51	2.85	4.00	5.00
10	Budurung	RF	10.80	20.00	0.00	0.00	0.00
11	Chamunda	RF	22.11	9.00	0.00	0.00	0.00
12	Kadapada	RF	22.00	11.50	0.00	0.00	0.00
13	K.Vishnuchakram	RF	22.00	11.50	0.00	0.00	0.00
14	Binodia	RF	22.11	9.00	0.00	0.00	0.00
15	Tangarai	RF	10.80	20.00	0.00	0.00	0.00
16	Nagiri	RF	6.33	13.33	0.00	0.00	0.00
17	Solundi	RF	3.76	12.27	5.50	0.50	4.00
18	Jhollery	RF	15.41	4.50	0.00	0.00	0.00
19	Sandasulia	RF	10.00	26.00	0.00	0.00	0.00
20	Panchabhuti-C	RF	34.00	0.00	0.00	0.00	0.00
21	Kurchuli-B	RF	3.57	0.60	2.34	3.20	5.00
22	Kurchuli-A	RF	3.69	1.39	2.32	3.80	2.50
23	Kriamba	RF	4.20	7.97	4.07	2.84	1.55
24	Panchabhuti-A	RF	6.97	4.28	1.47	8.50	0.00
25	Malijhar-I	DPF	6.42	6.33	6.00	0.00	0.00
26	Kansa	DPF	5.07	10.00	3.00	0.00	0.00
27	Badadanda	DPF	16.63	0.00	0.00	0.00	0.00
28	Chapudia	DPF	9.71	2.83	0.00	0.00	0.00
29	Rasibadi	DPF	4.96	0.00	0.00	0.00	0.00
30	Bhumi dimiripalli	PRF	41.00	0.00	0.00	0.00	0.00
31	Badua	PRF	21.50	0.00	0.00	0.00	0.00

Sl. No.	Name of the Forests Block	Status	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm
32	Malijhar-II	DPF	4.87	5.34	0.00	0.00	0.00
33	Ambadaban	DPF	12.35	6.67	0.00	0.00	0.00
34	Pakadi	DPF	4.14	19.00	12.00	0.00	0.00
35	Gadagada	DPF	19.26	9.50	0.00	0.00	0.00
36	Chemidi	DPF	7.61	15.90	0.00	0.00	0.00
37	Machakhai	DPF	25.63	8.00	0.00	0.00	0.00
38	Hatimunda	DPF	8.88	7.38	1.33	0.00	0.00
39	Suliaguda	DPF	4.97	7.75	6.67	0.00	0.00
40	Gouduni	PRF	8.60	10.00	3.00	0.00	0.00
41	Badagada-C	UDPF	6.67	6.29	20.62	2.60	0.00
42	Kantakhhol	DPF	6.13	7.18	0.00	0.00	0.00
43	Pandaripada	DPF	4.76	5.01	2.92	3.40	2.28
44	Bhalukhai	DPF	1.65	5.67	0.50	0.86	7.00
45	Sodaka-A	DPF	10.80	20.00	0.00	0.00	0.00
46	Sodaka-B	DPF	22.11	9.00	0.00	0.00	0.00
47	Kakudia	DPF	22.11	9.00	0.00	0.00	0.00
48	Jokalundi	PRF	1.51	2.95	1.48	2.59	2.43
49	Paikajamuna	DPF	1.97	3.80	1.08	1.73	2.20
50	P. Daburia	PRF	2.64	1.97	1.68	1.77	2.23
51	Khaladimal	PRF	1.95	2.07	1.98	2.49	2.00
52	Badagada-A	UDPF	3.63	4.91	11.06	3.38	1.60
53	Badagada-B	UDPF	6.01	4.80	7.15	13.50	1.00
54	Goudagotha	DPF	3.84	5.23	11.92	5.00	0.71
55	Merikote	DPF	5.39	4.15	6.55	7.33	3.00
56	Raipada	RF	10.63	7.10	10.00	0.00	0.00
57	Srirampalli	PRF	11.59	4.25	0.00	0.00	0.00
58	Mahisikhata	UDPF	17.37	9.50	0.00	0.00	0.00

8.5 ESTIMATION OF TOTAL POPULATION OF DIVISION SPECIES WISE AND GIRTH CLASS WISE

8.5.1 The sample mean ($\bar{x}$) of each enumerated compartment has been taken as an independent sample points thus, the total sample size (n) is 297. It is used to estimate the entire population mean (μ) that is, species wise and girth wise number of trees per hectare of entire division. This data (i.e. $\bar{x}$, $n = 297$) is used to determine the population mean (μ), the sample standard deviation (s) and population standard deviation or the standard error of mean for the entire division given by $s_x = s / \sqrt{n}$. Multiplication of the population mean and the total area of the forest blocks determine the total number of trees present in the enumerated area. The result of total number of trees of different species per girth class wise is presented in **Table No 8.4**. The details are furnished at Appendix XIV.

Table No. 8.4: **Estimated total number of trees in Ghumsur South Division**

Enumerated Area (Ha): **111680.09**

Area of Enumn. (Ha.): 1727.39

Number of trees by Girth Class Wise and Species Wise

Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
Sal	415270.97	496808.51	202328.85	96168.83	35570.35	12326.50	1258474.02
Piasal	240160.86	52480.07	9735.99	7652.33	0.00	0.00	310029.24
Sisoo	100454.68	19703.93	7003.71	555.07	0.00	0.00	127717.39
Bandhan	220583.51	90995.15	24526.02	6909.90	3877.33	335.75	347227.66
Gambhar	29045.97	3820.78	107.52	35.84	35.84	35.84	33081.79
Halanda	205830.70	63263.87	26492.02	14431.98	4580.89	1578.62	316178.08
Mundi	135793.81	49245.66	15439.55	7330.99	1518.45	497.79	209826.25
Kashi	355502.39	72505.82	12469.76	3169.89	5099.81	215.17	448962.84
Asan	851792.36	259404.61	63954.63	18413.68	9568.69	2133.11	1205267.07
Mai	1532584.72	486642.18	163690.95	59740.22	9095.99	1564.37	2253318.43
Mahula	640175.68	171915.65	37784.11	16116.19	9642.09	2616.12	878249.84
Mango	157086.63	74642.25	23086.22	5151.82	6366.18	6747.99	273081.09
Tamarind	11608.51	6888.15	3714.29	702.70	533.23	348.20	23795.09
Amla	208270.55	32841.32	2897.98	303.47	0.00	0.00	244313.31
Char	1161620.88	223563.76	23888.74	854.48	244.27	18.92	1410191.05
Kendu	732018.31	184507.59	39111.06	11034.38	4209.88	1137.24	972018.44
Bahada	156881.86	25535.25	3751.00	4006.65	78.15	32.77	190285.68
Harida	105975.72	36669.22	12854.76	3707.61	1149.03	219.91	160576.26
Kusum	269499.69	83774.76	36144.30	13876.95	14506.70	4635.12	422437.53
Bela	351563.26	39736.48	3195.70	217.17	579.36	0.00	395291.98
Jamun	253063.54	73385.61	18239.83	4975.18	689.65	31.29	350385.10
Misc.	4590696.78	1339320.11	361502.59	107790.88	42222.94	15513.23	6457046.53
TOTAL	12725481.39	3887650.73	1091919.57	383146.20	149568.83	49987.95	18287754.66

8.6 ESTIMATION OF GROWING STOCK OF THE DIVISION

8.6.1 The summary of above analysis is presented in the form of the total number of trees species wise and girth class wise in the entire Division (where the enumeration has been done) in table 8.4. The total enumerated area is 111680.09 ha and total area of enumeration is 1727.39 ha. Thus, the overall intensity is enumeration is 1.55%. The growing stock has been

accessed based on the volume equations developed by FSI as given in Table no 8.2 as explained at para 8.5. The same has been furnished in **Table No. 8.5**.

Table No. 8.5: Volume of trees in Ghumsur South Division

Enumerated Area (Ha): **111680.09**

Area of Enumn. (Ha.): **1727.39**

Volume of Species per Tree in Cubic Meter

Species	Volume (30-59)	Volume (60-89)	Volume (90-119)	Volume (120-149)	Volume (150-179)	Volume (>180)	TOTAL
Sal	24523.26	134084.33	128627.78	119046.15	72776.66	36355.52	515413.71
Piasal	16964.41	16046.77	6607.84	9736.14	0.00	0.00	49355.16
Sisoo	47928.09	27627.48	18566.18	2498.40	-0.12	-0.39	96619.64
Bandhan	13991.08	24817.96	14892.18	7885.11	7157.23	881.79	69625.35
Gambhar	1652.35	935.57	60.62	38.88	63.82	91.64	2842.89
Halanda	100637.34	45591.78	23271.07	14801.86	5287.33	1987.11	191576.48
Mundi	10656.05	13999.33	9559.71	8486.18	2841.08	1325.53	46867.88
Kashi	27541.52	22004.84	8060.48	3748.11	9595.66	570.27	71520.89
Asan	55737.74	72909.35	41440.65	22974.49	19611.55	6280.04	218953.80
Mai	97208.14	132726.50	99393.03	68171.46	16790.44	4108.52	418398.10
Mahula	40613.55	38456.58	17590.55	13582.20	12864.19	4902.78	128009.84
Mango	8936.25	18277.21	13017.13	5588.31	11336.97	17255.26	74411.13
Tamarind	660.38	1686.66	2094.30	762.24	949.59	890.38	7043.54
Amla	11847.98	8041.66	1634.02	329.18	0.00	0.00	21852.84
Char	66081.62	54742.74	13469.63	926.88	435.01	48.37	135704.25
Kendu	567983.11	236553.64	67960.59	24758.92	11577.01	3645.43	912478.69
Bahada	18149.91	10617.79	3221.19	6182.10	189.85	111.41	38472.24
Harida	6028.69	8978.98	7248.13	4021.74	2046.21	562.34	28886.09
Kusum	15331.14	20513.43	20379.90	15052.68	25833.71	11852.46	108963.33
Bela	19999.53	9730.04	1801.89	235.57	1031.73	0.00	32798.76
Jamun	19858.48	20861.73	11293.56	5759.15	1290.37	83.31	59146.59
Misc.	261152.92	27951.44	203832.61	116923.49	75191.15	39668.84	1024720.46
TOTAL	1433483.54	1247155.79	714023.03	451509.25	276869.44	130620.61	4253661.65

8.7 CAPITAL VALUE OF FOREST

The capital value of standing crop has been done by arithmetic calculation of data furnished at Stock Table 8.5. It is a very subjective matter. Earlier unit value of Timber of 1st class, 2nd class & 3rd class species in girth class wise was used as per the instruction of

the PCCF vide his memo no. 17544 dtd. 04.09.1987. This practice of calculation of royalty at the division level has been dispensed with since 2005-06 for regular lots and since 2008-09 for irregular lots. These days uniform rate of royalty is assessed for the whole of the state upon mutual agreement between the PCCF & MD, OFDC. As per present practice the unit value in term of Cft. is calculated after actual harvest. It was 10.8 Cft. / Unit for the year 2012-13 & 9.6 Cft. / Unit for the year 2013-14. The actual conversion factor for the year 2014-15 will be assessed after complete delivery by the OFDC. However, the royalty rate for the year 2014-15 has been arrived at Rs. 1456/- per Unit for regular lots & Rs. 220/- per Cft. for irregular lots. Since the volume of timber of irregular lot is below 0.02% (assuming 100 truck load of UD/Salvage timber in a year in the Division) of the proposed volume of stand furnished at Table 8.5, this has been ignored. Therefore, the capital value of growing stock of the division @Rs. 1456/Unit (with unique value of 9.6 Cft. for the year 2013-14) is arrived at as follows;

$$(4253661.65 \text{ Cum.} \times 35.32 \text{ Cft.} \times \text{Rs. } 1456.00) / 9.6 \text{ Cft.} = \text{Rs. } 2278.60 \text{ Crore}$$

Estimation of other forest produce such as Firewood, Pole, Bamboo, NTFP etc. have not been taken into consideration for want of correct data & its negligence value as compared to data furnished above.



PART — II

CHAPTER-I

BASIS OF PROPOSAL

1.1 GENERAL OBJECTIVES OF MANAGEMENT

1.1.1 Factors influencing the General objectives and management:-

The forests of Ghumsur (South) Division, initially over exploited by the British rulers towards the end of the 19th century and later on by the princely state rulers before their merger witnessed further devastation during the post independence era, thanks to the many fold increase in human and cattle population. Successive attempts for scientific management of forests through working plan from 1940 onwards remained a mute spectator to unabated illicit felling and unrestricted encroachment of forest land which continued in geometric progression as the long gestation period of forests to rejuvenate themselves suffered a losing battle before the insurmountable pressure from both human and cattle population so much so that even the Reserve Forests were not spared, what to talk of the right burden PRF/DPF/UDPF Forest Blocks. Smuggling from forests continues unabatedly and relentlessly.

1.1.2 Over the period there has been a sea change in the concept of forest management, through the outgoing plan period, which is ought to be considered while prescribing the general objects of management. The evolution of forestry sector has been described in the Chapter-V i.e. Five Year Plan and also at para 7.18 i.e. Revised Working plan of P K Jha from 2001-02 to 2010-11 (with extension up to 2013-14) of Chapter-VII (Past System of Management) of Part-I. In addition the following events as briefly described in chronological order as under.

- 1) The enactment of forest conservation Act in the year 1980 put a break in the unrestricted and whimsical diversion of forest land for non forestry purpose by the State Government and indirectly strengthened forest protection & forest management.
- 2) Social Forestry Project was launched in the State in the year 1983 which not only helped create artificial forest cover in the areas in and around the village boundary outside the traditional natural forest with a view to make the people self sufficient for

their daily requirement like fuel wood, fodder, small timber etc. but also create a social awareness among the people for forest conservation.

- 3) The Odisha Village Forest Rule was enacted during the year 1985 giving legal sanctity for management of the village forests.
- 4) Bamboo which is considered as a poor man's timber was nationalized in the year 1988 and bamboo forests were being worked there after through Government Agency like OFDC and since 1992-93 by OFDC through RMP (Raw Material Procurer).
- 5) The National Forest Policy was revised in the year 1988 which aimed at ensuring environment stability and maintenance of ecological balance including atmospheric equilibrium and direct economic benefits were made subordinate to this. This policy also put the people at the centre and desired to create a massive people's movement including women for managing the forests.
- 6) For the first time in 1988 the State Government came forward with proposals of Joint Forest Management concept to protect the reserved and protected forests by the people and issued guidelines accordingly.
- 7) The Forest Conservation (Amendment) Act, 1988 came into being which refrained natural growth from being clear felled for the purpose of afforestation. Also it prevented inter alia planting of horticultural and commercial species in the forest land.
- 8) Ban on green tree felling was imposed by the State Govt. in the State of Odisha in 1992 which continued for the next 12 – 13 years.
- 9) The modified version of 1988 Government circular on Joint Forest Management led to formation of V.S.S. in 1993, with further widening of its horizon in 1996, thus empowering people to protect, manage and enjoy the usufructs from the forests.
- 10) The Government of India issued guide lines during October'1994 for watershed development through watershed approach and the major funding schemes like D.P.A.P., D.D.P., I.W.D.P., I.H.R.Y., and N.W.D.P.R.A. of the Ministry of Rural Development were reoriented to be worked under the above guidelines without any distinction between forest land under forest department and land under revenue department.
- 11) The Hon'ble Supreme Court in the land mark interim judgment in the famous Case No. 202- T.N. Godavarman Verses Union of India and others in the year 1996 spelt out the meaning of forests as given in the Forest Conservation Act, which should include not only what is on Government record but also the dictionary meaning of

forests. This has made the forest officers more accountable for the forest land, rather than being administered under the control of the Revenue Department.

- 12) Building up of Forest Development Agency in Forest Division initially for implementing NAP in 2002-03 in the line of DRDA in the revenue districts with provision of direct funding from the NAEB of Ministry of Environment & Forests, Govt. of India to the FDAs..
- 13) Carrying out the provision of Forest Right Act, 2006 & awarding Forest Right upon individuals and to the communities.
- 14) Implementation of RTI helped maintain transparency in overall administration of Govt. Department including Forest & Environment Department.
- 15) Global warming and climate change concept became a burning issue as per the UNFCCC mandate and 'Kyoto Protocol' and forest is widely accepted both as a source and sink of GHG(Green House Gas).

1.1.3 The decade of eighties saw the enactment of a simple but revolutionary act namely 'Forest Conservation Act', 1980 followed by a new National Forest Policy, 1988. These two developments had changed the dimension of the forest management. The basic objective of the 1988 Forest Policy is conservation oriented. The concept of forest management changed from production forestry to conservation forestry.

1.1.4 In recent years there has been paradigm shift in the policy and approach to the forestry sector both nationally and internationally. The focus has shifted from timber harvesting to environmental stability, biodiversity monitoring and management, restoration of ecological balance of the disturbed areas, protective functions of the forest resource and other socio-economic benefits based on Non Wood Forest Products (NWFP). The concept of sustainability in forest management thus implies not only sustainability of productive functions but also environmental functions (e.g. soil and water conservation) and socio-economic benefits (e.g. meeting livelihood and basic needs of forest dwellers and other forest dependent communities). Therefore, provision has been made to integrate the aspects of forest management which are considered important for assessing the sustainability, accompanied by a set of related quantitative, qualitative and descriptive attributes which when measured or assessed periodically indicate the direction of change for each aspect of sustainable management of forests.

1.1.5 In tandem with above, this Working Plan sets up the following general objectives of management.

- (i) To prevent further degradation of environment by regulating felling of trees and giving more emphasis on conservation and protection of flora and fauna of these forests;
- (ii) To maintain permanent closed cover on hill slopes and in catchments of rivers, water bodies and reservoirs to check soil erosion, to maintain hydrological cycle and regulate water yield;
- (iii) To improve conditions, composition and productivity of these forests by increasing investment and through appropriate scientific management;
- (iv) To protect and manage wildlife resources in their full scope and range in the division with a view to conserve and enrich biodiversity;
- (v) To restock barren, degraded and depleted forests using appropriate silvicultural prescriptions;
- (vi) To meet the needs of local people for forest produce as far as possible, subject to the aforesaid environmental imperatives;
- (vii) To provide employment opportunities to rural people in general and weaker sections including Scheduled Castes / Tribes and women in particular, through the above mentioned conservation oriented activities.
- (viii) To ensure peoples participation in forestry and enhancing the livelihood and food security of people living in forest fringe villages.
- (ix) To honour the Forest Rights vested with individuals and communities under FRA, 2006 and reorient the outlook of the Department for better forest management.

1.2 METHODS OF TREATMENT

1.2.1 To achieve the objectives mentioned above, the management prescriptions are made for various compartments. These prescriptions are based on the local field realities, analysis of the forest crop by enumeration, regeneration, biodiversity survey, NTFP survey, detailed stock mapping, treatment required and other factors.

1.2.2 Protection of forests will only be possible when its boundaries are demarcated and properly maintained. A special drive will have to be taken up to consolidate the block boundaries to check for encroachment and prevent further encroachment. Along with consolidation, fixing/repairing of boundary pillars, determining the coordinates of pillars and fixing of signboards at prominent locations will have to be taken up. Much thrust has been given on this aspect in the 2nd PWPR meeting.

1.2.3 Adequate attention is to be provided to the management of NTFPs. After the decontrol of most of the NTFP items and transfer of their rights of collection and disposal to the local bodies, there is necessity to increase the productivity of all such NTFP items and to monitor its collection and disposal in the interest of the forests and the collectors. These measures will help in gaining the confidence and cooperation of the local people so that they become willing partners to assist in the process of protection and improvement of the forests. Besides the Wild lives of the division also need special attention for their management and to prevent them from coming out of the forests into villages and towns. Thus efforts will have to be taken to reduce animal depredation and animal anti depredation to the minimum.

1.3 CONSTITUTION OF WORKING CIRCLE

1.3.1 Keeping the above objectives in view, Working Circles have been constituted after thorough inspection of the forests and its topo sheet maps. The watershed concept, level of degradation, extent of deforestation and illicit felling, experience of success/failure of JFM over last quarter century have been kept in mind while allotting forest blocks to different working circles. Areas transferred to Ghumsur South division have been studied properly before being allotted to working circles. The following eight Working Circles have been constituted as per approval by the Working Plans Committee in the 2nd PWPR Meeting.

- (i) The Selection Working Circle;
- (ii) The Rehabilitation Working Circle;
- (iii) The Plantation Working Circle;
- (iv) The Protection Working Circle.
- (v) The Bamboo (Overlapping) Working Circle;
- (vi) The Non Timber Forest Produce (Overlapping) Working Circle;
- (vii) The Wild life (Overlapping) Working Circle; and
- (viii) The JFM (Overlapping) Working circle.

The forest blocks allotted to different working circles are furnished at **Table No 1.1**. The details of each Compartment and Block *i.e.* Area and allotment to various Working Circles are given in **APPENDIX – XVII**.

1.3.2. The Selection Working Circle:- Broadly speaking well stocked forest blocks and compartments having the crown density of more than 40% coupled with moderate to excellent natural regeneration and higher degree of biodiversity are allotted to Selection Working Circle. The total area allotted to this Working Circle is 15264.67 ha which is 13.65% of the total plan area and includes two forest blocks namely, Pondakhol and Dhaugam forest blocks of Soroda Range. The area is same as what is covered in the outgoing plan. There was a proposal to include a part of Panchabhuti ‘A’ Reserved Forests but the idea was given up after field verification for want of suitable crop condition. Due to excessive illicit felling the crops have by and large become poorer and there has been considerable decline in the number of exploitable trees being made available for felling.

1.3.3 The Rehabilitation Working Circle:- This Working Circle includes the all those forest blocks which are in the various stages of degradation. It includes the major portion of the division covering an area of 81933.44_hact. which is 73% of the total forest area of the Division. Though an area of about 3000 hacts was allotted to this working circle in the R.N.Mohanty’s Plan (1970-71 to 2000-2001) but this working circle was not in operation during the outgoing plan and all these areas were being managed in P.K.Jha’s Plan under Eco restoration Working Circle.13 no. of Village Forests blocks having area 68.0 Ha. have been kept in this working circle. Thus all the eco-fragile and eco-sensitive areas having density less than 0.4 have been included in this Working Circle.

1.3.4 The Plantation Working Circle:- This Working Circle includes all those forest blocks which have blank patches and devoid of any root stocks. These areas can be better stocked through artificial regeneration. Generally speaking it is very difficult to get single contiguous blank patch of 10 hacts areas for raising plantation. It is proposed to subject the areas to different preplanting operations before the actual planting. The total area allotted to this Working Circle is 4943.50 ha.which is 4.4% of the plan area.

1.3.5 The Protection Working Circle:- It is proposed that this Working Circle will take into its fold the forest blocks which are ecologically fragile, catchment areas of nallah / reservoir and steep slopes with high altitude. The forest blocks under intense biotic pressure

and on the way to degradation will be treated as per the prescription under this working Circle. All the three forest blocks namely Goudagotha UDPF, Merikote UDPF and Maishikhata UDPF which have been transferred from Parlakhemundi Division during reorganisation were being worked under protection working circle of P.Macro's plan with validity upto 2015-16 have been kept under this working circle. Though similar areas having high slope and terrain is available in other forest blocks such forest blocks have not been included in this working circle as it covers only one or two compartments only and their management would not have been practicable under protection working circle. An area of 9606.49 ha. is including in this Working Circle which is 8.5% of the total forest area of the Division.

1.3.6 The Bamboo (Overlapping) Working Circle:- This Working Circle over laps all the compartments/forest blocks having sufficient bamboo for commercial exploitation. It includes all those forest blocks which are worked under Bamboo Working Circle in the outgoing Working Plan and also additional areas of Polasara and Badagada Range. All the three forest blocks namely Goudagotha UDPF, Merikote UDPF and Maishikhata UDPF which have been transferred from Parlakhemundi Division during reorganisation and earlier being worked under protection working circle of P.Macro's plan with validity upto 2015-16 and put to Protection Working Circle as well as Bamboo Overlapping Working Circle have been kept under this working circle as well. The total area allotted to this Working Circle is 72308.84 ha.

1.3.7 The NTFP (Overlapping) Working Circle:- This Non Timber Forest Produce (NTFP) Working Circle over laps the entire jurisdiction of the plan and thus the areas of this Working Circle is 111748.10 ha. NTFP like Sal seed, Mohua, Char, Lac, Tussor, Genduli gum, Sabai grass, Khair, Khuss, Khuss, Cane, Ananta seeds, Kendu leaves etc. occur in varying abundance which should be tapped to the fullest potential.

1.3.8 The Wildlife (Overlapping) Working Circle:- This working circle over laps the entire jurisdiction of the plan. Special management prescriptions are prescribed for several areas. The total area under this Working Circle is 111748.10 ha. Broadly speaking all the carnivores and herbivores found both within the Plan prescription areas and outside it but within the geographic jurisdiction of the Ghumsur South Forest Division are covered in this Working Circle. In addition special emphasis has been given to the management of peacocks

of Pakidi DPF, black bucks of Balipadar – Bhetnoi area and giant fresh water turtle of “Golia” village.

1.3.9 **The JFM (Overlapping) Working Circle:-** This is a new working Circle and includes all those areas which are covered under 177 VSSs. This Working Circle has been constituted for implementation of the Joint Forest Management Policy of Government as per the National Forest Policy, 1988 and different resolutions published by Govt. from time to time. The total area allotted to this Working Circle is 20300 ha.

Table No. 1.1: Allotment of Forest Blocks to different Working Circles

Name of Range	Name of the Forest Blocks as per Management	Total area of forest block	Area of Selection WC	Area of Rehabilitation WC	Area of plantation WC	Area of protection WC	Bamboo OL	NTFP OL	Wild Life OL	JFM OL
SORADA	Bondhagocha	1307.33		1307.33				1307.33	1307.33	
	Dhepaguda	827.85		827.85				827.85	827.85	
	Dabuki	506.32		506.32				506.32	506.32	
	Hukuma	1746.40		1666.40	80.00			1746.40	1746.40	
	Dhaugam	1032.20	626.10	406.10				1032.20	1032.20	
	Mundapita	2268.15		2153.15	115.00			2268.15	2268.15	
	Pipalpanka	3396.40		3316.40	80.00		2874.64	3396.4	3396.40	
	Pondakhhol	15484.70	14638.57	846.13			14638.57	15484.70	15484.70	
	Pankalagam	265.59		265.59			265.59	265.59	265.59	
BUGUDA	Budurungu	316.11		286.11	30.00			316.11	316.11	
	Chamunda	265.59		265.59				265.59	265.59	
	Kadapada	677.36		497.36	180.00			677.36	677.36	
	Kurchuli-A	2232.39		2232.39			1570.07	2232.39	2232.39	
	Kurchuli-B	354.66		329.66	25.00		354.66	354.66	354.66	
	Kriamba	8721.16		8363.66	357.50		5881.20	8721.16	8721.16	
	Kumarsuni Vishnuchakram	1081.95		931.95	150.00			1081.95	1081.95	
	Binodia	209.96		159.96	50.00			209.96	209.96	
	Tangarai	817.49		667.49	150.00			817.49	817.49	
	Panchabhuti-C	198.38		198.38				198.38	198.38	
	Panchabhuti-A	1790.28		1515.28	275.00			1790.28	1790.28	
	Nagiri	449.55		449.55				449.55	449.55	
	Solundi	362.75		362.75				362.75	362.75	
	Jhollery	914.98		849.98	65.00			914.98	914.98	
	Sandasulia	848.34		698.34	150.00			848.34	848.34	

Name of Range	Name of the Forest Blocks as per Management	Total area of forest block	Area of Selection WC	Area of Rehabilitation WC	Area of plantation WC	Area of protection WC	Bamboo OL	NTFP OL	Wild Life OL	JFM OL
ASKA	Malijhar-I	410.00		410.00				410.00	410.00	
	Malijhar-II	1735.00		1685.00	50.00			1735.00	1735.00	
	Ambadaban	785.00		315.00	470.00			785.00	785.00	
	Pakadi	1970.00		1259.00	711.00			1970.00	1970.00	
	Gadagada	475.00		249.00	226.00			475.00	475.00	
	Kansa	181.53		111.53	70.00			181.53	181.53	
	Chemidi	1295.00		1295.00				1295.00	1295.00	
	Machakhai	340.00		340.00				340.00	340.00	
	Hatimunda	445.00		415.00	30.00			445.00	445.00	
	Badadanda	50.00		50.00				50.00	50.00	
	Chapudia	260.00		210.00	50.00			260.00	260.00	
	Rasibadi	370.00		320.00	50.00			370.00	370.00	
	Suliaguda	875.00		875.00				875.00	875.00	
	Bhumidimiripalli	15.89		15.89				15.89	15.89	
	Badua	80.00			80.00			80.00	80.00	
	Gouduni	299.33		174.33	125.00			299.33	299.33	
	Badagada-C	11050.00		11050.00			10450.00	11050.00	11050.00	
	Kantakhhol	390.00		390.00				390.00	390.00	
POLOSARA	Pandaripada	13180.00		13040	140.00		11585.00	13180.00	13180.00	
	Bhalukhai	13.20		13.20				13.20	13.20	
	Sodaka-A	400.00		360.00	40.00			400.00	400.00	
	Sodaka-B	430.00		180.00	250.00			430.00	430.00	
	Kakudia	85.02		85.02				85.02	85.02	
	Purunapani Daburia	2525.00		2393.00	132.00			2525.00	2525.00	
	Khaladimal	1515.00		1475.00	40.00			1515.00	1515.00	
	Jokalundi	390.00		390.00				390.00	390.00	
	Paikajamuna	335.48		203.48	132.00			335.48	335.48	

Name of Range	Name of the Forest Blocks as per Management	Total area of forest block	Area of Selection WC	Area of Rehabilitation WC	Area of plantation WC	Area of protection WC	Bamboo OL	NTFP OL	Wild Life OL	JFM OL
BADAGADA	Badagada-A	9135.00		8890.00	245.00		9035.00	9135.00	9135.00	
	Badagada-B	3705.00		3550.00	155.00		3555.00	3705.00	3705.00	
	Goudagotha	4600.00			20.00	4580.00	4362.50	4600.00	4600.00	
	Merikote	4458.24			30.00	4428.24	4458.24	4458.24	4458.24	
	Raipada	2797.27		2607.27	190.00		2270.12	2797.27	2797.27	
	Srirampalli	410.00		410.00			410.00	410.00	410.00	
	Mahisikhata	598.25				598.25	598.25	598.25	598.25	
Village Forests : 13 Nos.		68.00		68.00				68.00	68.00	
TOTAL		111748.10	15264.67	81933.44	4943.50	9606.49	72308.84	111748.10	111748.10	20300.0

1.4 BLOCKS AND COMPARTMENTS

1.4.1 There has been no change in the blocks and compartment of the outgoing plan. All the compartments and sub-compartments have been shown in the management map. The compartments and sub-compartments have been laid out in the field by painting white double paint and white single paint respectively on the trees at breast height along the line at intervals in case of the 2 RFs kept under Selection Working Circle. Further necessary signboards have been displayed at convenient places.

1.5 STOCK MAPS

1.5.1 All the reserved forest blocks have been stock mapped in 1:50,000 scale in order to ascertain the nature of the crop, its density, extent of encroachment and other level of degradation. The DFO should take expeditious steps to survey the area, ascertain the actual areas encroached vis-a-vis extent of forest land issued as Forest Right under FRA'2006, book cases and evict the encroachers.

1.6 PERIOD OF WORKING PLAN AND INTERMEDIATE REVISION

1.6.1 The period of Working Plan is for 10 years i.e. for the period 2014 - 2015 to 2023 - 2024.

1.6.2 There is no necessity of intermediate revision. If situation so arises because of natural reasons or any other factors, an intermediate revision of the Working Plan may be taken up at the behest of the Working Plans Committee and subject to approval by the Government of India.

CHAPTER - II

SELECTION WORKING CIRCLE

2.1 GENERAL CONSTITUTION

2.1.1 The concept of Forest Management has undergone a sea change during the post independence era & forest resources have been recognized as multi-purpose resources. Thus in India forests are being viewed more as social & environmental resources rather than as a commercial resource and the concept over the last 30 years changed from production forestry to conservation forestry. The concept of sustainability in forest management implies not only sustainability of productive function but also environmental functions. It is an admitted fact that the natural forest gets degraded day by day despite all efforts of implementing sustainable management practices. This is primarily due to anthropogenic pressure. The forests of Ghumsur South Forest Division is no exception. In the R. N. Mohanty's plan, before P. K. Jha's Plan, forest blocks such as Mundapita, Bandhagochha, Pankalgam, Kriamba, Badagada-A, Pandirpada etc were included in Selection Working Circle but the absence of higher girth class trees of the desired species due to rapid degradation has resulted in their exclusion from this working circle and have been included in the Rehabilitation Working Circle.

2.1.2 In addition to the 15264.67 ha areas of Pondakhol and Dhaugam Forest Blocks worked in the previous plan it was approved in the 2nd PWPR meeting held on dated 12.11.2012 to include about 735.33 ha. of Panchabhuti-A RF under this Working Circle in this plan based on the earlier proposal of RCCF, Berhampur in the 1st PWPR, but the idea was given up after field inspection of the Forest Blocks for want of suitable crop. Broadly speaking the well stocked forest blocks and compartments having the crown density of more than 40% coupled with the moderate to excellent natural regeneration and higher degree of biodiversity are allotted to Selection Working Circle. Total area allotted to the Selection Working Circle is 15264.67 hectares, which forms 13.67% of the total Working Plan area of the division.

2.1.3 Allotment of forest blocks to the Selection Working Circle is based on reconnaissance survey followed by confirmation through 5% of strip enumeration, analysis of

growing stock. The detailed analysis of crop condition has been dealt in Chapter-IIA of Part-I. The forests of this working circle consists of mostly sal with greater preponderance of other miscellaneous sal associates. The site quality of Sal varies from Quality III to IV. The crop density is 0.3 to 0.5 in most of the areas.

2.2 GENERAL CHARACTER OF VEGETATION

2.2.1 Detailed description of the vegetation has been given in Chapter IIA of Part-I. In case of Pandakhhol block, degradation though started not yet been rampant and the occurrence of uncontrolled grazing, forest fire, shifting cultivation and encroachment etc. is on the rise. On the contrary, Dhaugam block can be classified as partially degraded forests. Uneven aged Sal of site quality III - IV is present. Regeneration of Sal and other important species varies from fair to good.

2.2.2 As discussed in Chapter IIA the crop in these forests belongs to the broad sub-group C 2 / 2e (i) - Moist Peninsular high level Sal And C 2 / 2e (ii) - Moist Peninsular low level Sal. Moist peninsular high level Sal and moist peninsular low level Sal are confined to top hill and lower hill (valley) respectively in most of the compartments of the Pondakhhol block. Moist mixed deciduous forest without Sal is present in few compartments of Pondakhhol. Tropical riparian fringing forest is confined to banks of the Rushikulya river passing through Pondakhhol. The forests of Pondakhhol are prone to illicit felling. The extent of degradation is more in Dhaugam Block as compare to Pondakhhol Forest Block. The dominant Sal species are accompanied with other equally important species like Bandhan, Sissoo, Gambhar, Piasal, Halanda, Kasi, M-mundi Asan, Mai, Kusum, Jamun etc. Valuable species like Bija, Sisoo, Gambhari etc. have been almost removed through illicit felling long since. Further excepting hill slopes of inaccessible interior valley pockets, good and matured sal trees above 4' girth are scare. Though commercial felling has been stopped due to complete moratorium on green tree felling imposed by the Government from 1992 to 2003-04, , the valuable trees including Sal could not be protected against the uninterrupted & relent less onslaught of the smugglers.

2.2.3 The reconnaissance survey on biodiversity study taken up in each forest block reveals that areas having matured crops with close canopy is having very poor biodiversity

and areas having bushy growth without high forests have varied and dense undergrowth and hence the biodiversity is better represented.

2.2.4 The abstract of 5% enumeration results shows that there are about 289.37 stems present per hectare. Both type of bamboo i.e., Salia and Daba occur in the forests of the Division. While salia bamboo occurs in most of the forest blocks daba bamboo occurs in few forest blocks such as Pandripada, Kriamba, Karchuli 'A' and are being exploited commercially by the O.F.D.C.

2.3 SPECIAL OBJECTIVES OF MANAGEMENT

2.3.1 The special objectives of the management of the Selection Working Circle is within the scope of general objectives of the management of the entire division. These are as follows : -

- (i) To protect the forests from biotic interference through people's participation as per the guide line of Joint Forest Management and restock the forest cover through various silvicultural operations.
- (ii) To obtain yield on sustainable basis to cater the needs of the people.
- (iii) To ensure ecological equilibrium and improve the bio-diversity of the forest blocks.
- (iv) To bring about condition favourable for natural regeneration of indigenous species and tend them to establish.
- (v) Increase the per hectare investment on forests by adopting water shed approach through encouragement and establishment of natural regeneration.
- (vi) To conserve forest for enhancing carbon sequestration and reducing the adverse climatic factors, essentially to work against global warming on a micro scale.

2.4 AREA ALLOTMENT AND FELLING SERIES

2.4.1 Four felling series have been constituted as was being followed in the outgoing P.K.Jha's Plan. These are Baimella, Ajudi, Rubangi and Jirakua. The felling series and the annual coupes have been constituted taking into account silvicultural availability of exploitable trees and the ease in extraction of timber and working of coupes. It was proposed

by the RCCF, Berhampur in the 1st PWPR that about 735 Ha. of Panchabhuti R.F be taken up for selection felling. In the outgoing plan this Reserve Forest was included in the Eco restoration working circle. On field verification it was observed that there is good sal crop of 4 ft to 4.5 ft girth over an area of about 10- 20 hacts approximately near village Panchabuti along the Panchabhuti – Kandri forest road up to village Dimirisahi and also similar such sal patch existing over about 10 hacts near village Udaipur under Udaipur VSS. Besides about 200 – 300 hacts of pole size crop do exist under Khadalapali VSS area and the balance area of Panchabhuti ‘A’ R.F is devoid of good crop. There is hardly any under growth in these sal patch areas and regeneration is very poor. In the recent severe cyclone ‘Phailin’ in the month of October, 2013, 82 trees (sal-80, teak-01 and sahaj-01) have been uprooted in Panchabhuti Beat area and 31 trees (Sal-30 and Rohini-01) uprooted in Udaipur Beat along with 155 no. of poles. The proposed Panchabhuti forest block will not fit into Selection Working Circle for working. Hence this forest block has been excluded from this Working Circle. All the four felling series with annual coupes have been shown in different colours in the Management map. The areas allotted to each felling series is given at **Table No 2.1**. The felling series wise area allotment has been kept unchanged to keep continuity in working as adopted in the outgoing plan.

Table No. 2.1: **Area Allotment of Selection Working Circle**

Range	Felling Series	Block	Compartment		Area of Felling Series (Ha)
			Number	Area (Ha)	
SORADA	Baimella	Pondakhhol	1, 2, 3, 4, 5a, 6, 7, 8 and 9(P)	3122.30	3748.4
		Dhaugam	1a and 2a	626.10	
	Ajudi	Pondakhhol	9(P), 10, 11, 12, 13, 14, 17(P), 18 and 19(P)	3392.58	3392.58
	Rubangi	Pondakhhol	15, 16, 17(P), 19(P), 20(P), 21(P), 30 (P), 31, 32(P), 33 and 34	3621.54	3621.54
	Jirakua	Pondakhhol	20(P), 21(P), 22, 23, 24, 25, 26, 27a, 28, 29a, 30 (P), 32(P), 35 and 36a	4502.15	4502.15
			GRAND TOTAL		15264.67

2.5 ANALYSIS AND VALUATION OF CROP

2.5.1 Enumeration of 5% growing stock by Stratified Systematic Strip Sampling Method was conducted in all the compartments of Pandakhol RF and 1a & 2a compartment of Dhaugam RF. The entire working circle has been stock mapped based on the enumeration of growing stock. Stand and stock tables have been prepared based on the inventory data of Strip enumeration by giving no of trees in different girth class varying from 30 cm to 150 cm and above with 30 cm interval. The principal species seen in the Selection Forest are Sal, Piasal, Sisoo, Bandhan, Gambhar, Haland, Mundi, Kashi, Asan, Mai, Mahula, Mango, Tamarind, Amla, Char, Kendu, Bahada, Harida, Kusum, Bela, Jamun and mixed with various miscellaneous species. Sal which is the dominant species is almost 12.5% & Others are 87.5% of composition. The no of trees available in different girth classes in Stratified Systematic Strip Sampling Method is given in the **Table No. 2.1.1** & their corresponding Volumes in **Table No. 2.1.2**.

Table No. 2.1.1: **Estimated total number of Trees (SWC) in Strip Method**

Enumerated Area (Ha): **15264.67** Total no of Blocks: **38**
 Strip Area (Ha.): **763.23** Strip Intensity: **5%**

Number of trees by Girth Class Wise and Species Wise

Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
Sal	256683	137784	66968	34407	13144	5313	514300
Piasal	14783	12948	2747	388	0	0	30866
Sisoo	9877	6127	1308	104	0	0	17416
Bandhan	78813	39690	14933	4841	888	119	139283
Gambhar	0	19	115	38	38	38	249
Halanda	83101	37667	16019	4875	1556	543	143761
Mundi	55169	30528	9571	3374	564	172	99377
Kashi	31398	20613	5716	1232	421	32	59411
Asan	115741	53830	25417	9365	2586	761	207701
Mai	159033	96632	47664	16290	3819	584	324021
Mahula	60067	36564	16397	5176	1794	679	120676
Mango	108	445	656	451	285	687	2632
Tamarind	86	129	151	108	18	74	566
Amla	42439	15647	1336	324	0	0	59746
Char	159820	56049	9632	750	155	20	226427
Kendu	68684	41560	12066	2409	419	142	125281
Bahada	17139	7949	1854	448	83	35	27508
Harida	21584	14411	5655	1544	270	89	43553

Kusum	74019	42057	19989	6479	1993	1190	145726
Bela	13617	5917	678	50	0	0	20263
Jamun	20708	10682	2416	777	137	33	34753
Misc.	1074130	460881	150261	52780	16262	5034	1759348
TOTAL:	2356998	1128127	411549	146212	44432	15546	4102865

TOTAL NO OF SPECIES IN SOUTH DIVISION

SAL	256683	137784	66968	34407	13144	5313	514300
OTHERS	2100315	990343	344580	111804	31289	10233	3588565

PERCENTAGE OF ESTIMATED SPECIES

SAL	10.89	12.21	16.27	23.53	29.58	34.17	12.54
OTHERS	89.11	87.79	83.73	76.47	70.42	65.83	87.46
	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Table No. 2.1.2: **Estimated Volume of Trees (SWC) in Strip Method**

Enumerated Area (Ha): **15264.67**

Total no of Blocks: **38**

Number of trees by Girth Class Wise and Species Wise

Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm
Sal	15158	37187	42574	42592	26892	15670
Piasal	1044	3959	1864	494	0	0
Sisoo	4713	8591	3468	469	0	0
Bandhan	4999	10825	9067	5524	1639	313
Gambhar	0	5	65	42	68	98
Halanda	40631	27145	14071	5000	1796	683
Mundi	4329	8678	5926	3905	1056	458
Kashi	2432	6256	3695	1457	792	85
Asan	7574	15130	16470	11685	5300	2242
Mai	10087	26355	28941	18589	7049	1534
Mahula	3811	8179	7633	4362	2393	1273
Mango	6	109	370	490	508	1756
Tamarind	5	32	85	117	31	190
Amla	2414	3831	754	352	0	0
Char	9092	13724	5431	813	276	52
Kendu	53293	53284	20967	5404	1153	455
Bahada	1983	3305	1593	691	203	119
Harida	1228	3529	3188	1675	481	227
Kusum	4211	10298	11271	7028	3549	3043
Bela	775	1449	383	54	0	0
Jamun	1625	3037	1496	899	256	89
Misc.	61104	112853	84724	57252	28960	12872

13	MUNDI	73874	28366	3673	0	0	0	105914
14	BELA	27958	7755	0	0	0	0	35713
15	JAMUN	102241	42243	5102	1020	0	0	150606
16	AMLA	75099	16734	1020	204	0	0	93057
17	BANDHAN	100608	62855	14693	0	0	0	178156
18	PIASAL	27142	41019	2041	0	0	0	70201
19	SISOO	10408	3673	0	0	0	0	14081
20	TAMARIND	0	2449	1224	0	0	0	3673
21	MANGO	2041	1837	612	1224	204	0	5918
22	MISC.	1695235	751601	259173	86527	17958	6530	2817025
	Total:	4332677	1965224	606709	148361	27142	10204	7090317

TOTAL NO OF SPECIES IN SOUTH DIVISION

SAL	675278	285906	132648	32652	4898	3673	1135055
OTHERS	3657399	1679318	474062	115709	22244	6530	5955262

PERCENTAGE OF ESTIMATED SPECIES

SAL	15.59	14.55	21.86	22.01	18.05	36.00	16.01
OTHERS	84.41	85.45	78.14	77.99	81.95	64.00	83.99

100.00 100.00 100.00 100.00 100.00 100.00 100.00

NOTE: **Total SWC Area = 15264.67 Ha. and Total Sample Area = 74.8 Ha.**
Multiplying No. = 15264.67 / 74.8 = 204.07

Table No. 2.1.4: **Abstract of Strip Enumeration (SWC) of Sorada Range of Ghumsur South Forest Division**

Forest Range : **Sorada**
No of Blocks : **02**

No of Compts. : **38**
Total Area (Ha.) : **15264.67**

Sl.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	12293	6643	3195	1673	675	262	24741
2	MAI	8546	5052	2445	825	187	24	17079
3	ASAN	5852	2829	1331	478	127	37	10654
4	CHAR	8233	3075	502	42	9	1	11862
5	GAMBHAR	0	1	6	2	2	2	13
6	KUSUM	3696	2105	971	315	96	58	7241
7	KENDU	3532	2150	596	122	21	7	6428
8	KASHI	1593	1040	288	52	18	1	2992
9	HARIDA	1133	710	273	69	12	3	2200
10	BAHADA	1011	478	107	27	3	2	1628
11	MAHULA	3183	1916	815	260	92	31	6297
12	HALANDA	4184	1909	779	243	70	29	7214

13	MUNDI	2719	1574	487	164	26	8	4978
14	BELA	631	265	36	3	0	0	935
15	JAMUN	1144	613	153	41	8	2	1961
16	AMLA	2201	848	73	18	0	0	3140
17	BANDHAN	3960	2032	774	247	43	6	7062
18	PIASAL	857	747	150	19	0	0	1773
19	SISOO	577	375	68	5	0	0	1025
20	TAMARIND	4	7	8	5	1	3	28
21	MANGO	2	19	22	18	8	33	102
22	MISC.	52937	22776	7394	2737	806	260	86910
	Total:	118288	57164	20473	7365	2204	769	206263

ABSTRACT

Sl.	Blocks	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	Dhaugam	5149	2445	722	179	59	15	8569
2	Pandakhhol	113139	54719	19751	7186	2145	754	197694
		118288	57164	20473	7365	2204	769	206263

2.5.1.2 After Analysing the enumeration result of the two methods, the crop is irregular. There is slight deficiency in the exploitable girth class although the number of stem in the lowest girth class is represented on the higher side. There is variation in the exploitable girth class. More reliance is given to the strip enumeration results although it is observed that there is general agreement in crop condition, density and composition when the results of both sampling methods were compared. The results were statistically analyzed and presented in Chapter - VIII of Part – I. The compartment wise Strip Enumeration (SWC) result are presented in **APPENDIX – XVIII** and compartment wise Sample Point Enumeration (SWC) result are presented in Appendix – XV(A).

2.5.2 The regeneration is found to be moderate to good in most species and some compartments are fair to good. The details of regeneration status of selection compartment are given in **APPENDIX – XIX** and discussed in Chapter IIA.

2.6 SILVICULTURAL SYSTEM

2.6.1 The Selection system will be adopted with emphasis on conservation, sustainable production and stability of the ecosystem.

2.7 CHOICE OF SPECIES

2.7.1 Since forest now a days is viewed more as a environmental capital than commercial capital all species are considered to be equally important and no species will be preferred at the cost of any other species. The emphasis is on conservation of biodiversity and development of balanced forest. From commercial point of view Sal, Bija, Sissoo, Bandhan, Gambhar, Haland will be treated as principal species in view of its economic importance and market demand. Species like Asan, Jamu, Kasi, M. Mundi, Mai, Kusum, etc. will be treated as secondary species and will get less preference than the principal species. The fruit bearing species such as Mahula, Mango, Tamarind, Anla, Chara, Kendu Bahada, Harida and Bela are ought to be treated as species of special category and will not be felled. Similarly different medicinal herbs and shrubs like Aswagandha, Arkha, Satabari, Bhrungaraj, Halada, Talmuli, Anantmul, Gangasiuli, Patal garuda, Basanga, Bhuineem, Muchukund, Phanaphana, Bhuianla etc. will be given due weightage in its management.

2.8 EXPLOITABLE GIRTH CLASS

2.8.1 The primary consideration in deciding the exploitable size for felling is the stage to which most of the trees will grow without developing unsoundness. The average crop quality of the two forest blocks can be said to be of quality III/IV. It is observed that usually unsoundness of trees develops after 120 cm girth at breast height in these forests and accordingly the exploitable girth of most of the species including Sal was fixed at 120 cm in the previous plan. Field inspection reveals that there is an universal preponderance of unsound trees of larger size due to the unscientific and indiscrement felling in the past coupled with almost total negligence of improvement felling and silvicultureal operations. Besides, selective illicit felling of important species like Sal, Piasal, Sissoo, Gambhar, Kusum, Mundi, Kangara, Kasi, Asan, etc. have been so severe that even the trees of these species in the approach class i.e. the girth class immediate below the exploitable girth has been removed completely. This is all the more evident from the 5% enumeration work taken up in the field. It is considered to retain the same prescription made in the previous plan i.e to keep at least 120 cms as exploitable girth class at breast height. In addition the exploitable girth of Piasal is brought down from 150 cms to 120 cm as higher girth class trees are practically not available in the forest thanks to the selective illicit felling. The field condition broadly agrees with the guide lines issued by the Government of India through the C.C.F

(Central), Bhubaneswar vide his letter no. 13-FCWP/BH/KOLHAN dt. 13.01.97 for green felling at 120 years which is silvicultural rotation for important species. For all other species the exploitable girth class is 150 cm. Thus the exploitable girth of different species is provided in **Table No. 2.2**.

Table No. 2.2: **Exploitable Girth at Breast Height**

Species	Exploitable Girth At Breast Height
Sal, Piasal, Bandhan, Sissoo, Gambhar,	120 cm and above
Halanda, Kasi, M. Mundi, Asan, Mai, Kusum, Jamun.	150 cm & above
Miscellaneous	150 cm & above

2.9 FELLING CYCLE

2.9.1 Theoretically speaking the felling cycle should be the time period that the average crop takes to grow from the approach class to the exploitable girth class. The forests of Ghumusur South Division kept under this working circle takes 40 years as revealed from various literatures including the prescriptions made in the previous plans, but such a long felling cycle will leave the crop unattended for longer period which is not desired. Therefore, the felling cycle is reduced to 10 years in order to synchronise with the plan period.

2.10 CALCULATION OF THE YIELD

2.10.1 The yield will be regulated by area with a percentage check on the removal of exploitable trees as calculated by Smythie's safeguarding formula. In case of Ghumsur South Division there was no green tree felling from 1992 -93 to 2004-05 and thus the coupes due for working during the previous Plan period from 2001-02 to 2004-05 are expected to give comparatively higher yield than other coupes. This formula is also known as U. P. safeguarding formula. Smythies evolved it for the Sal forests of Uttar Pradesh for sustainable yield. The formula is based on the following assumptions, which holds true for Pondakhhol and Dhaugam forest blocks.

- (i) Exploitable (Selection) trees already exist and are being recruited everywhere (and not in any particular compartments only) and that fellings can be taken up regularly throughout the forests in consecutive annual coupes in a felling cycle of 10 years.

- (ii) The basic objective of management is to ensure, as far as possible, sustained or increased yield of exploitable trees above the exploitation limit at every felling cycle.
- (iii) The middle aged and younger diameter classes are well represented and the present rate of recruitment into the two highest diameter classes (I and II) will not decrease in the near future.
- (iv) Sustained yield of Selection trees is adequately safeguarded in any area, i.e. the number that may be felled is limited to the number that will pass on from the approach class by the time felling is due again in the next cycle.

2.10.2 The crop density and site quality vary so much that it is difficult to ascertain the yield on the basis of equi-productive area. Based on the ground reality it has been assumed that the Smythie's safeguarding formula is made use of because of getting more or less the same yield (called Selection yield) from equi-extensive area. This formula is made use of first finding the increment and then the annual yield. According to the Smythie's safeguarding formula, the number of Class - II trees (X) per hectare that pass onto Class - I within the felling cycle is determined by following formula.

$$X = \frac{F}{T} (II - Z \% \text{ of II}) \quad (1)$$

Where

- II = No. of trees in pre exploitable girth class or approach class (from enumeration).
- X = Number of trees in approach class, which passes into the exploitable class.
- F = Felling cycle (10 years)
- T = the time period taken by a tree from the bottom of the approach class to grow and reach the bottom of the exploitable girth class. (assumed to be 40 years in this case)
- Z = Percentage of Class II trees that do not pass into class I during the felling cycle in 'T' years, due to mortality or illicit removal (assumed to be 43% in this case)

2.10.3 After having ascertained the increment X, the next step is to prescribe the area yield, by dividing the forest into ten annual coupes and limiting the removal of Class I trees to a percentage 'P' of their number per hectare as would be ascertained at the time of marking

the annual coupes. The percentage of the trees available for exploitation (Y) is calculated as follows:

$$Y = \left(\frac{X}{(I + X/2)} \times 100 \pm A \right) \% N \quad (2)$$

Where

A = Arbitrary value to get the round figure of Y

X = Number of trees in approach class which passes into the exploitable class

I = Number of trees already existing in the exploitable class.

N = Number of trees of the Selection Class present at the time of marking.

If the value of 'X' as in equation (1) is substituted in the equation (2) the resulting equation is as follows

$$Y = \frac{2 F II (100 - Z)}{200 I T + F II (100 - Z)} \times 100 \pm A \quad (3)$$

(The massive uprooting of trees during the severe cyclonic storm "PHAILIN" in Oct, 2013 has been taken into account under Z)

2.10.4 The value of 'T' is 36 years for average site quality III in respect of irregular Sal forests of Ramnagar Forest Division. This is slightly less than that obtained from the yield table. The values of 'T' and 'Z' as per yield table are 39 years and 43 %. Since it is hilly forests, the value of 'T' and 'Z' for Sal used in this plan is 40 years and 43 % and for other species 40 years and 50 %. Substitution of these values of 'T' and 'Z' in equation (3), we get

$$Y = \frac{(114 II)}{(800 I + 57 II)} \times 100 \pm A$$

For others,

$$Y = \frac{(14 II)}{(80 I + 7 II)} \times 100 \pm A$$

The Yield Calculation is produced at **Table No 2.3**. The final yield will be regulated as per **Table No 2.4**. The average yield percentage of Sal will be 18.18 % which is

equal to 0.59 tree (or say 1 tree) per hectare and that of others (other than sal) will be 27.18% which is equal to 3.97 trees (or say 4 trees) per hectare. Thus the total number of trees available for marking will be limited to 5 trees per hectare.

Table No. 2.3: **Yield Calculation of Various Felling Series**

BAIMELA FELLING SERIES								
Block	Compartment	Number of Trees				Yield Calculation		Calculation
		SAL		OTHERS		SAL	OTHERS	
Pondakhol		II	I	II	I	II	I	SAL
	1	2.76	3.02	13.32	6.90	12.22	28.89	Y=13.57% 13.6
	2	1.42	1.31	22.80	12.76	14.36	27.04	
	3	0.75	1.01	33.58	24.89	10.03	21.12	
	4	1.27	0.52	18.88	8.21	29.50	33.51	Limit of trees/Ha = 0.89
	5a	2.16	1.98	24.96	15.34	14.47	24.93	
	6	11.68	11.12	14.18	6.08	13.93	33.89	
	7	10.45	9.81	5.49	5.78	14.10	15.33	OTHERS
	8	11.60	10.93	4.93	5.22	14.06	15.24	
	9	4.25	6.31	13.92	6.12	9.17	33.20	
Dhaugam	1a	1.72	1.23	7.87	3.40	18.07	33.73	Y=22.63%
	2a	0.78	0.56	19.81	5.63	18.14	47.06	22.63768727
Total		48.84	47.80	179.74	100.34	168.05	313.93	Limit of trees/Ha =
Average		4.44	4.35	16.34	9.12	15.28	28.54	3.91
AJUDI FELLING SERIES								
Block	Compartment	Number of Trees				Yield Calculation		Calculation
		SAL		OTHERS		SAL	OTHERS	
		II	I	II	I	II	I	SAL
Pondakhol	9	4.25	6.31	13.92	6.12	9.17	33.20	Y=15.70% 15.7
	10	7.24	3.88	15.41	4.44	23.46	46.59	Limit of trees/Ha = 1.24
	11	7.95	5.07	26.12	12.05	20.08	31.88	
	12	3.84	3.47	14.70	8.96	14.63	25.12	
	13	10.60	9.03	10.37	3.99	15.43	37.05	OTHERS
	14	6.34	4.44	37.01	9.74	18.48	49.91	
	17	0.15	0.04	39.55	12.84	44.36	42.47	
	18	6.83	7.31	22.46	15.11	12.47	23.02	Y=29.74% 29.73777623
Total		47.20	39.55	179.55	73.25	158.08	289.23	Limit of trees/Ha = 6.06
Average		5.90	4.94	22.44	9.16	19.76	36.15	

RUBANGI FELLING SERIES

Block	Compartment	Number of Trees				Yield Calculation		SAL Y=27.10% 27.1 Limit of trees/Ha = 0.50 OTHERS Y=29.97% 29.97488024 Limit of trees/Ha = 7.02
		SAL		OTHERS		SAL	OTHERS	
		II	I	II	I	II	I	
Pondakhol	15	2.65	0.97	17.20	10.34	32.58	25.42	
	16	2.99	1.83	43.54	14.07	20.84	42.63	
	17	0.15	0.04	39.55	12.84	44.36	42.47	
	19	1.53	0.22	17.01	6.49	65.49	37.31	
	20	2.61	1.34	14.96	4.70	24.34	43.56	
	21	3.73	2.84	11.23	4.70	17.14	34.58	
	31	1.87	1.16	31.64	8.84	20.61	47.69	
	32	2.87	0.41	27.46	15.04	66.56	27.56	
	33	0.00	0.00	21.42	14.74	0.00	22.56	
	34	0.97	0.00	35.04	12.95	0.00	38.29	
Total		19.37	8.81	259.07	104.70	291.91	362.06	
Average		1.94	0.88	25.91	10.47	29.19	36.21	

JIRAKUA FELLING SERIES

Block	Compartment	Number of Trees				Yield Calculation		SAL Y=16.40% 16.4 Limit of trees/Ha = 0.53 OTHERS Y=26.36% 26.35548304 Limit of trees/Ha = 4.17
		SAL		OTHERS		SAL	OTHERS	
		II	I	II	I	II	I	
Pondakhol	20	2.61	1.34	14.96	4.70	24.34	43.56	
	21	3.73	2.84	11.23	4.70	17.14	34.58	
	22	4.70	3.77	11.79	7.31	16.33	24.73	
	23	0.00	0.00	20.22	12.28	0.00	25.20	
	24	0.11	0.00	6.79	2.13	0.00	43.68	
	25	0.00	0.00	19.29	7.13	0.00	38.30	
	26	0.19	0.07	4.14	1.49	30.24	39.07	
	27a	7.69	13.51	25.82	14.03	7.79	27.74	
	28	1.38	0.37	12.57	4.51	41.73	39.19	
	29a	5.15	2.50	18.92	4.81	25.59	51.18	
	30	1.94	1.19	22.35	13.10	20.75	25.98	
	32	2.87	0.41	27.46	15.04	66.56	27.56	
	35	2.35	0.63	26.08	14.33	41.78	27.48	
	36a	2.24	1.27	6.64	1.60	22.34	53.18	
Total		34.96	27.91	228.28	107.16	314.58	501.42	
Average		2.50	1.99	16.31	7.65	22.47	35.82	

Table No. 2.4: Abstract of Yield Calculation

Sl. No.	Felling series	No of coupes	Area of F.S. in ha	Allowed % of removal		Tree limit per Ha.		Total tree limit per Ha.
				Sal	Others	Sal	Others	
1	BAIMELLA	11	3748.4	13.57	22.64	0.89	3.91	4.81
2	AJUDI	8	3392.58	15.67	29.74	1.24	6.06	7.30
3	RUBANGI	10	3621.54	27.09	29.97	0.50	7.02	7.52
4	JIRAKUA	14	4502.15	16.39	26.36	0.53	4.17	4.70
	Total :	43	15264.67	72.73	108.71	3.16	21.16	24.32
	Average :	10.75	3816.168	18.18	27.18	0.79	5.29	6.08
Reduction by 25% to compensate the Biotic pressure and for Conservation measures as an added precaution						0.20	1.32	1.52
Trees available for marking per ha						0.59 or say, 1.0	3.97 or say, 4.0	4.56 or say, 5.0

2.11 SEQUENCE OF FELLINGS

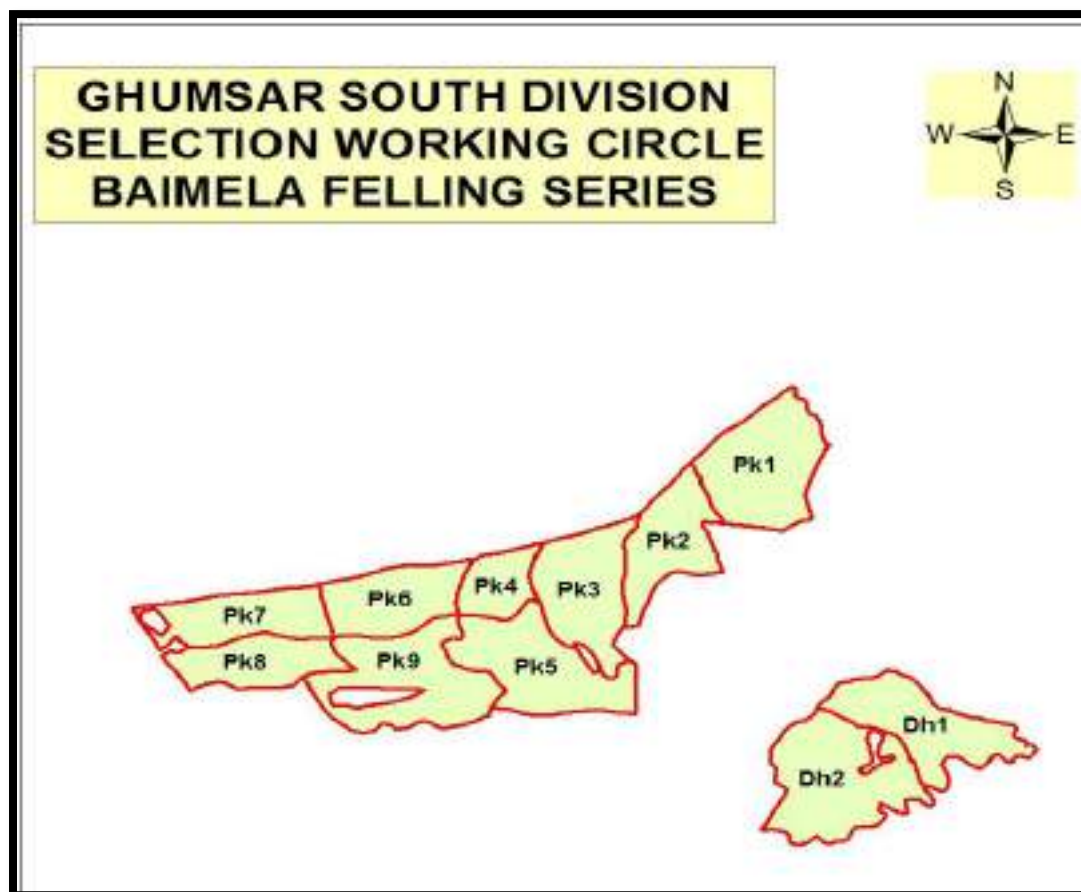
2.11.1 The forest area allotted to Selection Working Circle has been divided into four felling series as per the outgoing Working Plan. The area is same as that of the outgoing plan. There was proposal from Regional Chief Conservator of Forests, Berhampur to include 735.33 ha. of area of Panchabhuti Forest block in this working circle but the proposal could not be accepted due to unavailability of exploitable trees as revealed from the field verification. The sequence of felling is given at **Table No 2.5**.

Table No. 2.5: Table of Felling

BAIMELLA FELLING SERIES						
Year	Coupe Number	Block	Compartment Number	Compartment Area	Coupe Area	Remarks
2014-15	I	Pondakhhol	9 (Part)	172.97	172.97	
2015-16	II	Pondakhhol	5a	383.66	383.66	
2016-17	III	Pondakhhol	4	229.51	229.51	
2017-18	IV	Pondakhhol	3 (Part)	198.83	198.83	
2018-19	V	Pondakhhol	2 &	332.90	575.40	

			3 (Balance)	242.50		
2019-20	VI	Pondakhhol	1	526.00	526.00	
2020-21	VII	Dhaugam	1a &	250.90	626.10	
			2a	375.20		
2021-22	VIII	Pondakhhol	7	378.14	378.14	
2022-23	IX	Pondakhhol	8	344.37	344.37	
2023-24	X	Pondakhhol	6	313.42	313.42	
	Total area of the Baimella Felling Series				3748.40 ha	
AJUDI FELLING SERIES						
Year	Coupe Number	Block	Compartment Number	Compartment Area	Coupe Area	Remarks
2014-15	I	Pondakhhol	13 (Balance)	428.54	428.54	
2015-16	II	Pondakhhol	12	334.67	334.67	
2016-17	III	Pondakhhol	14 (Part)	351.37	351.37	
2017-18	IV	Pondakhhol	11(Part)	307.06	307.06	
2018-19	V	Pondakhhol	14 (Balance)	266.63	266.63	
2019-20	VI	Pondakhhol	11 (Balance)	180.16	180.16	
2020-21	VII	Pondakhhol	9 (Balance)	246.71	487.09	
			10	240.38		
2021-22	VIII	Pondakhhol	18 (Part) &	169.03	306.03	
			19 (Part)	137.00		
2022-23	IX	Pondakhhol	18 (Balance)	400.33	400.33	
2023-24	X	Pondakhhol	13 (Part) &	138.51	330.70	
			17 (Balance)	192.19		
	Total area of the Ajudi Felling series				3392.58 ha	
RUBANGI FELLING SERIES						
Year	Coupe Number	Block	Compartment Number	Compartment Area	Coupe Area	Remarks
2014-15	I	Pondakhhol	16	596.30	596.30	
2015-16	II	Pondakhhol	15	397.54	397.54	
2016-17	III	Pondakhhol	31 (Part)	313.22	313.22	
2017-18	IV	Pondakhhol	31 (Balance) &	162.37	438.26	
			32 (Part)	275.89		
2018-19	V	Pondakhhol	33	346.47	346.47	
2019-20	VI	Pondakhhol	34 (Part)	226.00	226.00	
2020-21	VII	Pondakhhol	34 (Balance)	341.05	341.05	
2021-22	VIII	Pondakhhol	17 (Part) &	148.14	293.94	
			19 (Balance)	145.80		
2022-23	IX	Pondakhhol	20 (Part) &	231.30	373.42	
			21 (Part)	142.12		
2023-24	X	Pondakhhol	30 (Part)	295.34	295.34	
	Total area of the Rubangi Felling series				3621.54 ha	
JIRAKUA FELLING SERIES						
Year	Coupe	Block	Compartment	Compartment	Coupe	Remarks

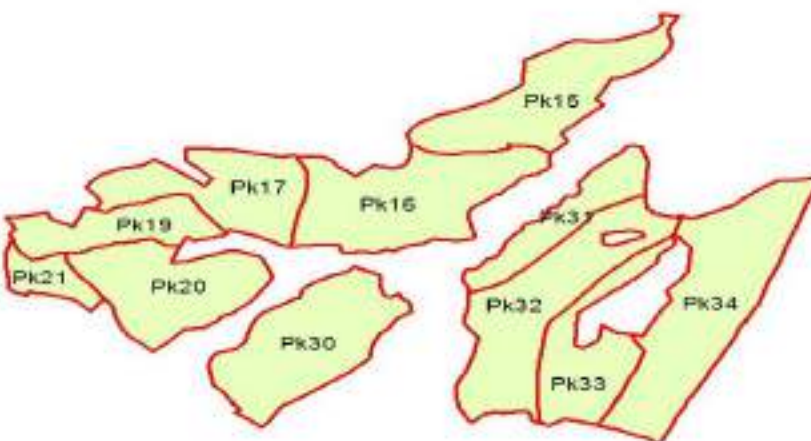
	Number		Number	Area	Area	
2014-15	I	Pondakhol	25 (Balance) &	165.38	314.58	
			26	149.20		
2015-16	II	Pondakhol	28 (Part)	354.65	354.65	
2016-17	III	Pondakhol	27a &	449.26	513.96	
			28 (Balance)	64.70		
2017-18	IV	Pondakhol	29a	578.64	578.64	
2018-19	V	Pondakhol	32 (Balance)	202.45	202.45	
2019-20	VI	Pondakhol	30 (Balance)	267.84	267.84	
2020-21	VII	Pondakhol	35 &	456.52	743.10	
			36a	286.58		
2021-22	VIII	Pondakhol	23	520.35	520.35	
2022-23	IX	Pondakhol	20 (Balance) &	233.78	707.85	
			21 (Balance) &	152.32		
			22	321.75		
2023-24	X	Pondakhol	24 &	175.17	298.73	
			25 (Part)	123.56		
					4502.15 Ha.	
				TOTAL :	15264.67 Ha.	



**GHUMSAR SOUTH DIVISION
SELECTION WORKING CIRCLE
AJUDI FELLING SERIES**



**GHUMSAR SOUTH DIVISION
SELECTION WORKING CIRCLE
RUBANGI FELLING SERIES**





2.12 METHOD OF EXECUTION OF FELLINGS

2.12.1 Demarcation of annual coupes

(i) The annual coupes shall be demarcated in the winter season (October to December) of the year preceding the year in which it is due for working as shown in the management map in 1: 50,000 scale on topo sheets.

(ii) If any portion of the coupe line coincides with the boundary of any compartment or sub-compartment line, it need not be laid on the ground. The compartment and sub-compartment line shall be maintained by putting double and single white paint rings on the prominent trees lying on it respectively.

(iii) The other portions of coupe line shall be laid down by clearance of 1.5 mt width along with creation of stone cairns (white painted) at visible distance. Clearance shall be restricted for the purpose of identification and visibility. No fellings of any kind shall be done on the strip. Double coal tar rings shall be given on the trees standing on the coupe line.

(iv) In case a coupe overlaps two or more compartments, each portion shall be treated as a separate lot in order to ensure proper maintenance of compartment history. In all

such cases, the lot line should be demarcated with single coal tar ring along the compartment / sub-compartment line.

(v) Coupes shall be indicated by displaying signboards at corners or at points of intersection of roads, inspection paths, boundary lines of Reserved Forests. The signboards should contain the name of the felling series, the number of the coupe, its area, year of working and number of the compartment. (Example; S. W. C., Baimella F. S., C / VIII, 378.14 ha, 2021 - 22, Compartment No. 7, Pondakhol Reserve Forest).

(vi) Coupes shall be demarcated by Forest Officer not below the rank of a Forest Ranger and shall be checked by an Officer not below the rank of Assistant Conservator of Forests before the marking is taken up.

2.12.2 **Marking rules**

(i) First of all the marking officer will take up reconnaissance survey of the coupe area and assess the extent of illicit felling, uprooting of trees and its dying due to girdling, diseased etc. The quantum of marking shall be reduced to the extent of number of trees of exploitable girth class illicitly felled, uprooted. Thus the net trees to be marked should be the difference between the maximum permissible number of trees due for marking and number of trees illicitly felled since previous coupe working which is nothing but an additional precaution. If the difference is negative then no marking be taken up in that coupe.

(ii) All dead, dying, seriously diseased, uprooted and fallen trees shall be marked for felling as the first charge. A tree whose top one third is already dead shall be treated as a dying tree.

(iii) All trees above the exploitable girth class shall be marked. Out of the exploitable girth trees available, only 18.18 % of the trees (limited to 01 tree) in case of Sal and 27.18 % of the trees (Limited to 04 trees) for non sal trees per hectare) shall be marked for felling. Thus all together 5 trees shall be marked.

(iv) The trees retained should be sound, dominant, well grown and vigorous. The reserved trees shall be painted with single white paint ring at breast height and at base and serially numbered in each coupe. The list of such trees shall be maintained in the compartment history and coupe register for silvicultural research purpose (plus tree/seed trees etc.).

(v) If a tree is forked below breast height, it shall be taken as two trees instead of being counted as one tree. In all other case it should be taken as a single tree.

(vi) All trees to be marked for felling shall be given two blazes approximately of size 15 cm x 15 cm, one at the breast height and the other as close to the ground as possible and marked with a departmental hammer and numbered serially and duly entered in the marking register.

(vii) Marking shall not be done within 50 meters of roadside and either side of nallah banks. Marking shall not be done within 50 meters radius around the key habitat of wild animals such as den, saltlick, game tank and water holes.

(viii) If a tree is marked for felling no other tree should be marked for felling within the radius of 15 meters from such tree in order not to create permanent opening of canopy.

(ix) Marking should not be done in areas where the slope of terrain is more than 30° except for dead and uprooted trees. In such case the lower blaze mark should be given on the upper slope side.

(x) Marking should be done only for those trees whose removal will not create a permanent gap in the canopy and will not affect regeneration and fauna.

(xi) The fruit bearing trees such as Mahula, Mango, Tamarind, Amla, Chara, Kendu, Bahada, Harida and Bela etc. shall not be marked for felling under any circumstance.

(xii) All climbers shall be cut prior to marking if their existence is not silviculturally beneficial .

(xiii) Trees standing on the blank patch having no established regeneration of any species underneath shall not be marked.

2.12.3 Execution of marking and felling

(i) The marking shall be done by an officer of the rank of Range Officer, which should be checked as per provisions of the Orissa Forest Department Code, 1979, as modified by Government from time to time.

(ii) The method of disposal of trees marked for felling shall be as per Chapter - XIV of the Orissa Forest Department Code, 1979 as modified by Government from time to time.

(iii) Felling and extraction in any annual coupe shall be allowed during the lease year *i.e.* from 1st October to 30th June following. Felling of trees will be done by saw and not by axe. No felling, logging, passing and dragging shall be allowed between the period of 1st June to 30th September. Divisional Forest Officer shall allow extension of time only after physical verification of previous years incomplete coupes. Marked trees shall be felled as

close to the ground as possible leaving the lower blasé with the digitized impression intact for post felling inspection.

(iv) Trees shall be lopped before felling to avoid damage to the regeneration and standing crops. The trees should be felled towards upper hill slope in hilly coupes.

(v) Firewood billets will have to be stacked along the extraction path in a standard size of 6' x 3' x 3' or 12' x 3' x 3'. Felling work undertaken, number of lots formed, detailed passing list, deviations if any must find place in the compartment history.

2.13 SUBSIDIARY SILVICULTURAL OPERATIONS

2.13.1 Subsidiary silvicultural operation shall be done in the year following the main felling. This departmental operation shall be done over the entire coupe area except in very degraded areas and steep slopes.

In order to take up subsidiary silvicultural operation systematically, an annual action plan shall be prepared in advance along with treatment plan and treatment map.

The following operations are recommended.

- (i) All marked trees not felled by the OFDC Ltd. shall be felled and removed from the annual coupe.
- (ii) All these trees damaged in the main fellings without any scope for survival, shall be felled.
- (iii) All the seriously diseased trees and high stumps shall be cut.
- (iv) All climbers left during marking whose existence is not desirable silviculturally shall be cut.
- (v) All fallen pieces of branches, small wood left during the main felling which could cause fire hazard shall be removed. All high stumps should be cut flush to the ground to promote coppicing.
- (vi) Soil and moisture conservation measures required shall be assessed. The physical cultural operation such as gully plugging, contour bonding, dry stone packing, construction of check dams etc. shall be carried out in subsequent years. The V.S.S. so organized will be activated and all the subsidiary silvicultural operation described in the previous para will be executed by them and usufructs will be given to them free of cost as per Govt. instruction in force.

2.14 CONTROL

2.14.1 Compartment histories, control forms and other records shall be maintained for each selection coupe / compartment, and felling series in accordance with the Working Plan Code.

2.15 MISCELLANEOUS REGULATIONS

2.15.1 **Grazing:** - The coupes shall be closed for grazing for five years including the year of working. Grazing shall be regulated in other area on the basis of rotation. Lopping is strictly prohibited.

2.15.2 **Fire Protection:** - The coupes shall be protected against fire for all time to come after the completion of main felling.

2.15.3 **Rights and concessions:** -Rights and concessions shall be regulated as per Chapter 1.

2.15.4 **Establishment of Sample Plots:** - There is no sample plot in the division. Establishment of a sample plot after consultation with the State Silvi-culturist had been prescribed in the outgoing plan but no sample plot has yet been created. Hence, it is prescribed to create a sample plot which should be used to measure the annual increase in growth of timber species like Sal etc. and other parameters like biodiversity, regeneration etc.

2.16 INTERMEDIATE REVISION

2.16.1 Intermediate revision is not anticipated. However, if necessary, prescriptions may be reviewed after 5 years jointly by the Addl. PCCF (PSM) O/o. PCCF and the Regional Chief Conservator of Forests, Berhampur. Any deviation suggested shall be subject to the sanction of the competent authority. However it is suggested that the new Working Plan will be in place before expiry of this plan without any further extension.

CHAPTER- III

REHABILITATION WORKING CIRCLE

GENERAL CONSTITUTION AND CHARACTER OF VEGETATION

3.1 GENERAL CONSTITUTION

3.1.1 This working circle includes all the forest blocks/compartments which have suffered relentless hacking and reeled over generations by the biotic interference, by both human and cattle resulting in its present degraded stock. Other factors like unrestricted grazing, repeated annual fire etc. have added fuel to the fire. These adverse biotic conditions have led to the top soil being washed away in some places resulting in exposure of the rocks. On the other hand, these forest blocks still contain enough potential in terms of sufficient rootstock and natural regeneration, which if tended and protected could be converted to high forests. Over the years the forests have been degraded to such an extent that it now falls in the category of ecologically sensitive forest (with crown density above 10% but below 40%) and ecologically fragile areas (with crown density below 10%). Most of these blocks are in urgent need of attention to arrest the process of degradation. Areas allotted to this Working Circle have emerged out of the forests treated under Selection, Coppice, Rehabilitation, Soil Conservation and Teak Plantation Working Circles of Mohanty's Plan; and Selection, Coppice, Plantation, Cashew nut and Cane Working Circles of Padhi's Scheme. By and large the areas worked under Eco restoration Working Circle of the outgoing plan are included in this Working Circle. Allotment of area to this Working Circle has been made basing on the detailed analysis of crop condition after reconnaissance survey and reinforced by stock mapping.

3.1.2 Further thirteen small patches of Village Forests Blocks as per DLC report spread over Aska, Badagarh and Buguda Range having an area of 68.0 Ha. have been brought under this working circle so that more thrust can be given to these areas for better management. Thus all the eco-fragile and eco-sensitive areas having density less than 0.4 have been included in this Working Circle.

3.1.3 The area allotted to this working circle is 81933.44 ha. The forest blocks like Pipalapanka, Kriamba etc. are partially degraded whereas most of forest blocks of Aska, Buguda, Polasara and Badagada Ranges are highly degraded.

3.2 CHARACTER OF VEGETATION

3.2.1 Baring few scatted patches here and there, the vegetation is having scrub to pole crop with occasional moribund economic trees at places. In fact after severe onslaught in earlier two occasions i.e. towards the end of the 1900 century by the British Government and between 1920 to 1940 by the ex-state rulers before merger, coupled with increasing population pressure, the original vegetation gave rise to a series of secondary flora, mostly of xerophytic species and are now predominantly dominated by inferior miscellaneous species like Asan, Dhaura, Sidha, Moi, Karada, Palas, Kendu, Bela, Chara, Mohul, Rohini, Kumbhi etc. Most of the blocks are situated in the populous tract and most of the forest blocks have been encroached upon and converted into both hamlets and agricultural lands. However, forests have shown sign of rejuvenation and improvement after their management in JFM mode through the VSS over the last two decades.

3.2.2 **Strategy :** It is desired to improve the overall productivity of the forests through various cost affective methods and the old concept of “sustainable yield” will give rise to the new concept of “ sustainable development”. The prescription should agree with the guideline for watershed development issued by the Ministry of Rural areas and employment, Government of India which has been accepted by the State Government to be the platform for implementation of different developmental activities. The essence of the guideline is to adopt an area oriented site specific approach on watershed management basis within the natural boundaries of any topography having a common drainage point so as to make the treatment more meaningful and integrated. The local villagers have been organised through formation of V.S.S. which is in the light of formation of watershed association, watershed committee, watershed development team etc. of the watershed guideline and to ensure their full participation in over all development of the forests. In accordance with provisions of the National Forest Policy 1988 and the Forest Conservation (Amendment) Act,1988 no forest land or any portion there of may be cleared of trees which have grown naturally even for the purpose of using it for reafforestation. Further the above policy and Act prohibits any forest

to be worked without having a management plan prepared for it and having approval of Government of India.

3.2.3 The main species in the upper canopy are Sal (*Shorea robusta*), Asan (*Terminalia alata*), Dhaura (*Anogeissus latifolia*), Haldu (*Adina cordifolia*), Mundi (*Mitragyna parviflora*), Salai (*Boswellia serrata*), Moi (*Lannea coromondalica*) Kendu (*Diospyros melanoxylon*), Senha (*Lagerstroemia parviflora*), Harida (*Terminalia chebula*), Semul (*Bombax ceiba*) with occasional Bija (*Pterocarpus marsupium*). The lower canopy includes Karla (*Cleistanthus collinus*), Ainla (*Emblica officinalis*), Sunari (*Cassia fistula*), Char (*Buchnanian lanzan*), Bahada (*Terminalia belerica*) and Bandhan (*Ougenia ozonensis*). The common shrubs are Dhatuki (*Woodfordia fruticosa*), Girdi (*Indigofera pulchella*), Ranikathi (*Flemingia chapper*) and Bankhajuri (*Phoenix acaulis*). Salia Bamboo (*Dendrocalamus strictus*) is the only species occurring commonly in the under storey.

3.3 SPECIAL OBJECT OF MANAGEMENT

3.3.1 The special object of management in this working circles are :

- [01] To improve the overall productivity in terms of net forest resources creation through adoption of area oriented site specific approach.
- [02] To check soil erosion through different anti erosion measures and help conserve soil and soil moisture.
- [03] To conserve biodiversity of the area.
- [04] To increase the production of firewood, small timber, fodder, bamboo and try to meet the demand of the people subject to availability.
- [05] To improve the composition and density of the crop by both artificial and natural regeneration.

3.3.2 Twenty five treatment series have been constituted. These treatment series have been constituted as per silvicultural requirements and the ease in treatment of coupes. This has led to the division of some bigger compartments into two or more smaller compartments basing on natural features. All the Twenty seven treatment series with annual treatment coupes have been shown in different colours in the management map.

3.4

AREA ALLOTMENT AND TREATMENT SERIES

It is proposed to allot an area of 81933.44 ha. under this Working Circle. For systematic treatment to the degraded forests various treatment series are proposed in all the Ranges taking into account various Silvicultural operations and watershed management. Further thirteen small patches of Village Forests blocks as per DLC report spread over Aska, Badagarh and Buguda Range having an area of 68.0 Ha. have been brought under this working circle so that more thrust can be given to these areas for better management. Each treatment series is proposed to be divided into 10 as equi extensive coupes as possible to synchronize with the plan period. The allotment of area to this working circle and treatment series is given in **Table No. 3.1.**

Table No. 3.1: **Area Allotment of Rehabilitation Working Circle**

Range	Treatment Series	Forest Block	Compartments (in Ha.)		Area of T.Series
			Number	Area	
Sorada	Gajalbadi	Pondakhhol	5b,27b,29b,36b	846.13	3079.54
		Dougam	1b,2b	406.10	
		Dabuki	1	506.32	
		Pankalgam	1	265.59	
		Bandhagochha(p)	1	613.64	
		Pipalapanka (p)	1	441.76	
	Pipalapanka	Pipalapanka (p)	2,3,4,5p,6p	2874.64	4591.50
		Mundapita (p)	1,2,3	1716.86	
	Raipada	Raipada	1,2,3,4,5	2607.27	3300.96
		Bandhagochha (p)	2	693.69	
	Hukuma	Hukuma (p)	1,2,3	1666.40	2930.54
		Dhepaguda	1,2	827.85	
		Mundapita (p)	4	436.29	
Badagada	Besarabata	Badagada-A (p)	1,2,3,4,5,9,10,11,12,13,14	3325.00	3325.00
	Bahadapadar	Badagada-A (p)	6p,7,8,15,16,18,19,25p	3065.00	3065.00
	Patama	Badagada-A(p)	17,20,21,22,23,24	2500.00	2928.00
		Srirampalli	1	410.00	
		Village Forest Block = 4 nos		18.00	
	Dhaupada	Badagada-B (p)	1,2p,3p,4,5,6,7,8,9,10	3550.00	3550.00
Buguda	Kriamba	Kriamba(p)	4,5(p),6(p),7p,8,9,10,11,12,13(p)	6847.25	6847.25

Range	Treatment Series	Forest Block	Compartments (in Ha.)		Area of T.Series
			Number	Area	
	Karchuli	Kriamba(p)	1(p),2(p),3(p)	1516.41	4276.84
		Karchuli-A	1,2,3,4(p)	2232.39	
		Karchuli-B	1	329.66	
		Panchabhuti-C	1	198.38	
	Kumarsuni	Binodia(p)	1p	159.96	3307.72
		K.Vishnuchakram	1p	931.95	
		Tangarai(p)	1	667.49	
		Sandhasulia	1p	698.34	
		Jhollery	1p	849.98	
	Panchabhuti	Panchabhuti A	1p,2p,3p,4p	1515.28	3410.64
		Solundi	1	362.75	
		Nageri	1	449.55	
		Kadapada	1p	497.36	
		Chamunda	1	265.59	
		Budurungu	1p	286.11	
		Village Forest Block = 7 nos		34.0	
Aska	Chemedi	Chemedi	1,2,3,4,5,6	1295.00	2199.22
		Hatimunda	1,2p,3p	415.00	
		Gauduni(p)	1p,2p	174.33	
		Gadagada(p)	1p,2p,3p	249.00	
		Badadanda	1	50.00	
		Bhuidimiripalli	1	15.89	
	Suliaguda	Suliaguda	1,2,3,4	875.00	2545.00
		Mallijhar-I	1	410.00	
		Rasibadi	1	320.00	
		Chapudia	1	210.00	
		Kantakhola	1,2	390.00	
		Machhakhai	1,2	340.00	
	Pakedi	Pakedi(p)	1p,2,3p,4p,5,6p,7p,8p,9p,10p	1259.00	1275.00
		Village Forest Block = 2 nos		16.0	
	Mallijhar	Mallijhar-II	1p,2,3,4p,5,6	1685.00	2111.53
		Ambadabana(p)	1p,2p,3p	315.00	
		Kansa(p)	1p	111.53	
	Dampur	Badagada-C(p)	1,3,6,7,8,9,10,11,12,13	4220.00	4220.00
	Patasula	Badagada-C(p)	2,4,5,14,15,16,17,22,23,24,	3570.00	3570.00
	Karadakana	Badagada-C(p)	18,19,20,21,25,	3260.00	3260.00

Range	Treatment Series	Forest Block	Compartments (in Ha.)		Area of T.Series
			Number	Area	
			26,27,28,29,30		
Polosara	Khaladimal	Paikajamuna	1	203.48	2166.70
		Kakudia	1	85.02	
		Khaladimal	1p,2,3,4,5,6	1475.00	
		Jokalundi	1	390.00	
		Bhalukhai	1	13.20	
	Purunapani	Purunapani-Daburia	1p,2,3,4,5,6,7,8p	2393.00	2933.00
		Sodaka-A	1p	360.00	
		Sodaka-B	1p	180.00	
	Khumula	Pandirpada(p)	1,2,3,4,5,6,7,8,9	3540.00	3540.00
	Kasipada	Pandirpada(p)	10,11,12p,13,14p, 15,16p,17,18,24	3595.00	3595.00
	Ichhapur	Pandirpada(p)	19,20,21,22,23, 25,26,27,28,29	3170.00	3170.00
	Bileejhuri	Pandirpada(p)	30,31,32,33,34, 35,36,37,38	2735.00	2735.00
		TOTAL:			81933.44

3.5 ANALYSIS AND VALUATION OF CROP

3.5.1 Enumeration of 1% growing stock by Stratified Systematic Strip Sampling Method was conducted in all the forest blocks allotted to this Working Circle having a width of 40 mts. strip. The result of compartment wise enumeration were analysed and presented in Appendix – XV. The entire working circle has been stock mapped based on the enumeration of growing stock. Stand and stock tables have been prepared based on the inventory data of strip enumeration by giving no of trees in different girth class varying from 30 cm to 150 cm and above with 30 cm interval. The principal species seen in the Selection Forest are Sal, Piasal, Sisoo, Bandhan, Gambhar, Haland, Mundi, Kashi, Asan, Mai, Mahula, Mango, Tamarind, Amla, Char, Kendu, Bahada, Harida, Kusum, Bela, Jamun and mixed with various miscellaneous species. After analysing the enumeration data, it is seen that the presence of Sal is only 5.38% in this Working Circle where as other species is 94.62. The number of trees available in different girth classes in Stratified Systematic Strip Sampling Method is given in the **Table No. 3.1(i)** & their corresponding Volumes in **Table No. 3.1(ii)**.

Table No. 3.1(i): **Estimated Total Number of Trees (RWC) in Strip Method**

Enum. Area (Ha): **96415.42** Total no of
 Strip Area (Ha.): **964.15** Compts.: **259**
 Strip Intensity: **1%**

Number of trees by Girth Class Wise and Species Wise

Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
Sal	173241	364146	138242	63320	23034	7280	769261
Piasal	224055	39956	7093	7216	0	0	278320
Sisoo	90296	13829	5721	453	0	0	110299
Bandhan	145338	53303	10442	2355	3016	222	214675
Gambhar	28755	3765	0	0	0	0	32520
Halanda	126759	27724	11382	9769	3093	1060	179787
Mundi	83308	20462	6416	4131	980	334	115631
Kashi	322844	52678	7048	1996	4659	183	389408
Asan	736001	206921	39760	9550	7076	1406	1000715
Mai	1369854	392218	117881	44046	5466	1007	1930472
Mahula	578098	136310	22211	11158	7883	1960	757620
Mango	155413	73482	22247	4682	6038	6044	267906
Tamarind	11412	6700	3537	596	512	276	23032
Amla	166856	18012	1630	0	0	0	186499
Char	1001877	169383	14724	151	98	0	1186233
Kendu	661035	144145	27537	8692	3779	994	846182
Bahada	139428	17913	1995	3551	0	0	162887
Harida	84912	22947	7486	2239	887	135	118606
Kusum	198206	43961	17258	7734	12515	3486	283160
Bela	335422	33855	2535	169	574	0	372554
Jamun	231338	62751	15818	4206	556	0	314669
Misc.	3549304	898801	218633	57799	26730	10693	4761960
TOTAL:	10413752	2803261	699595	243812	106895	35081	14302396

TOTAL NO OF SPECIES IN SOUTH DIVISION

SAL	173241	364146	138242	63320	23034	7280	769261
OTHERS	10240512	2439115	561354	180493	83861	27801	13533135

PERCENTAGE OF ESTIMATED SPECIES

SAL	1.66	12.99	19.76	25.97	21.55	20.75	5.38
OTHERS	98.34	87.01	80.24	74.03	78.45	79.25	94.62

100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Table No. 3.1(ii): **Estimated Volume Of Trees (RWC) in Strip Method**Enumerated Area (Ha): **96415.42**Total no of Compts.: **259****Number of trees by Girth Class Wise and Species Wise**

Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm
Sal	10230	98280	87885	78383	47126	21470
Piasal	15827	12217	4814	9181	0	0
Sisoo	43081	19390	15167	2039	0	0
Bandhan	9218	14538	6341	2687	5567	583
Gambhar	1636	922	0	0	0	0
Halanda	61977	19979	9998	10020	3570	1334
Mundi	6537	5817	3972	4782	1834	888
Kashi	25011	15987	4556	2360	8766	486
Asan	48161	58158	25763	11916	14503	4140
Mai	86887	106973	71577	50262	10090	2646
Mahula	36675	30492	10340	9404	10518	3674
Mango	8841	17993	12544	5079	10753	15455
Tamarind	649	1641	1994	646	911	705
Amla	9492	4411	919	0	0	0
Char	56994	41476	8302	164	174	0
Kendu	512906	184805	47850	19503	10393	3187
Bahada	16131	7449	1713	5479	0	0
Harida	4830	5619	4221	2429	1580	346
Kusum	11275	10765	9731	8389	22286	8914
Bela	19081	8290	1429	183	1021	0
Jamun	18154	17839	9794	4868	1040	0
Misc.	201911	220084	123276	62696	47601	27343
TOTAL:	1205505	903123	462187	290469	197733	91171

TOTAL NO OF SPECIES IN SOUTH DIVISION

SAL	10230	98280	87885	78383	47126	21470
OTHERS	1195275	804843	374301	212086	150606	69700

PERCENTAGE OF ESTIMATED SPECIES

SAL	0.85	10.88	19.02	26.98	23.83	23.55
OTHERS	99.15	89.12	80.98	73.02	76.17	76.45
	100.00	100.00	100.00	100.00	100.00	100.00

3.6 MODE OF TREATMENT

3.6.1 It consists of rigid protection measures by ensuring people participation, anti-erosion and water conservation measures, tending of existing crop in favour of the prominent shoots of economic species to be supplemented by artificial regeneration in full filling the gap. Advance preparation like nursery and preplanting works are to be carried out simultaneously with the tending operation before the planting season of the year the coupe is due for work.

3.7 SILVICULTURAL SYSTEM

3.7.1 It is not prescribed as the operations are confined to protection, tending , soil and moisture conservation measures and reafforestation in the gaps.

3.8 ROTATION

3.8.1 No rotation is prescribed as it is not desired to harvest either the existing crop or the plantations to be raised during the plan period.

3.9. CHOICE OF SPECIES

3.9.1 From the point of view of biodiversity conservation, all the existing natural species will be given equal importance, but for the purpose of gap planting, species of economic importance and capable of surviving in dry humid and drought conditions will be given preference to other species. Economic Species like Bija, Semul, Bamboo, Sissoo etc. occur naturally in the forests. Therefore, these species will be given first preference. Naturally occurring M.F.P. species like Bahada, Anla, Karanja, Char, Ritha etc. should be planted as mixture. The “hand book of Afforestation technique” by Shri R.C.Ghosh provides valuable guidelines in this regard which may be referred to. Forester’s companion by A.R.Maslekar (Pages 29-35) also lists out the species according to site types which would provide valuable guidelines in this regard. Different species suitable for problematic sites are furnished at **Table No 3.2.**

Table No. 3.2: **Species Suitable for Problematic Sites**

Site	Measures To Be Taken	Species To Be Planted
Ravine	1. Soil and water conservation measures	<i>Dalbergia sissoo</i> , <i>Albizzia lebbeck</i> , <i>Prosopis juliflora</i> , <i>Acacia catechu</i> , <i>Acacia nilotica</i> , <i>Azadirachta indica</i> , <i>Agave americana</i> , <i>Agave sisalana</i> , <i>Eulaliopsis binata</i>
	2. Full protection from grazing and fire	
	3. Safe disposal of run off	
	4. Grassland development	
	5. Afforestation	
Laterite Soil	1. Soil and Water conservation measures	<i>Dendrocalamus strictus</i> , <i>Madhuca indica</i> , <i>Acacia auriculiformis</i> , <i>Bombax ceiba</i> , <i>Soymida febrifuga</i> , <i>Cleistanthus collinus</i> , <i>Albizzia lebbeck</i> , <i>Agave species</i> , <i>Cassia siamea</i> , <i>Hardwickia binata</i> , <i>Azadirachta indica</i> , <i>Acacia nilotica</i> , <i>Acacia leucophloea</i> , <i>Derris indica</i> , <i>Dalbergia sissoo</i> , <i>Tamarindus indica</i> , <i>Eulaliopsis binata</i> , <i>Ailanthus excelsa</i> , <i>Acacia catechu</i> .
	2. Full protection from grazing and fire	
	3. Afforestation	
Skeletal soils	1. Contour bunding, trenching	
	2. Afforestation	
	3. Soil and Water conservation measures	
	4. Protection from grazing and fire	
	5. Sowing grasses	
	6. Seed dibbling / Afforestation.	
Water logged areas	1. Preparation of mounds	<i>Anthocephalus chinensis</i> , <i>Syzygium cumini</i> , <i>Terminalia arjuna</i> , <i>Bombax ceiba</i> , <i>Lagerstroemia speciosa</i> , <i>Dalbergia sissoo</i> , <i>Derris indica</i> , <i>Acacia nilotica</i> .
	2. Planting of tall plants	
	3. Application of anti termite chemicals	
	4. Early planting	
	5. Drainage	

3.9.2 Grass planting is the best answer for treatment of exposed soil in the eroded areas. Several grass species are recommended for the eroded and degraded sites. Local and indigenous grasses should be preferred. The grass species suitable for planting in eroded areas are *Chrysopogon*, *Eragrostis*, *Sehima*, *Sporobolus*, *Themeda*, *Cynodon* and *Vetiveria*. After the grasses get established only controlled and rotational grazing may be allowed. A list of grasses suitable for control of soil erosion is presented in **Table No. 3.3.** (Source: The Grass cover of India by P. N. Dabadghao and R.A. Shankar Narayan, I.C.A.R.).

Table No. 3.3: **Important Grass Species**

Species	Type	Habitat Factors
<i>Aristida setacea</i>	Fodder	Brown soil, Sandy loam with gravel, pH 7.0
<i>Arundinella bengalensis</i>	Fodder	Yellowish brown soil, Sandy loam, pH 6.2
<i>Arundinella nepalensis</i>	Fodder	Slopes having good drainage and permeability, Sandy loam, pH 6.5

Species	Type	Habitat Factors
<i>Bothriochloa intermedia</i>	Fodder	Grows on a variety of soil in subtropical conditions in level and hilly topography
<i>Bothriochloa pertusa</i>	Fodder	Grows in various soils, pH 5.8 to 7.5
<i>Cenchrus ciliavis</i>	Fodder	Grows in semi-arid zone and sandy soil, pH 7.5 to 7.7
<i>Cenchrus setigerus</i>	Fodder	Grows in semi-arid zone and sandy soil, pH 7.5 to 7.7
<i>Chrysopogon aciculatus</i>	Fodder	It is a creeping rhizome and prefers sandy loam, acidic soils on level or moist slopes, pH 5.1 to 6.1. Can withstand heavy grazing. Cannot survive on dry stones & sandy soils. Promising species for stabilization of embankments
<i>Chrysopogon fulvus</i>	Fodder	Prefers Hilly gravely, black cotton soils & red soils and low level of moisture
<i>Chrysopogon gryllus</i>	Fodder	Strong Acidic soil on high hills, pH 4.2
<i>Cymbopogon coloratus</i>	Non-Fodder	Occurs on a variety of sites of dry areas (Rainfall 500 to 1000 mm) having gravelly to sandy loam exposed rocks, Acidic to neutral soil on hill and plains
<i>Cymbopogon jwarancusa</i>	Non-Fodder	Prefers level to hilly topography, Sandy and rocky soil, pH 6.5 to 7.5
<i>Cymbopogon martinii</i>	Non-fodder	Wide distribution, pH 5.2 to 7.0
<i>Cynodon dactylon</i>	Fodder	Wide distribution, Prefers moist & level land, Withstands moderate grazing and trampling
<i>Dactyloctenium indicum</i>	Fodder	Dry areas, Prefers slightly alkaline soil
<i>Demostachya bipinnate</i>	Fodder	Prefers Semiarid and arid condition, Can tolerate pH up to 9.5
<i>Dichanthium species</i> <i>Dichanthium annulatum</i> <i>Dichanthium caricosum</i>	Fodder	A species of level land. Prefers sandy loam to loamy soil moist areas
<i>Dimeria fuscescens</i>	Fodder	Prefers good drainage and permeability, pH 4.2
<i>Eleusine compressa</i>	Fodder	A grass of arid region
<i>Eragrostis coarctata</i>	Fodder	A xerophytic grass
<i>Eremopogon foveolatus</i>	Fodder	Grows in skeletal soil, pH 6.6 to 7.5
<i>Eulalia trispicata</i>	Fodder	Prefers deep soil and low land
<i>Eulaliopsis binata</i>	Non fodder	Can grow in slopes up to 50%, hot dry localities, Withstand forest fire
<i>Heteropogon contortus</i>	Non-Fodder	Shallow eroded, black or red soil, pH 6.8 to 7.0
<i>Imperata cylindrica</i>	Fodder	Prefers moist swampy areas, pH 4.0 to 7.5
<i>Ischaemum indicum</i>	Fodder	Lowland wet ground on black soil, pH 7.0 - 8.5
<i>Ischaemum timorense</i>		Damp land
<i>Iseilema spp</i>		Low lying area, heavy black soil, pH 6.1 - 7.4
<i>Lasiurus spp</i>	Fodder	Brown sandy soil, pH 8.5, Cannot stand grazing
<i>Leersia hexandra</i>		Prefers low lying lands, semi aquatic condition
<i>Narenga porphyrocoma</i>	Fodder	Level land with good drainage and permeability
<i>Neyraudia regnautiana</i>		Favours moist sandy loam area, pH 5.0
<i>Paspalum conjugatum</i>		Moist area
<i>Pharagmites karka</i>		Low lying land, pH 4.5

Species	Type	Habitat Factors
<i>Pseudanthistria hispida</i>		Clay soil with good drainage, pH 6.0
<i>Saccharum spp</i>		Mesophytic habitat
<i>Sclerostachya fusca</i>		Clay soil in depression of Sal forest, pH 4.75
<i>Sehima nervosum</i>	Fodder	Wide range of soil, deep soil, pH 6.5
<i>Sporobolus indicus</i>	Fodder	Withstand inhospitable soil, drought, pH 4. 5
<i>Sporobolus narginatus</i>	Fodder	Level sandy tract of arid zone
<i>Themeda triandra</i>	Fodder	Gravelly soil on hills, pH acidic to neutral
<i>Vetiveria zizaniodes</i>	Non-Fodder	Ill drained land where water table is high. Soil sandy loam to clay, pH 4.0 to 7.5

3.10 REHABILITATION CYCLE

3.10.1 It is fixed at 10 years to synchronise with the plan period and shall be completed within the plan period.

3.11 YIELD

3.11.1 As no final harvest is expected in the plan period, it is not discussed. Intermediate harvest if any in the J.F.M. area will go to the V.S.S. in toto but will be so small that it does not merit discussion here.

3.12 ALLOTMENT OF AREAS INTO REHABILITATION CIRCLE

3.12.1 The statement at **Table No. 3.4** indicates the allotment of areas into different Rehabilitation series in each Range and its sequence of operation. The same sequence has been followed as was done in the outgoing plan. These areas have been shown in 1 : 50,000 scale topo maps.

Table No. 3.4: **Sequence of Treatment Series**

SORADA RANGE						
Gazalbadi Treatment series						
Year	Coupe Number	Block	Compartment Number	Compartment Area	Coupe Area	Remarks
2014-15	I	Dabuki	1(Part)	222.62	222.62	
2015-16	II					
2016-17	III	Pondakhhol	5 b	100.82	100.82	
2017-18	IV	Pondakhhol	36 b	301.19	301.19	
2018-19	V	Pondakhhol	27 b	245.62	444.12	
			29 b	198.50		

2019-20	VI	-	-	-	-	
2020-21	VII	-	-	-	-	
2021-22	VIII	Pipalapanka	1	441.76	441.76	
2022-23	IX	Dhaugam	1b	203.06	406.10	
			2 b	203.04		
2023-24	X	Dabuki	1(Balance)	283.70	283.70	
Total area of the Gazalbadi Treatment series					3079.54 ha	
PIPALAPANKA TREATMENT SERIES						
Year	Coupe Number	Block	Compartment Number	Compartment Area	Coupe Area	Remarks
2014-15	I	Pipalapanka	3	606.03	606.03	
2015-16	II	Pipalapanka	4	558.20	558.20	
2016-17	III	Pipalapanka	6 (Part)	617.06	617.06	
2017-18	IV	Mundapita	1 (Part)	612.36	612.36	
2018-19	V	Mundapita	3 (Part)	290.16	290.16	
2019-20	VI	Mundapita	3 (Part)	260.36	260.36	
2020-21	VII	Mundapita	2	553.98	553.98	
2021-22	VIII	Pipalapanka	2	553.13	553.13	
2022-23	IX	Pipalapanka	5 (Part)	175.06	175.06	
2023-24	X	Pipalapanka	5 (Part)	365.16	365.16	
Total area of the Pipalapanka Treatment series					4591.50 ha	
RAIPADA TREATMENT SERIES						
Year	Coupe Number	Block	Compartment Number	Compartment Area	Coupe Area	Remarks
2014-15	I	Raipada	2 (Part)	323.72	323.72	
2015-16	II	Raipada	2 (Balance)	182.93	182.93	
2016-17	III	Raipada	3 (Part)	354.57	354.57	
2017-18	IV	Raipada	3 (Balance)	200.00	200.00	
2018-19	V	Raipada	4(Part)	299.6	299.6	
2019-20	VI	Bondhagocha	2 (Part)	352.93	352.93	
2020-21	VII	Bondhagocha	2 (Balance)	340.76	340.76	
2021-22	VIII	Raipada	1 (Part)	262.43	262.43	
2022-23	IX	Raipada	1 (Balance)	456.87	456.87	
2023-24	X	Raipada	5	527.15	527.15	
Total area of the Raipada Treatment series					3300.96	
HUKUMA TREATMENT SERIES						
Year	Coupe Number	Block	Compartment Number	Compartment Area	Coupe Area	Remarks
2014-15	I	Hukuma	2 (Balance)	308.71	308.71	
2015-16	II	Hukuma	3 (Part)	292.91	292.91	
2016-17	III	Hukuma	3 (Balance)	229.57	229.57	
2017-18	IV	Dhepaguda	1	334.78	334.78	
2018-19	V	Dhepaguda	2 (Part)	253.30	253.30	

2019-20	VI	Dhepaguda	2 (Balance)	239.77	239.77	
2020-21	VII	Mundapita	4 (Part)	436.29	436.29	
2021-22	VIII	Hukuma	1(Part)	418.75	418.75	
2022-23	IX	Hukuma	1(Part)	194.16	194.16	
2023-24	X	Hukuma	2(Part)	222.30	222.30	
Total area of the Hukuma Treatment series					2930.54 ha	
BADAGADA RANGE						
BESARBATA TREATMENT SERIES						
Year	Coupe Number	Block	Compartment Number	Compartment Area	Coupe Area	Remarks
2014-15	I	Badagada - A	5	345.00	345.00	
2015-16	II	Badagada - A	9	430.00	430.00	
2016-17	III	Badagada - A	11	250.00	250.00	
2017-18	IV	Badagada - A	12	375.00	375.00	
2018-19	V	Badagada - A	14 (Part)	355.00	355.00	
2019-20	VI	Badagada - A	13	270.00	270.00	
2020-21	VII	Badagada - A	10	220.00	220.00	
2021-22	VIII	Badagada - A	1	205.00	305.00	
			2	100.00		
2022-23	IX	Badagada - A	3	395.00	395.00	
2023-24	X	Badagada - A	4	380.00	380.00	
Total area of the Besarbata Treatment series					3325.00 ha	
BAHADAPADAR TREATMENT SERIES						
Year	Coupe Number	Block	Compartment Number	Compartment Area	Coupe Area	Remarks
2014-15	I	Badagada - A	15 (Balance)	268.97	268.97	
2015-16	II	Badagada - A	16	530.00	530.00	
2016-17	III	Badagada - A	19	345.00	345.00	
2017-18	IV	Badagada - A	25	145.00	145.00	
2018-19	V	Badagada - A	6	260.00	260.00	
2019-20	VI	Badagada - A	7	340.00	340.00	
2020-21	VII	Badagada - A	18	435.00	435.00	
2021-22	VIII	Badagada - A	8	355.00	355.00	
2022-23	IX	Badagada - A	15 (Part)	158.21	158.21	
2023-24	X	Badagada - A	15 (Part)	227.82	227.82	
Total area of the Bahadapadar Treatment series					3065 Ha.	
PATAMA TREATMENT SERIES						
Year	Coupe Number	Block	Compartment Number	Compartment Area	Coupe Area	Remarks
2014-15	I	Badagada - A	21 (Balance)	289.00	289.00	
2015-16	II	Badagada - A	22	295.00	295.00	
2016-17	III	Badagada - A	20 (Part)	387.00	387.00	

2017-18	IV	Badagada - A	20 (Balance)	433.00	433.00	
2018-19	V	Badagada - A	17	315.00	315.00	
2019-20	VI	Srirampalli	1 (Part)	87.73	105.73	
		4 Nos of VF blocks		18.00		
2020-21	VII	Srirampalli	1 (Balance)	322.27	322.27	
2021-22	VIII	Badagada - A	24	260.00	260.00	
2022-23	IX	Badagada - A	23	275.00	275.00	
2023-24	X	Badagada - A	21 (Part)	246.00	246.00	
Total area of the Patama Treatment series					2928.00 ha	
DHAUPADA TREATMENT SERIES						
Year	Coupe Number	Block	Compartment Number	Compartment Area	Coupe Area	Remarks
2014-15	I	Badagada - B	9	140.00	140.00	
2015-16	II	Badagada - B	10	190.00	190.00	
2016-17	III	Badagada - B	8	460.00	460.00	
2017-18	IV	Badagada - B	7	670.00	670.00	
2018-19	V	Badagada - B	6	555.00	555.00	
2019-20	VI	Badagada - B	1	540.00	540.00	
2020-21	VII	Badagada - B	2 (Part)	200.00	200.00	
2021-22	VIII	Badagada - B	3 (Part)	400.00	400.00	
2022-23	IX	Badagada - B	4	190.00	190.00	
2023-24	X	Badagada - B	5	205.00	205.00	
Total area of the Dhaupada Treatment series					3550Ha.	
BUGUDA RANGE						
KRIAMBA TREATMENT SERIES						
Year	Coupe Number	Block	Compartment Number	Compartment Area	Coupe Area	Remarks
2014-15	I	Kriamba	13	726.22	726.22	
2015-16	II	Kriamba	9	465.24	465.24	
2016-17	III	Kriamba	8	498.73	498.73	
2017-18	IV	Kriamba	7	833.22	833.22	
2018-19	V	Kriamba	6	731.83	731.83	
2019-20	VI	Kriamba	5	668.56	668.56	
2020-21	VII	Kriamba	4	959.71	959.71	
2021-22	VIII	Kriamba	10	733.69	733.69	
2022-23	IX	Kriamba	11	786.82	786.82	
2023-24	X	Kriamba	12	443.23	443.23	
Total area of the Kriamba Treatment series					6847.25 ha.	
KARCHULI TREATMENT SERIES						
Year	Coupe Number	Block	Compartment Number	Compartment Area	Coupe Area	Remarks

2014-15	I	Karchuli - A	2	646.22	646.22	
2015-16	II	Karchuli - A	1	390.76	390.76	
2016-17	III	Karchuli - B	1	329.66	329.66	
2017-18	IV	Panchabhuti-C	1	198.38	198.38	
2018-19	V	Kriamba	1	408.88	408.88	
2019-20	VI	Kriamba	2	582.03	582.03	
2020-21	VII	Kriamba	3	525.50	525.50	
2021-22	VIII	Karchuli - A	4 (Part)	286.87	286.87	
2022-23	IX	Karchuli - A	4 (Balance)	375.45	375.45	
2023-24	X	Karchuli - A	3	533.09	533.09	
Total area of the Karchuli Treatment series					4276.84 Ha.	
KUMARSUNI TREATMENT SERIES						
Year	Coupe Number	Block	Compartment Number	Compartment Area	Coupe Area	Remarks
2014-15	I	Binodia	1 (Part)	159.96	159.96	
2015-16	II	Tangarai	1 (Part)	371.92	371.92	
2016-17	III	Tangarai	1 (Part)	295.57	295.57	
2017-18	IV	Jhollery	1 (Part)	271.92	271.92	
2018-19	V	Jhollery	1 (Part)	578.06	578.06	
2019-20	VI	Sandasulia	1 (Part)	323.00	323.00	
2020-21	VII	Sandasulia	1 (Balance)	375.34	375.34	
2021-22	VIII	K. Vishnuchakram	1 (Part)	237.80	237.80	
2022-23	IX	K. Vishnuchakram	1 (Part)	316.12	316.12	
2023-24	X	K. Vishnuchakram	1 (Balance)	378.03	378.03	
Total area of the Kumarsuni Treatment series					3307.72 ha	
PANCHABHUTI TREATMENT SERIES						
Year	Coupe Number	Block	Compartment Number	Compartment Area	Coupe Area	Remarks
2014-15	I	Panchabhuti	1	519.28	519.28	
2015-16	II	Sollundi	1	362.75	362.75	
2016-17	III	Nagiri	1	449.55	449.55	
2017-18	IV	Kadapada	1 (Part)	229.20	263.20	
		7 Nos of VF blocks		34.00		
2018-19	V	Kadapada	1 (Balance)	268.16	268.16	
2019-20	VI	Chamunda	1	265.59	265.59	
2020-21	VII	Budurungu	1	286.11	286.11	
2021-22	VIII	Panchabhuti	4	278.28	278.28	
2022-23	IX	Panchabhuti	3	509.89	509.89	
2023-24	X	Panchabhuti	2	207.83	207.83	
Total area of the Panchabhuti Treatment series					3410.64 Ha.	

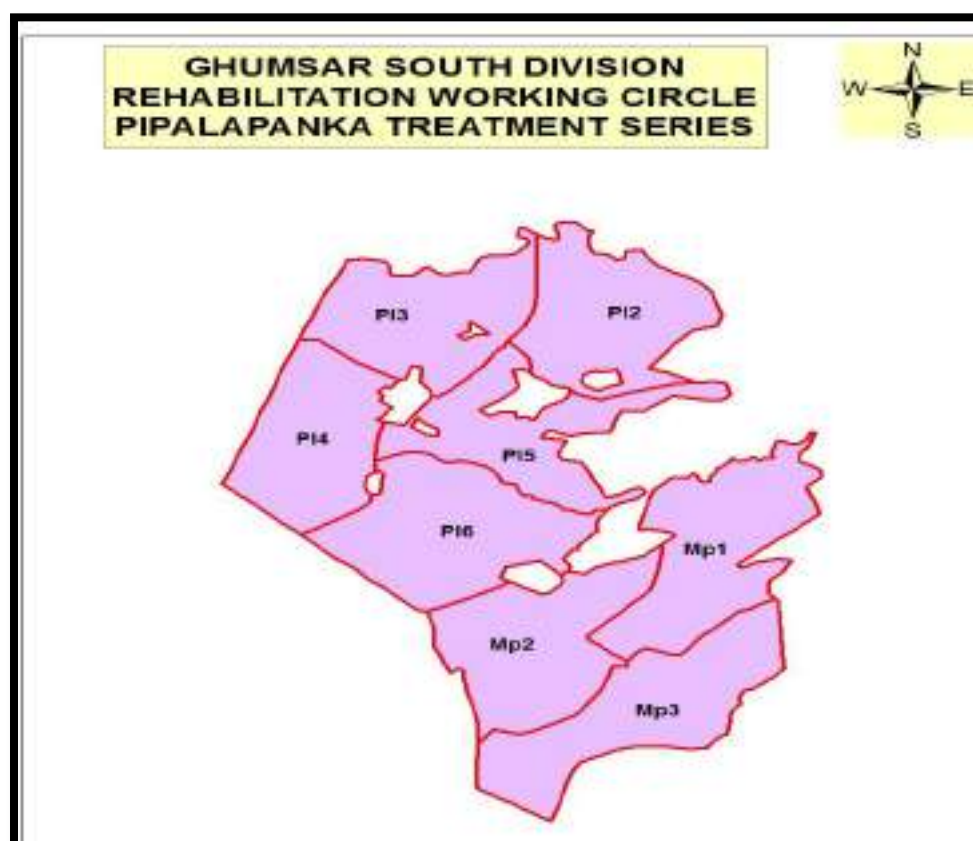
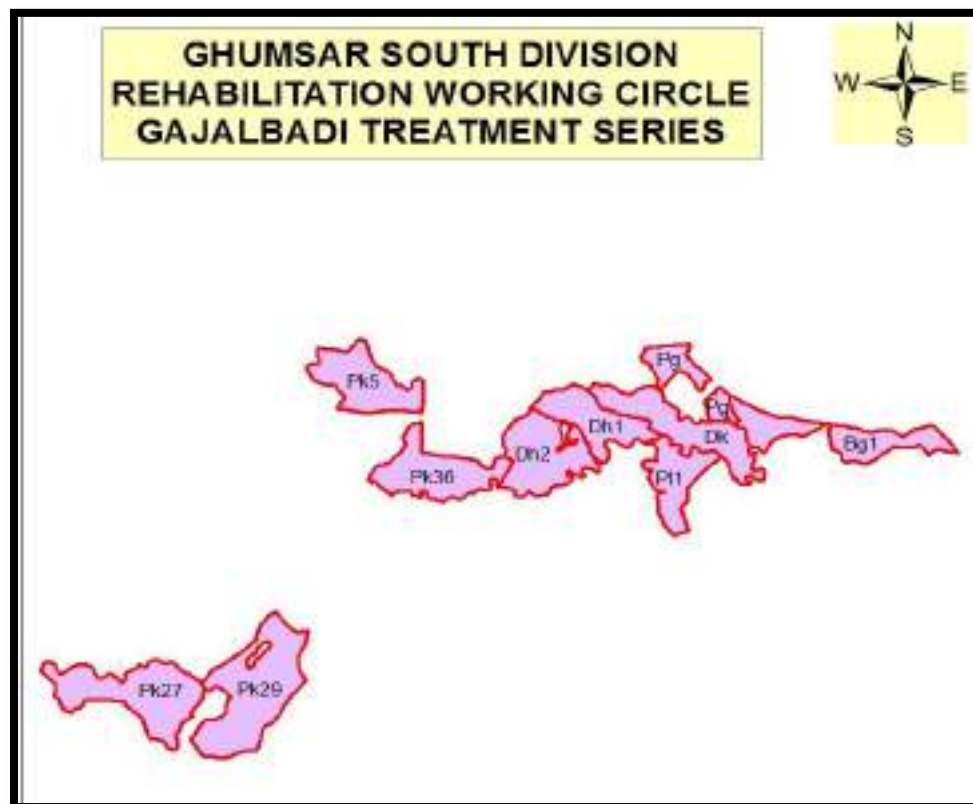
ASKA RANGE						
CHEMIDI TREATMENT SERIES						
Year	Coupe Number	Block	Compartment Number	Compartment Area	Coupe Area	Remarks
2014-15	I	Chemidi	2	115.00	470.00	
		Chemidi	3	355.00		
2015-16	II	Hatimunda	1	175.00	175.00	
2016-17	III	Hatimunda	2	150.00	240.00	
		Hatimunda	3	90.00		
2017-18	IV	Bhumidimiripalli	1	15.89	65.89	
		Badadanda	1	50.00		
2018-19	V	Gouduni	1	122.33	174.33	
		Gouduni	2 (Part)	52.00		
2019-20	VI	Gadagada	1 (Part)	110.00	110.00	
2020-21	VII	Gadagada	2 (Part)	84.00	139.00	
		Gadagada	3 (Part)	55.00		
2021-22	VIII	Chemidi	1	345.00	345.00	
2022-23	IX	Chemidi	4	180.00	250.00	
		Chemidi	5	70.00		
2023-24	X	Chemidi	6	230.00	230.00	
	Total area of the Chemidi Treatment series				2199.22 ha	
SULIAGUDA TREATMENT SERIES						
Year	Coupe Number	Block	Compartment Number	Compartment Area	Coupe Area	Remarks
2014-15	I	Suliaguda	4	180.00	180.00	
2015-16	II	Malijhar - I	1	410.00	730.00	
		Rasibadi	1	320.00		
2016-17	III	Chapudia	1	210.00	210.00	
2017-18	IV	Kantakhhol	1	270.00	270.00	
2018-19	V	Kantakhhol	2	120.00	120.00	
2019-20	VI	Machakhai	1	175.00	175.00	
2020-21	VII	Machakhai	2	165.00	165.00	
2021-22	VIII	Suliaguda	3	235.00	235.00	
2022-23	IX	Suliaguda	1	265.00	265.00	
2023-24	X	Suliaguda	2	195.00	195.00	
	Total area of the Suliaguda Treatment series				2545.00 Ha.	
PAKIDI TREATMENT SERIES						
Year	Coupe Number	Block	Compartment Number	Compartment Area	Coupe Area	Remarks
2014-15	I	Pakidi	10 (Part)	18.00	18.00	
2015-16	II	Pakidi	9 (Part)	54.00	54.00	
2016-17	III	Pakidi	5	220.00	220.00	
2017-18	IV	Pakidi	8 (Part)	17.00	33.00	
		2 Nos of VF		16.00		

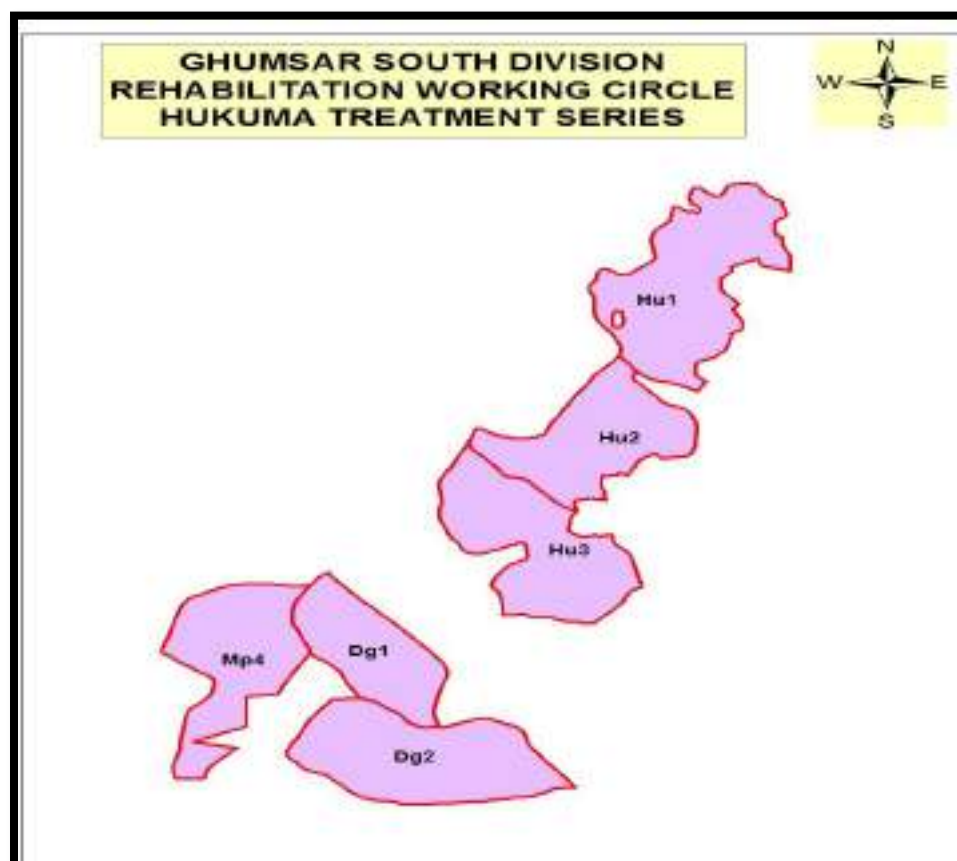
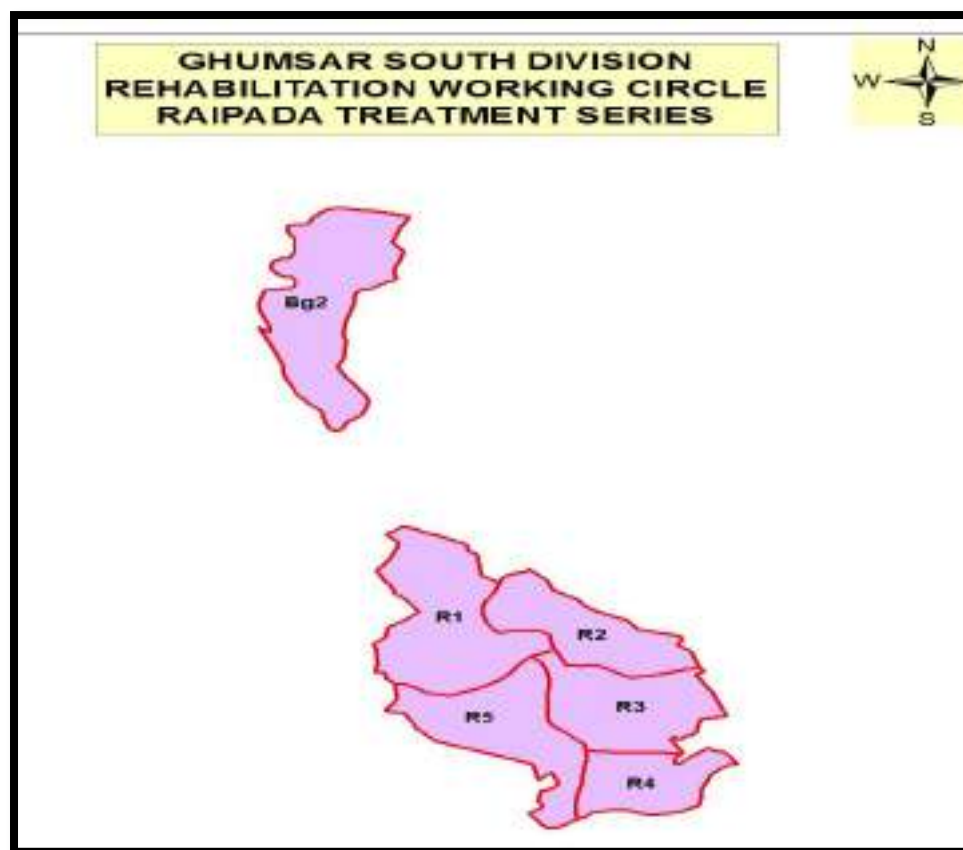
		blocks				
2018-19	V	Pakidi	7 (Part)	50.00	50.00	
2019-20	VI	Pakidi	6 (Part)	178.00	178.00	
2020-21	VII	Pakidi	3 (Part)	47.00	47.00	
2021-22	VIII	Pakidi	1 (Part)	220.00	220.00	
2022-23	IX	Pakidi	2	240.00	240.00	
2023-24	X	Pakidi	4 (Part)	215.00	215.00	
Total area of the Pakidi Treatment series					1275.00 ha	
MALIJHAR TREATMENT SERIES						
Year	Coupe Number	Block	Compartment Number	Compartment Area	Coupe Area	Remarks
2014-15	I	Malijhar - II	1	335.00	335.00	
2015-16	II	Malijhar - II	2	260.00	260.00	
2016-17	III	Malijhar - II	3	300.00	300.00	
2017-18	IV	Malijhar - II	4	230.00	230.00	
2018-19	V	Ambadaban	1 (Part)	115.00	115.00	
2019-20	VI	Ambadaban	3 (Part)	100.00	100.00	
2020-21	VII	Ambadaban	2 (Part)	100.00	100.00	
2021-22	VIII	Kansa	1 (Part)	111.53	111.53	
2022-23	IX	Malijhar - II	6	215.00	215.00	
2023-24	X	Malijhar - II	5	345.00	345.00	
Total area of the Malijhar Treatment series					2111.53 Ha.	
DAMPUR TREATMENT SERIES						
Year	Coupe Number	Block	Compartment Number	Compartment Area	Coupe Area	Remarks
2014-15	I	Badagada - C	9	455.00	455.00	
2015-16	II	Badagada - C	10	485.00	485.00	
2016-17	III	Badagada - C	11	440.00	440.00	
2017-18	IV	Badagada - C	7	700.00	700.00	
2018-19	V	Badagada - C	12	460.00	460.00	
2019-20	VI	Badagada - C	13	575.00	575.00	
2020-21	VII	Badagada - C	6	275.00	275.00	
2021-22	VIII	Badagada - C	3	165.00	165.00	
2022-23	IX	Badagada - C	1	340.00	340.00	
2023-24	X	Badagada - C	8	325.00	325.00	
Total area of the Dampur Treatment series					4220.00 ha	
PATASALA TREATMENT SERIES						
Year	Coupe Number	Block	Compartment Number	Compartment Area	Coupe Area	Remarks
2014-15	I	Badagada - C	17	390.00	390.00	
2015-16	II	Badagada - C	15	320.00	320.00	
2016-17	III	Badagada - C	16	385.00	385.00	
2017-18	IV	Badagada - C	14	340.00	340.00	

2018-19	V	Badagada - C	5	310.00	310.00	
2019-20	VI	Badagada - C	4	315.00	315.00	
2020-21	VII	Badagada - C	2	305.00	305.00	
2021-22	VIII	Badagada - C	24	150.00	150.00	
2022-23	IX	Badagada - C	22	700.00	700.00	
2023-24	X	Badagada - C	23	355.00	355.00	
Total area of the Patasala Treatment series					3570.00 ha	
KARADAKANA TREATMENT SERIES						
Year	Coupe Number	Block	Compartment Number	Compartment Area	Coupe Area	Remarks
2014-15	I	Badagada - C	26	265.00	265.00	
2015-16	II	Badagada - C	27	355.00	355.00	
2016-17	III	Badagada - C	25	270.00	270.00	
2017-18	IV	Badagada - C	21	390.00	390.00	
2018-19	V	Badagada - C	20	470.00	470.00	
2019-20	VI	Badagada - C	19	465.00	465.00	
2020-21	VII	Badagada - C	18	395.00	395.00	
2021-22	VIII	Badagada - C	28	200.00	200.00	
2022-23	IX	Badagada - C	29	210.00	210.00	
2023-24	X	Badagada - C	30	240.00	240.00	
Total area of the Karadakana Treatment series					3260.00 ha	
POLOSARA RANGE						
KHALADIMAL TREATMENT SERIES						
Year	Coupe Number	Block	Compartment Number	Compartment Area	Coupe Area	Remarks
2014-15	I	Khaladimal	2	275.00	275.00	
2015-16	II	Khaladimal	1	360.00	360.00	
2016-17	III	Bhalukhai	1	13.20	301.70	
		Paikajamuna	1	203.48		
		Kakudia	1	85.02		
2017-18	IV	Khaladimal	4	135.00	135.00	
2018-19	V	Khaladimal	3	125.00	125.00	
2019-20	VI	Jokalundi	1 (Part)	165.76	165.76	
2020-21	VII	Jokalundi	1 (Balance)	224.24	224.24	
2021-22	VIII	Khaladimal	6	150.00	150.00	
2022-23	IX	Khaladimal	5 (Part)	128.00	128.00	
2023-24	X	Khaladimal	5 (Balance)	302.00	302.00	
Total area of the Khaladimal Treatment series					2166.70 ha.	
PURUNAPANI TREATMENT SERIES						
Year	Coupe Number	Block	Compartment Number	Compartment Area	Coupe Area	Remarks
2014-15	I	P. Daburia	2	275.00	275.00	
2015-16	II	P. Daburia	3	345.00	345.00	

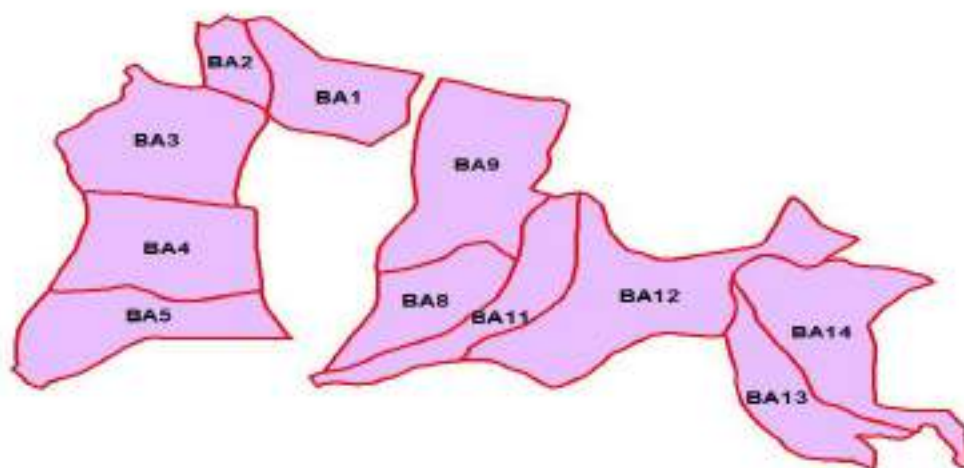
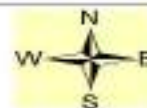
2016-17	III	P. Daburia	4	470.00	470.00	
2017-18	IV	P. Daburia	5	325.00	325.00	
2018-19	V	P. Daburia	6	380.00	380.00	
2019-20	VI	P. Daburia	7	240.00	240.00	
2020-21	VII	P. Daburia	8	78.00	78.00	
2021-22	VIII	Sodaka - B	1	180.00	180.00	
2022-23	IX	Sodaka - A	1	360.00	360.00	
2023-24	X	P. Daburia	1	280.00	280.00	
Total area of the Purunapani Treatment series					2933.00 ha.	
KHUMULA TREATMENT SERIES						
Year	Coupe Number	Block	Compartment Number	Compartment Area	Coupe Area	Remarks
2014-15	I	Pandripada	4	375.00	375.00	
2015-16	II	Pandripada	5	360.00	360.00	
2016-17	III	Pandripada	6 (Part)	390.84	390.84	
2017-18	IV	Pandripada	6 (Balance)	409.16	409.16	
2018-19	V	Pandripada	7	440.00	440.00	
2019-20	VI	Pandripada	8	260.00	260.00	
2020-21	VII	Pandripada	9	345.00	345.00	
2021-22	VIII	Pandripada	1	185.00	185.00	
2022-23	IX	Pandripada	2	415.00	415.00	
2023-24	X	Pandripada	3	360.00	360.00	
Total area of the Khumula Treatment series					3540.00 ha	
KASIPADA TREATMENT SERIES						
Year	Coupe Number	Block	Compartment Number	Compartment Area	Coupe Area	Remarks
2014-15	I	Pandripada	15	410.00	410.00	
2015-16	II	Pandripada	16	540.00	540.00	
2016-17	III	Pandripada	14	360.00	360.00	
2017-18	IV	Pandripada	13	170.00	170.00	
2018-19	V	Pandripada	12	395.00	395.00	
2019-20	VI	Pandripada	11	510.00	510.00	
2020-21	VII	Pandripada	10	305.00	305.00	
2021-22	VIII	Pandripada	24	270.00	270.00	
2022-23	IX	Pandripada	18	365.00	365.00	
2023-24	X	Pandripada	17	270.00	270.00	
Total area of the Kasipada Treatment series					3595.00 ha	
ICHHAPUR TREATMENT SERIES						
Year	Coupe Number	Block	Compartment Number	Compartment Area	Coupe Area	Remarks
2014-15	I	Pandripada	20	260.00	260.00	
2015-16	II	Pandripada	21	110.00	110.00	
2016-17	III	Pandripada	19	330.00	330.00	

2017-18	IV	Pandripada	27	325.00	325.00	
2018-19	V	Pandripada	26	270.00	270.00	
2019-20	VI	Pandripada	28	500.00	500.00	
2020-21	VII	Pandripada	29	375.00	375.00	
2021-22	VIII	Pandripada	25	280.00	280.00	
2022-23	IX	Pandripada	22	470.00	470.00	
2023-24	X	Pandripada	23	250.00	250.00	
Total area of the Ichhapur Treatment series					3170.00 ha	
BILEEJHURI TREATMENT SERIES						
Year	Coupe Number	Block	Compartment Number	Compartment Area	Coupe Area	Remarks
2014-15	I	Pandripada	36 (Balance)	245.63	245.63	
2015-16	II	Pandripada	35	375.00	375.00	
2016-17	III	Pandripada	34	335.00	335.00	
2017-18	IV	Pandripada	33	355.00	355.00	
2018-19	V	Pandripada	32	260.00	260.00	
2019-20	VI	Pandripada	31	200.00	200.00	
2020-21	VII	Pandripada	30	225.00	225.00	
2021-22	VIII	Pandripada	38	125.00	125.00	
2022-23	IX	Pandripada	37	385.00	385.00	
2023-24	X	Pandripada	36 (Part)	229.37	229.37	
Total area of the Bileejhuri Treatment series					2735.00 ha	
GRAND TOTAL OF AREA ALLOTTED TO THE CIRCLE :						
					81933.44 Ha	

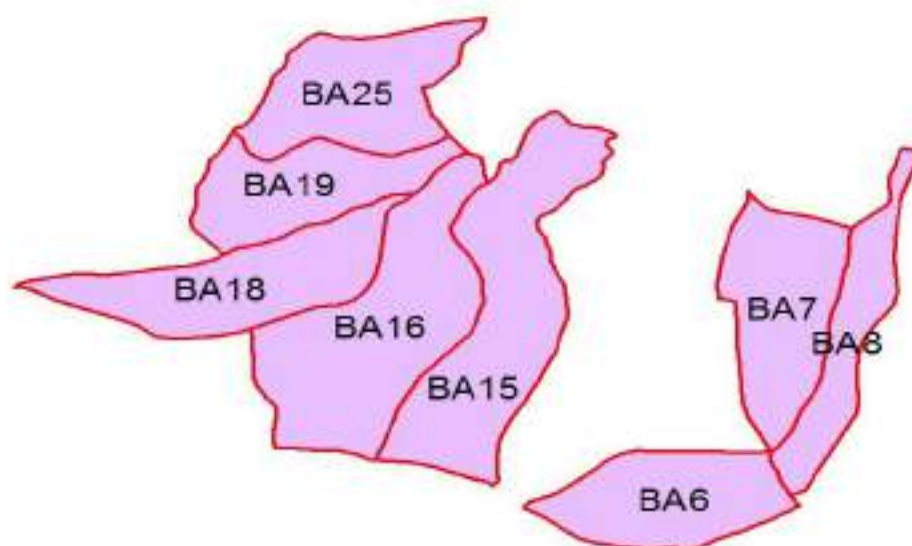
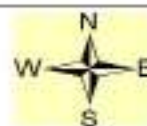




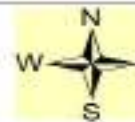
**GHUMSAR SOUTH DIVISION
REHABILITATION WORKING CIRCLE
BESARABATA TREATMENT SERIES**



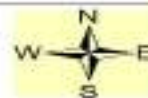
**GHUMSAR SOUTH DIVISION
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REHABILITATION WORKING CIRCLE
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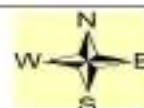
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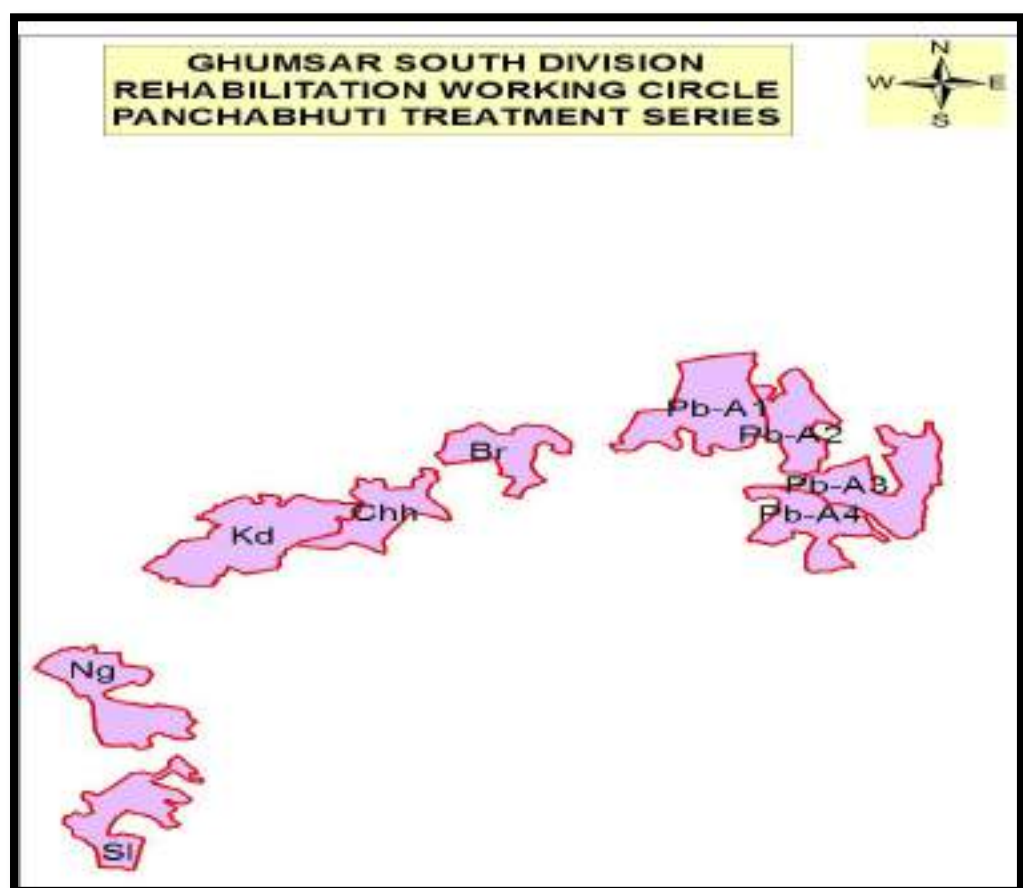
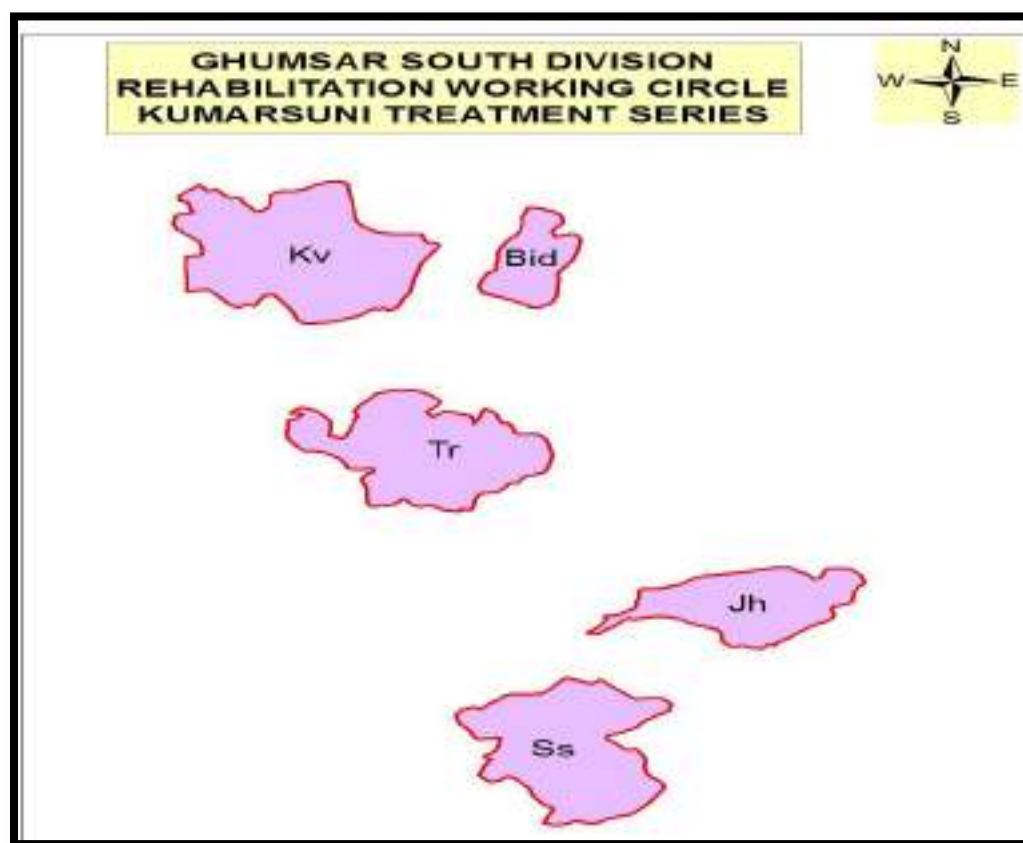


**GHUMSAR SOUTH DIVISION
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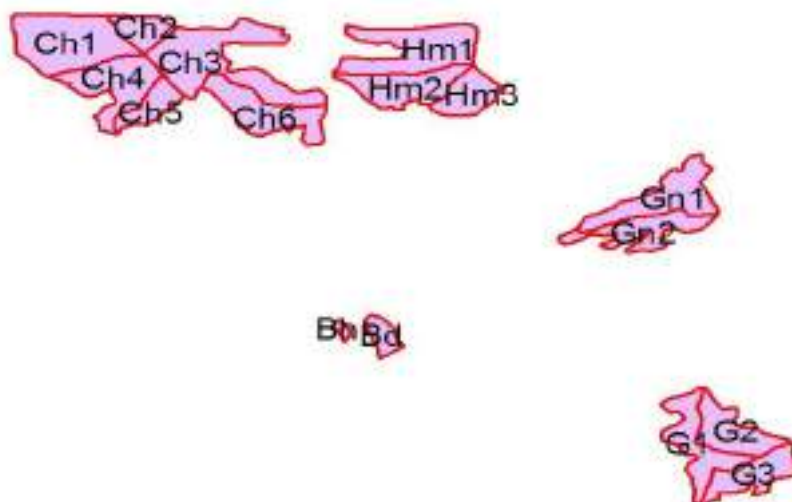
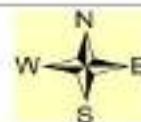


**GHUMSAR SOUTH DIVISION
REHABILITATION WORKING CIRCLE
KARCHULI TREATMENT SERIES**

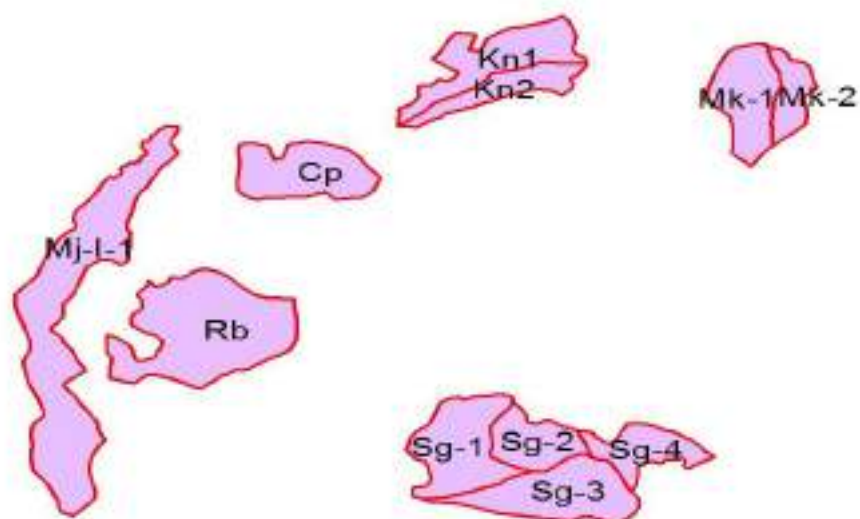
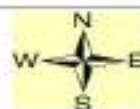




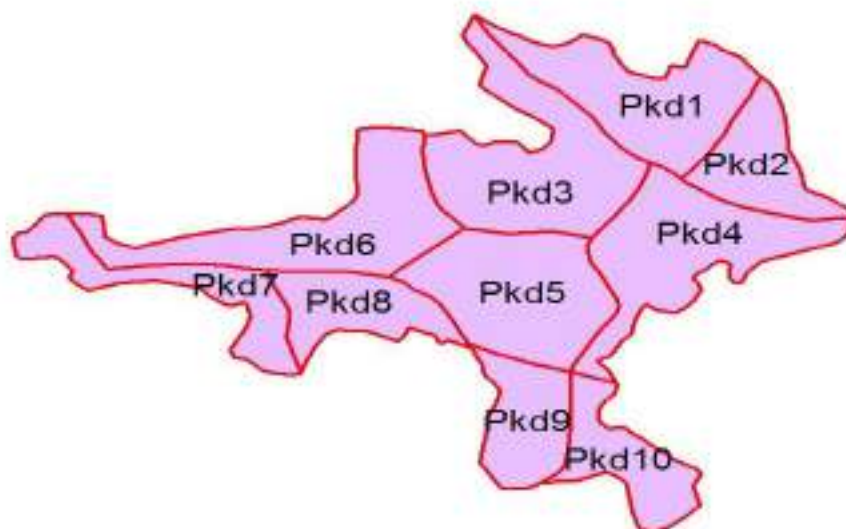
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REHABILITATION WORKING CIRCLE
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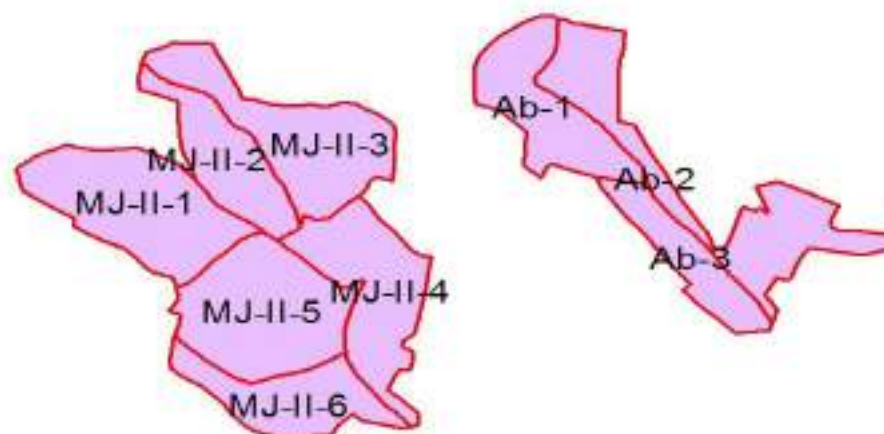
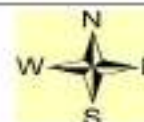
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REHABILITATION WORKING CIRCLE
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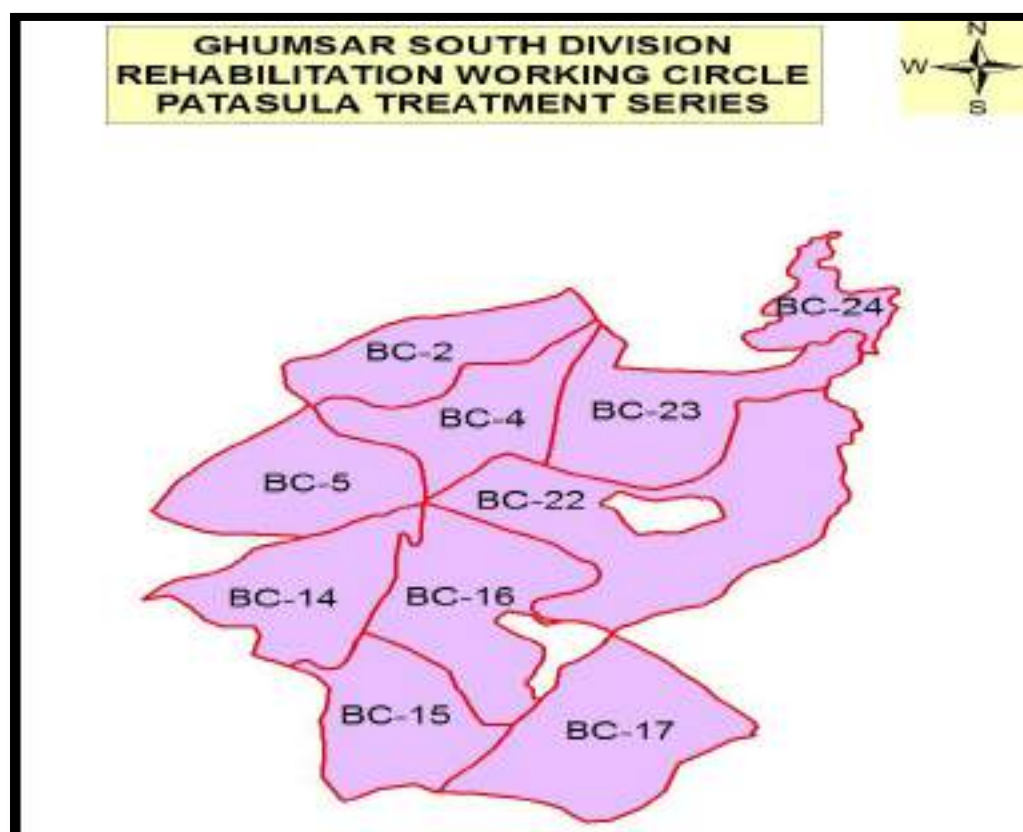
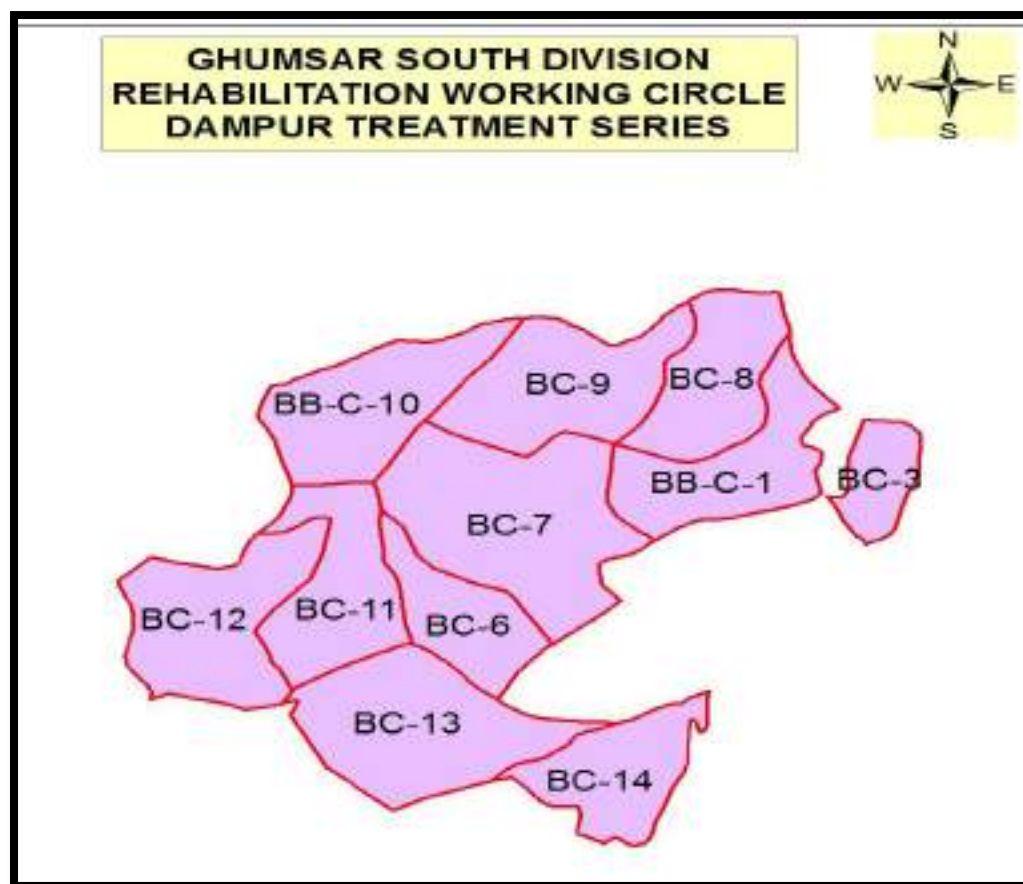


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REHABILITATION WORKING CIRCLE
PAKIDI TREATMENT SERIES**

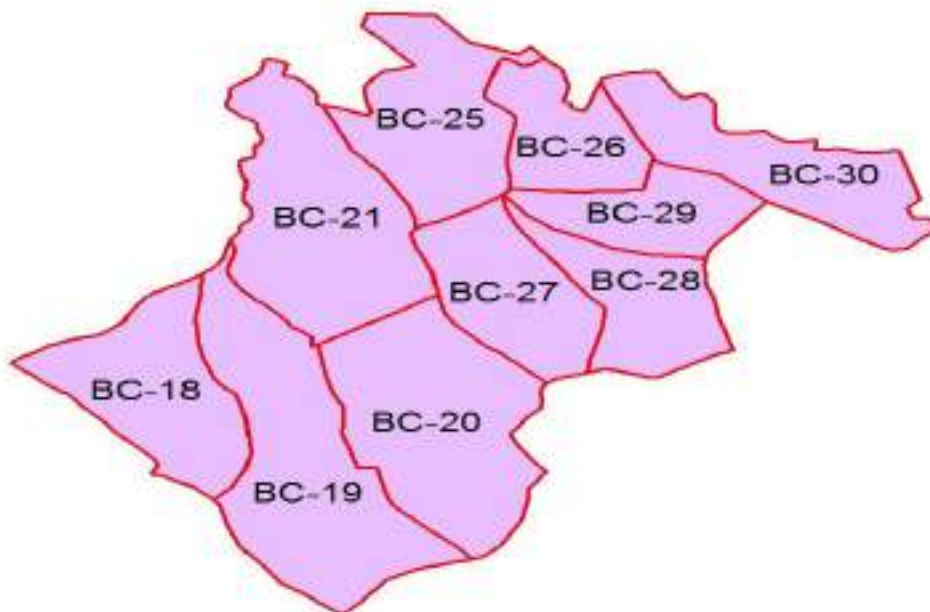


**GHUMSAR SOUTH DIVISION
REHABILITATION WORKING CIRCLE
MALLIJHAR TREATMENT SERIES**

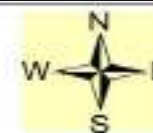


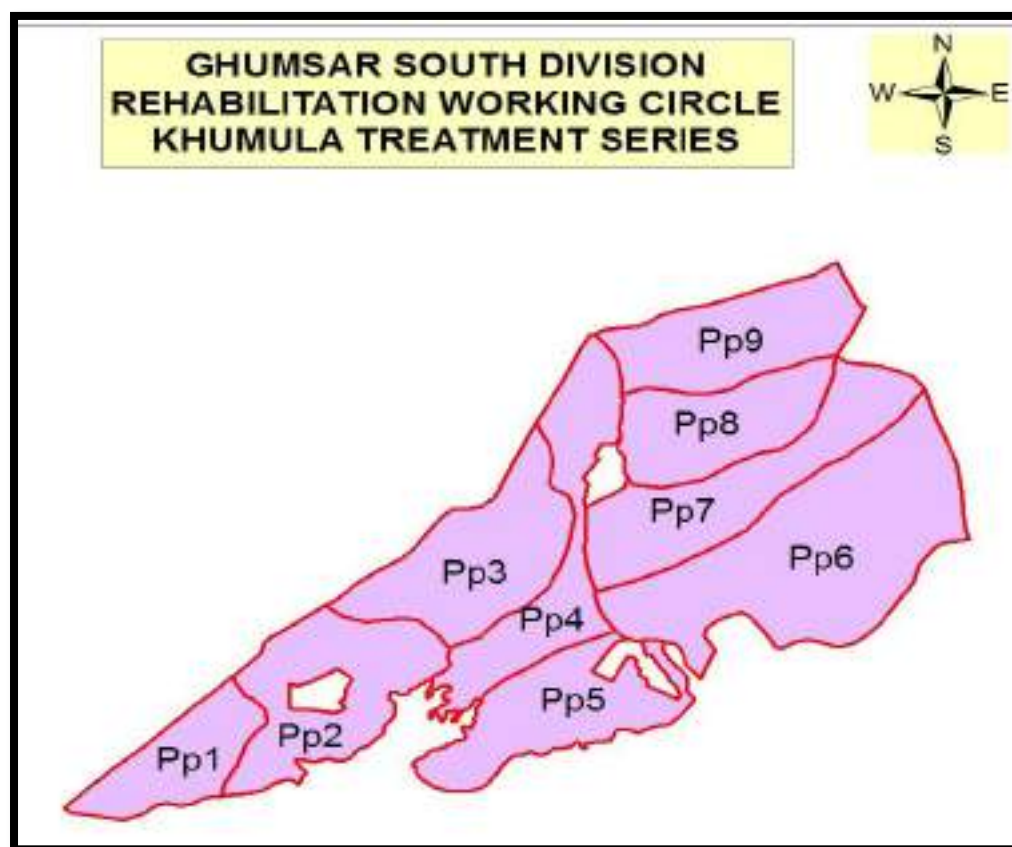
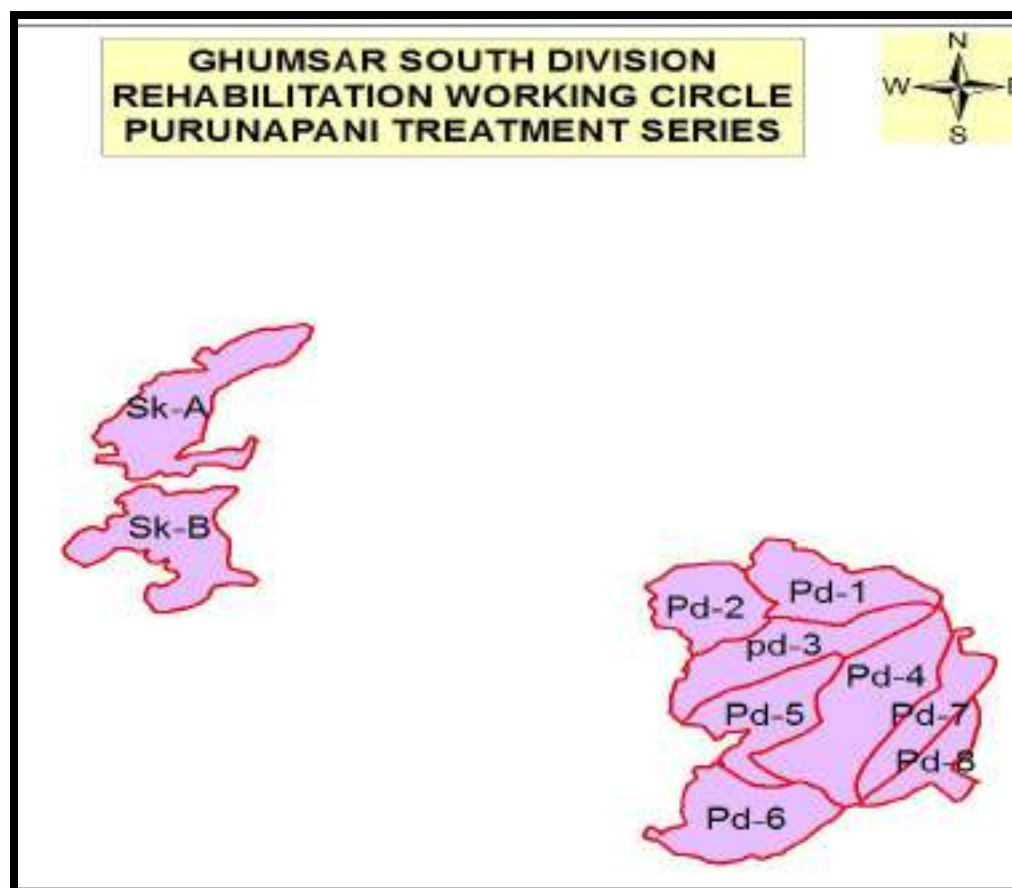


**GHUMSAR SOUTH DIVISION
REHABILITATION WORKING CIRCLE
KARADAKANA TREATMENT SERIES**

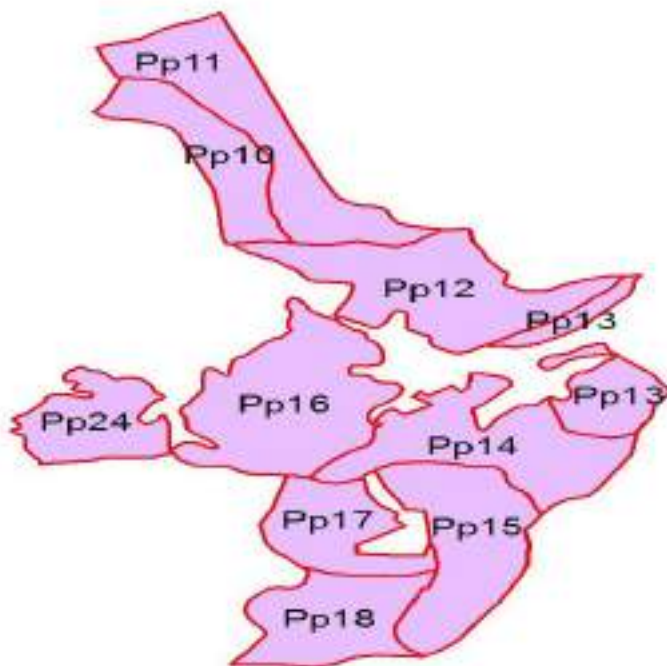


**GHUMSAR SOUTH DIVISION
REHABILITATION WORKING CIRCLE
KHALADIMAL TREATMENT SERIES**

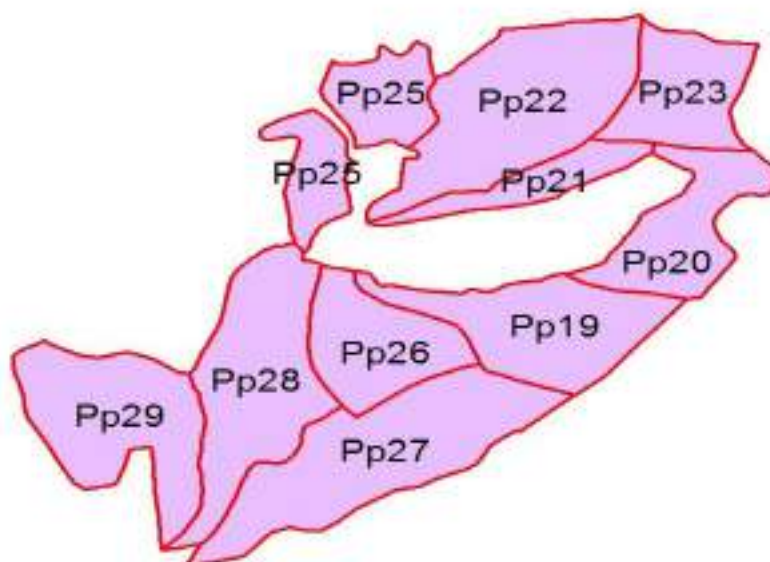
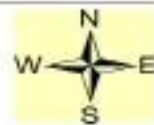


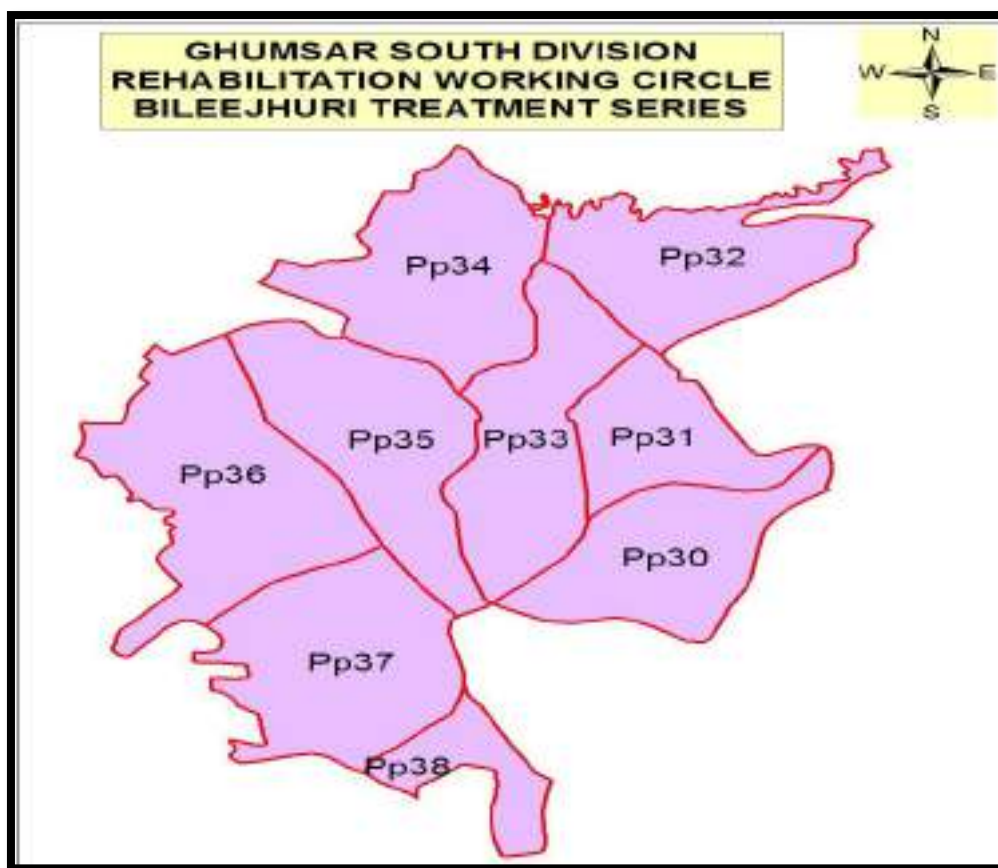


**GHUMSAR SOUTH DIVISION
REHABILITATION WORKING CIRCLE
KASIPADA TREATMENT SERIES**



**GHUMSAR SOUTH DIVISION
REHABILITATION WORKING CIRCLE
ICHHAPUR TREATMENT SERIES**





3.13 METHOD OF EXECUTION OF OPERATIONS

3.13.1 Demarcation of annual rehabilitation areas : The annual rehabilitation area will be demarcated shortly after the rainy season in the year preceding the year in which it is due for working. At the outset stone cairns of size 45cm x 45 cm x 45 cm will be erected at visible distance and at every corner of the rehabilitation area if it does not coincide with the block / compartment line. If it coincides with the block boundary, the boundary line will be cleared by 1.5m width and where it coincides with the compartment line double white paint rings at breast height will be painted on the trees on the compartment line. If the demarcation line passes through dense forest growth or bushes, the under growth may be cleared by 2 metre width and coaltar rings on the trees may be painted at breast height at visible intervals. When the rehabilitation area line meets any forest road, foot path or nallah, a prominent sign board may be displayed mentioning the name of the rehabilitation circle, coupe no., year of working etc. Good seeds of Babul, Khair, Prosopis etc. and seedlings of Agave may be arranged and its planting be taken up in the following monsoon season along the outer peripheral boundary lines of the forest blocks. Seeds of Babul, Khair and Prosopis be shown

along three rows and five rows Agave will be planted at a spacing of 0.75 metre from seedling to seedling in a row and spacing of 1 metre from row to row. This will give rise to live fence in 3 to 4 years and will act as cattle proof fence apart from being used as fuel wood and for minor forest produce purposes. Site specific budget will have to be prepared annually for this purpose by the DFO and required funds should be provided to him.

3.13.2 Preparation of treatment map and treatment plan : A copy of the map already prepared in the scale 1:50000 will be obtained by tracing which will be used as treatment map of the annual coupe area. All the minute details in micro scale down to 0.25 hectare area will be reflected in this map after thorough field verification. It will be prepared by the territorial Range Officer and sent to the Divisional Forest Officer by November every year who will verify either by himself or by deputing the A.C.F. for the purpose and the work may be completed by December. Treatment map will be prepared by reflecting the following categories on it.

Category – I : Area having young pole crops or sal rooted waste requiring protection against any biotic interference and silvicultural treatment.

Category – II : Blank plantable areas of at least 0.25 hectare size which can be planted with suitable trees. Blanks of smaller area will not be treated and should be left as such.

Category – III : Eroded areas having gully/ sheet erosion, ravines and hilly slopes devoid of vegetation requiring urgent attention for soil and water conservation measures.

Category – IV: Areas having old plantation which are yet to be established requiring proper protection.

Category – V : Areas under encroachments.

After preparation of the treatment map, a treatment plan is to be prepared based on the prevailing cost norm. Both the treatment map and treatment plan will be approved by the Divisional Forest Officer before December in the preceding year, the coupe is due for working so that all preliminary operations can start from January.

3.14 REHABILITATION OPERATIONS

3.14.1 Protecting measures:

Perimeter barriers: Before taking of any operation the first step to be taken is to take up fencing along the perimeter leaving the common boundary with other forest block/ compartment/ annual coupe. The old practice of digging cattle proof trench or erecting stone wall or barbed wire fencing have to be dispensed with as these are not only expensive but also ineffective. The stone walls and barbed wire fencing are easily removed by the people and the trenches are very often not closed due to presence of rocky out crop. Trenches also induce soil erosion and at times filled up by miscreants to make the cattle have a path. Instead it is desired to have live fencing by planting thorny species like Agave, Babul, Khair, Prosopis, Zyzypus and *jatropha curcas* along the outer boundary. Prosopis and Zyzypus will be planted where the soil is clayey where as Prosopis and Khair to be planted in gravelly and quartzitic soil. The above seedlings will be planted in five rows of 1.0 m interval each and plant to plant spacing will be 0.5metre along the rows. The inner two rows will be planted by Agave. The seedling should be ready and necessary soil working done so that the seedlings can be sown on the onset of moon-soon along with taking up other plantation activities inside the annual coupe area. There will be provision of watch and ward in the cost norm.

3.14.2 **Operations in the Rehabilitation area:** In the category-I area the following silvicultural operation will be carried out in the area as per requirements at the site.

- High stumps will be cut flush to the ground to encourage coppice shoots.
- Singling out of multiple coppice shoots to retain the most promising ones
- Removal of congestion by cleaning operations aimed at encouraging the growth of locally desirable species.
- Adoption of few seedlings per hectare of locally important, indigenous and desirable species from the available natural regeneration by giving these species preferential treatment.
- Removal of invasive weeds

3.14.3 In the category-II area plantation works will be taken up. The details of operations to be carried out from nursery, preplanting, planting and post planting, culturaleal operations upto 3rd year have been elaborately discussed at para 4.8 to 4.11 of the Plantation Working

Circle which will be meticulously followed. No RDF (Rehabilitation of Degraded Forests) will be taken up and the concept of taking up gap planting will be given a go bye. The RDF taken up since early eighties in the state of Odisha has not yielded any perceptible result, neither it is visible. Past experience shows that though ideally it is conceptualized to do gap planting uniformly over the entire treatment area and plant 200-300 seedlings per ha. but practically the gap planting work is taken up in a concentrated manner limited to few patches, thus diluting the very concept of RDF of early 1980s. In fact it has brought a lot of criticism to the Forest department. Only block plantation, howsoever smaller may be the extent of area, minimum being 0.25 Ha. will be taken up with recording of its locations by latitude and longitude data for future verification.

3.14.4 Suitable soil and moisture conservation measures will be taken up in the category III areas. In the category-IV areas, all the existing plantations will be given protection. The V.S.S. members will be frequently interacted and sensitized for the purpose.

3.14.5 All areas under encroachment have to be surveyed and cases booked and all attempt taken to evict the encroachers in consultation with the Revenue Authorities following the provision of Forest Right Act, 2006 and vesting any individual forest right upon them. All such lands will be treated as if it were being covered under category-II.

3.14.6 Special attention will be paid to the category-III area which is prone to soil erosion and the main objective would be to take up both vegetative and mechanical measures to conserve the soil and moisture of the area.

3.15 SOIL AND WATER CONSERVATION MEASURES

3.15.1 Different mechanical measures are required to be taken to arrest the flow of water and recharge the aquifers and retain the soil and moisture of the area. Along the foot hills usually contour trenching is done at areas having steep slope of more than 10° slope by digging of trench of suitable size and the length varying 5 to 6 metres in a staggered manner, the interval from line to line being approximately the same distance as from trench to trench in a line. The dug out earth will be heaped in the down hill side and then planting of soil binding species will be taken up on the berm of the trench. These include species like *Prosopis specegera*, *Zyziphus jujube*, *Azadirachta indica*, *Dalbergia Sissoo*.

3.15.2 **Contour bundling:** In areas having gentler slope of less than 10° slope, contour bunding is provided to arrest the runoff and help water conservation. A series of such bunds will be constructed along the contour by digging earth in a staggered manner. The dimension of the cross section will depend upon the budget allocation but care should be taken to see that the height of the bund is not made unnecessarily more than the requirement which must be site specific and proper austerity measures taken on this score.

3.15.3 **Gully plugging:** All gullies on the hill slopes will be plugged by construction of bunds on it and providing diversion channel at distances of at least 2 to 3 metres away from the gully head so that water can drain off without any further erosion. Over hanging gullies will be made into slopes of 1: 2 followed by plantation of Sabai grass or Agave at closed species. Different types of bunds will be constructed depending upon the size of the gully and usually it should be of the following types: (1) Brush wood dam, (2) Live hedge.

3.15.4 **Check dam:** If the size of the gully is large, then check dam will be constructed with brush wood or dry rubble and boulders across the streams in series so that the top of the structure on the down stream and bottom of the structure on up stream will be at the same level. It will be commenced from the head of the stream down ward.

3.15.5 The category-III area may overlap in the category-I, II and IV area and in that case the above operations will be carried out in addition but in the process no tree will be cut. If it overlaps the category-V area *i.e.* the area under encroachment, no operation will be taken up. However if the area under encroachment is restored to the Forest Department, such operations will be taken up in addition to taking of other plantation activities over the said area in the subsequent period by preparing micro plan for the area after getting necessary funds from any external agency like Central Government Funds, MGNREGA, FDA, Finance Commission Grant, IFM(Intensification of Forest Management) etc.

3.16 MISCELLANEOUS REGULATIONS

3.16.1 **Grazing :-** No grazing shall be allowed for 5 years. However, it may be allowed after five years on rotation. People may be allowed to cut fodder grasses out of the treated area for their cattle.

3.16.2 **Fire Protection :-** The treated area shall be given complete protection against fire for five years.

3.16.3 **Rights and Concessions :-** Rights and concessions shall be regulated as laid down in Chapter 1 and JFM policy of the Government of Orissa commensurating to the Working Plan prescriptions, Provision of Forest right Act'2006 in the matter of individual and community rights.

3.17 WORKING NORM

The DFO will prepare site specific rehabilitation treatment norm at the then prevailing wage rate and get it approved from the RCCF before implementing in the field. There will be no central norm or standardized norm from PCCF or Government applicable to each and every site. The DFO will be given full authority and freedom and he will be made accountable for delivering the desired output without any explanation.

3.18 NECESSITY FOR INTERMEDIATE REVISION

It is not anticipated.

CHAPTER - IV

PLANTATION WORKING CIRCLE

4.1 GENERAL CONSTITUTION

4.1.1 This working circle covers forest blocks having permanent blank patches and barren land suitable for taking of block plantations. These areas are devoid of any root stock. The forests have been degraded very badly in the past and resulted in creation of permanent gap by mass illicit felling / repeated shifting cultivation / clearing of natural growth for the purpose of human habitation and later on abandoning the same etc. Artificial regeneration is the only means of restocking the said area. Total area allotted to this Working Circle is 4943.5 ha in 34 nos. of forest blocks which constitutes 4.42% of the total working plan area of the Division. This includes 25 no of forest blocks (13 blocks within the PWC of outgoing plan and 12 no outside the prescription) where fresh plantation will be raised. In the balance 9 no of blocks (02 no with the PWC of outgoing plan and 7 no outside) only management of old plantations will be taken up. The number of forest blocks could have been much more but for the restriction imposed for clearing of naturally grown trees for the sake of afforestation vide Rule-2(iv) of the Forest Conservation (Amendment) Act, 1988. In view of the above restriction, it is proposed to include forest blocks such as Hukuma, Mundapita, Badagada-A, Badagada-B, Pipalpanka, Binodia, Tangarai, Jhulleri, Pakidi, Badagada-C, Gauduni, Ambadaban, Kansa, Chapudia, Sodoka-B, Gadajoda and Hatimunda in this working circle.

4.1.2 Since plantable blank areas are scare commodities these days because of the restriction on clear felling of naturally grown trees, unrestricted encroachment in the plain tract and exhaustion of suitable lands through raising of plantation in the past, prescription has been made in this working circle to include all possible available land without referring to the status of the land i.e. whether Reserve Forests or DPF or PRF.

4.2 GENERAL CHARACTER OF VEGETATION

4.2.1 Due to continuous degradation of the vegetation, valuable forest species have vanished and only economically unimportant species like Mai, Rai, Karada, Chara etc. are present. However by and large, the forests of this Division has favoured artificial economic plantation, fuel wood and fodder plantation and NTFP plantations to a

great extent. In the past planting has been done repeatedly over the same area leading to projection of a wrong picture of total plantation done than the actual coverage. In fact this is the scenario throughout the state. Baring some good patches of artificial plantation raised through the motivation done by social forestry project and now actively protected by the local V.S.S. plantations in other areas could not achieve the desired physical success albeit huge expenditure incurred every year on raising plantations and their subsequent maintenance.

4.2.2 The description of the forest has been explained in Chapter 2A. The regeneration of sal and other species are deficient, because of continuous hacking of trees and saplings, encroachment, shifting cultivation, grazing and repeated forest fires. The site quality varies from III to IV.

4.3 SPECIAL OBJECTIVES OF MANAGEMENT

4.3.1 The special objectives of the management of this Working Circle is within the scope of general objectives of the management for the entire division. These are as follows:-

- (i) To restock the degraded and blank areas through artificial regeneration, preferably with quick growing , indigenous, site specific and locally available species with special emphasis on economic species like teak, gambhar, bamboo, sissoo etc. and NTFP species.
- (ii) To enhance the land productivity through soil and moisture conservation measures.
- (iii) To increase the biodiversity of the forests.
- (iv) To raise plantation of fodder species so as to reduce the pressure of grazing on the forest.

4.4 SILVICULTURAL SYSTEM

4.4.1 No silvicultural system is prescribed. Pure block plantation through artificial regeneration will be done in the available blanks of minimum 10.0 hact. It is a fact that it is difficult to get virgin bigger size blank patch for raising plantation. Therefore necessary site preparation work has to be taken up by removing the weeds and unwanted species so that there is no competition with the seedling to be planted. The decision for the type and nature

of site preparation will be taken by the DFO which will be site specific and it is not possible to generalize the same here.

4.5 CHOICE OF SPECIES

4.5.1 Different economic species like bamboo, semul, gambhar and sissoo are to be planted in combination with teak. At least 50% of teak seedling will be planted. In addition species suitable for particular soil condition like arjuna for water logged areas, khair, rohini for eroded and revine areas and eucalyptus, sissoo etc. for clayey soil have to be planted as mixture. Monoculture should be avoided and maximum 5 to 6 species should be planted for convenience of management point of view. The site requirements of species with regard to soil depth, topography, pH, slope and erosion, soil texture, nutritional requirement, location of ground water table, regeneration potential and local or commercial demand should be taken into account while going for selection of species for plantation.

4.6 ROTATION

4.6.1 For Teak it will be 80 years , the exploitable girth being 120 Cm (SQ-III/IV). For bamboo it is not fixed but can be harvested after 10 years as per the prescription of the bamboo cutting rule.

4.6.2 Fixation of rotation is of academic interest and in accordance with the guidelines issued by the Chief Conservator of Forests (Central) vide Letter No.13 dated 13.01.1997 addressed to Principal Secretary to Government, Forest & Environment Department, Govt. of Odisha regarding prescription of silvicultural rotation for green felling. This is because it has not been possible to protect economical species like teak, sissoo, gambhar etc. after it has attained to 3' to 4' girth, especially those raised by artificial plantations despite all sincere efforts. In fact such trees have vanished long since from the forests through selective illicit felling.

4.7 AREA ALLOTMENT AND PLANTATION SERIES

4.7.1 It is proposed to allot three categories of areas under this Plan:

Category A : The area prescribed for plantation in the outgoing Plan but not covered by plantation due to various reasons, which comes to 1422 ha.

Category B : Plantations raised during the previous plan period inside and outside the plan area over an area of 2946.5 ha which will be included in the PWC for management of plantation point of view.

Category C : New area of 575 Ha to be covered under block plantation as suggested by the DFO, Ghumsur South Division.

The category- A and C areas have been recommended for pure plantation for which five Plantation series have been constituted. All these plantation series with annual plantation coupes have been shown in the management map. The category B is recommended for different tending operations and put to one tending series.

Thus a total of 4943.50 ha area will be included in this Working Circle. Allotment of area for the plantation working circle is furnished at **Table No. 4.1**.

4.8 METHOD OF EXECUTION OF PLANTATION

4.8.1 Demarcation of annual plantation coupe:

4.8.2 Prescriptions given in the odisha Forest Plantation Manual, 1977 should be followed meticulously in addition to the following guidelines.

4.8.3 The annual plantation coupe shall be demarcated as per the procedure adopted at Para- 3.1.13.1 for annual rehabilitation coupe area. As far as practicable the plantation target in any given year should not vary widely from the prescription here in made. In case the target for plantation is less than the prescription of this plan then areas having maximum blank patch should be selected subject to the condition that in case of isolated patches, no plantation will be taken up unless the area is minimum 10 hectares and preference will be given to the areas in contiguity with the previous year plantation. In the event of having higher target the additional area will be taken up in non forest land to be selected by the DFO after personal site selection by him, but such practices are generally to be avoided.

Table No. 4.1: Allotment of area for plantation working circle

Plantation taken up inside the PWC area in the outgoing plan of P K Jha (Area in Ha.)								
Sl. No.	Name of the Range	Name of the Block	Area of the Forest Block in Ha.	Area prescribed in Ha. in P K Jha's plan	Plantations taken up during the outgoing plan (category B)	Area proposed but not planted during P K Jha's plan period in Ha. (category A)	Additional new areas proposed for plantation (category C)	Total area to be planted in Ha. (category A + C)
1	2	3	4	5	6	7	8	9
1.	Sorada Range	Hukuma(p)	1746.40	80	0	80	0	80
		Mundapita(p)	2268.15	115	0	115	0	115
		Pipalpanka	3396.40	80	55	25	0	25
2.	Badagada Range	Badagada-A UDPF (p)	9135.0	100	220	0	25	25
		Badagada-B(p)	3705.0	120	155	0	0	0
3.	Buguda Range	K. Vishnu Chakram (p)	1081.95	100	60	40	50	90
		Binodia(p)	209.96	50	0	50	0	50
		Tangarai	817.49	150	115	35	0	35
		Jhollery	914.98	65	40	25	0	25
4.	Aska Range	Pakidi(p)	1970.0	466	175	291	0	291
		Gadagada (p)	475.0	206	0	206	20	226
		Pakidi(p)	1970.0	185	0	185	60	245
		Gouduni	299.33	105	50	55	20	75
		Ambadaban(p)	785.0	450	135	315	20	335
		Kansa	181.53	50	70	0	0	0
		Mallijhar II DPF	1735.0	0	0	0	50	50
TOTAL:				2322	1075.0	1422.0		

1.	Badagada Range	Raipada RF	2797.27	0	180	0	10	10
		Goudagotha UDPF	4600.0	0	0	0	20	20
		Merikote UDPF	4458.24	0	0	0	30	30
2.	Buguda Range	Budurungu RF	316.11	0	30	0	0	0
		Karchuli B RF	354.66	0	25	0	0	0
		Kriamba RF	8717.81	0	357.5	0	0	0
		Panchabhuti RF	1790.28	0	255	0	20	20
		Kadapada RF	677.36	0	180	0	0	0
		Sandhachulia RF	848.34	0	0	0	150	150
3.	Aska Range	Rasibadi	370.0	0	50	0	0	0
		Chapudia	260.0	0	50	0	0	0
		Bodua PRF	80.0	0	60	0	20	20
		Hatimunda	445.0	0	30	0	0	0
4.	Polosara Range.	Pandirpada DPF	13180.0	0	140	0	0	0
		Sodaka (A)	400.0	0	40	0	0	0
		Sodaka (B)	430.0	0	250	0	0	0
		Paikajamuna	335.48	0	132	0	0	0
		Purunapani-daburia	2525.0	0	92	0	40	40
		KhaladimalDPF	1515.0	0	0	0	40	40
TOTAL:			0	1871.5	0			
GRAND TOTAL:				2946.5	1422.0	575.0	1997.0	
TOTAL AREA OF THE PLANTATION WORKING CIRCLE = 4943.50 Ha.								

4.8.4 The annual plantation coupes shall be demarcated in the winter season (October to December) of the year preceding the year of plantation. Coupe lines usually coincide with natural features. In other cases, small stone cairns of half meter height will be erected at visible distance and double coal tar ring should be painted at breast height of trees standing on the coupe lines.

4.8.5 The plantation coupe shall be indicated by signboards at corners or at point of intersection with roads, inspection paths and boundary lines of Reserved forests. The signboards should contain the name of the plantation series, coupe number, its area, year of working and compartment number. (Example : P. W. C. , Sorada P.S., C / I, 40 ha, 2014 - 15, Compartment No. 1, Hukuma.)

4.8.6 The latitude and longitude of important points like corner stone cairns, cross sectional points of 4 ha plots etc. taken by hand held GPS will be taken and recorded in the plantation journal.

4.9 PREPARATION OF TREATMENT PLAN AND MAP

4.9.1 After demarcation of the site a treatment map shall be prepared in 1:50,000 scale by the Forest Range Officer reflecting all the minute details showing the location of blank areas, natural growth, areas under active erosion, water bodies, water logged area, rocky out crop, nallah, stream and other natural features. Based on this, a treatment plan is to be prepared mentioning the physical work to be done and the financial forecast. On submission of the treatment plan and map by the Range Officer the site will be personally verified by the Divisional Forest Officer or by deputing the Asst. Conservator of Forests after which it should be approved and communicated to the Range Officer before December.

4.10 SITE PREPARATION, STACKING AND PITTING

4.10.1 Though there is restriction for felling of naturally grown trees for the purpose of plantation/reafforestation as per guidelines of Govt. of India in Forest Conservation Act, this in no way prohibits taking up site preparation work before taking up preplanting operation. This could include cutting the weeds, removal of uprooted trees and dead high stumps, leveling of ground in case of ravine areas, removal of boulders, cobbles and pebbles

etc. and putting foreign soil on the site so that the pitting work is done smoothly and there is no scope for the naturally grown unwanted species to compete with the seedling planted.

4.10.2 Survey and demarcation work will be carried out with the help of prismatic compass, chain and ranging rod. Then 4 hectares plotting will be done in the map by taking a base line with the help of super imposition of an inch graph with that of the map prepared in 16" = 1 mile scale so that maximum number of complete 4 hectare plots are obtained. Then the base line, grid lines and the corner points of the 4 hectare plots are to be shown on the map. There would be a number of incomplete and irregular plots at the periphery. Then with the help of chain and compass these corner points are to be located in the field which should be demarcated with the help of stone cairns of smaller dimension to make it distinguishable from the boundary pillars or the survey demarcation pillars and should be painted white with lime.

4.10.3 The grid lines will have to be made parallel to each other and their truncation to each other ignored in case of concavity or convexity of the topography.

4.10.4 Then stacking will be done at a spacing 2.5m x 2.5 m and pits of size 45cm x 45 cm x 45cm should be dug excepting water logged areas where earth mound of appropriate size will be raised.

4.11 NURSERY, PLANTING AND POST PLANTING OPERATIONS

4.11.1 These operations will be carried out in accordance with the provision in the Odisha Forest Plantation Manual 1977 as per calendar of operations.

- i. Indigenous economic species like teak, bamboo, semul, gambhar, sissoo etc. should be given preference to others. Selection of species will depend upon the type of the soil. The "Hand book and afforestation techniques" by R.C. Ghosh and Foresters Companion by A.R.Maslekar (Page-29 to 35) provides valuable guidelines in this regard which may be referred to.
- ii. 15% extra seedlings should be raised for casualty replacement so that under size seedlings are not planted.
- iii. Two year old presprouted polypot teak seedlings and two year old polypot seedling from rhizome of bamboo should be raised in the nursery.

- iv. In case of neem, two year old seedlings are to be planted as one year old seedlings are too small because of late ripening of fruits.
- v. Palisade should be provided to nursery bed to protect the seedlings from the hot afternoon summer. Regular grading and sorting of seedlings will be done in the nursery bed so that exact no. of causalities are identified and seedlings of equal sizes are graded for encouraging competition in growth and hardening. Dry leaves of palas (*Butea monosperma*) and sand will be used for sorting to avoid root penetration.
- vi. “Poch” consisting of fermented cow dung, urea, potassium permanganate and waste oil cake should be spread over the nursery bed at regular interval of 4 to 5 days after the seedlings attain 6” size in order to boost height growth.
- vii. Planting of bamboo/semul should be done at a spacing of 10M x 10M. Thus every 4th seedling in a row will be bamboo/semul.
- viii. Monoculture should be avoided and number of species is restricted to 5 to 6 for future silvicultural management.
- ix. Basal dose of fertilizer and insecticide should be provided. DAP will be applied invariably as basal dose as it delays release of nutrients to the soil. Similarly urea will be applied as booster dose and sprayed on the established seedlings after one and half months of planting to help better growth of foliage.
- x. Planting should start immediately on the first onset of monsoon as early planting has been found to be successful due to availability of more number of rainy days.
- xi. During planting the natural growth shall be singled out and the number of shoots should be reduced to one for stump.
- xii. Half moon trench is to be dug in the hilly side of the plant of size 4M length, 1.5M width and 1.5M depth and the dugout earth will be piled in the down hilly side of the plant. The convex side of the trench will be towards the plant so that it helps in water conservation.
- xiii. Dry mulching material will be spread during the winter after the 2nd weeding for retention of ground moisture in the early hours for the day.
- xiv. GPS reading of latitude and longitude will be taken up preferably of the centre of the plantation site and recorded in the plantation journal.

4.12 CALENDAR OF OPERATION

4.12.1 Since plantation activity is a time bound work and largely dependent on monsoon and weather, the following time scheduled is prescribed which shall be strictly adhered to in **Table No. 4.2.**

Table No. 4.2: **Calendar of Operation**

Sl.	Name of operation	Time period
1	Communication of target to the Range Officer	Before September of pre-formation year.
2	Demarcation of annual plantation coupe	September pre-formation year
3	Preparation of treatment map and treatment plan by R.O	October of pre-formation year
4	Approval of treatment map and treatment plan by D.F.O and its communication to R.O	December of pre-formation year
5	Preparation of site, stacking and pitting	January of pre-formation year
6	Raising of nursery including seed collection	December-March of pre-formation year
7	Planting	July of formation year
8	Casualty replacement	Mid August of formation year
9	First weeding and manuring	August of formation year
10	Soil working and application of fertilizer and insecticide	September
11	Second weeding	October
12	Mulching and construction of soil and water conservation measures	November-December
13	Fire tracing and inspection path	January-February
2nd year operation		
1	Casualty replacement	July
2	Weeding soil working and fertilizer application	August-September
3	Proning	November
3rd year operation		
1	Proning and shrub cutting	October-November
2	Fire tracing and inspection path	December

4.13 TABLE OF PLANTATION SERIES

4.13.1 The sequence of plantation series is shown in 1: 50,000 management maps and is as per **Table No. 4.3.** If the plantation operations could not be taken up in a particular year because of lack of funds, staff or other factors, this target can not be taken up in

subsequent years in addition to that year's target as there is possibility of compromising in the quality. The schedules of plantation are furnished at **Table No. 4.4.**

Table No. 4.3: **Sequence of Planting Series**

SORADA PLANTATION SERIES						
Year	Coupe Number	Block	Area of the Forest Block in Ha.	Compartment Number	Coupe Area IN Ha.	Remarks
2014-15	I	Hukuma (P)	1746.4		40	
2015-16	II	Hukuma (P)			40	
2016-17	III	Mundapita (P)	2268.15		40	
2017-18	IV	Mundapita (P)			40	
2018-19	V	Mundapita (P)			35	
2019-20	VI	Pipalapanka (P)	3396.4		25	
2020-21	VII	Badagada - A	9135		25	
2021-22	VIII	Goudagotha (P)	4600		20	
2022-23	IX	Merikote (P)	4458.24		30	
2023-24	X	Raipada (P)	2797.27		10	
TOTAL :					305 ha	

BUGUDA PLANTATION SERIES						
Year	Coupe No	Block	Area of the Forest Block in Ha.	Compartment No	Coupe Area	Remarks
2014-15	I	K.Vishnuchakram (p)	1081.95		45	
2015-16	II	K. Viskhnuchakram (p)			45	
2016-17	III	Binodia (p)	209.96		50	
2017-18	IV	Tangarai (p)	817.49		35	
2018-19	V	Jhollejry (p)	914.98		25	
		Panchabhuti (P)	1790.28		20	
2019-20	VI	Saandhachulia (P)	848.34		50	
2020-21	VII	Saandhachulia (P)			50	
2021-22	VIII	Saandhachulia (P)			50	
2022-23	IX	Purunapani Daburia	2525.0		40	
2023-24	X	Khaladimal	1515.0		40	
TOTAL :					450 ha	

ASKA PLANTATION SERIES						
Year	Coupe Number	Block	Area of the Forest Block in Ha.	Compartment Number	Coupe Area	Remarks
2014-15	I	Pakidi (P)	1970		50	
2015-16	II	Pakidi (P)			50	
2016-17	III	Pakidi (P)			50	

2017-18	IV	Pakidi (P)			50		
2018-19	V	Pakidi (P)			50		
2019-20	VI	Pakidi (P)			60		
2020-21	VII	Pakidi (P)			60		
2021-22	VIII	Pakidi (P)			60		
2022-23	IX	Pakidi (P)			60		
2023-24	X	Pakidi (P)			46		
TOTAL :					536 ha		
GADAGADA PLANTATION SERIES							
Year	Coupe Number	Block	Area of the Forest Block in Ha.	Compartment Number	Coupe Area	Remarks	
2014-15	I	Gouduni	299.33		40		
2015-16	II	Gougduni			35		
		Bodua		80.0		20	
2016-17	III	Gadagada	475.0		30		
2017-18	IV	Gadagada			30		
2018-19	V	Gadagada			30		
2019-20	VI	Gadagada			30		
2020-21	VII	Gadagada			35		
2021-22	VIII	Gadagada			35		
2022-23	IX	Gadagada		475.0		36	
2023-24	X	Mallijhar II	1735.0		50		
TOTAL :					371 ha		
AMBADABAN PLANTATION SERIES							
Year	Coupe Number	Block	Area of the Forest Block in Ha.	Compartment Number	Coupe Area	Remarks	
2014-15	I	Ambadaban	785.0		30		
2015-16	II	Ambadaban			30		
	III	Ambadaban			30		
2016-17	IV	Ambadaban			30		
2017-18	V	Ambadaban			30		
2018-19	VI	Ambadaban			35		
2019-20	VII	Ambadaban			35		
2020-21	VIII	Ambadaban			35		
2021-22	IX	Ambadaban			35		
2022-23	X	Kansa		785.0		45	
TOTAL :					335 ha		
GRAND TOTAL :					1997 ha		

Table No. 4.4: **Schedule of Planting Operations**

Operations	Period Of Completion
1	2
Advance preparation of site	End of October
Stacking	End of February
Digging of pits	End of February
Plantation And Post Plantation Operation in 1st Year	
Pre-sprouted poly potted stump planting	1 st week of July
Casualty replacement	End of July
1 st soil working, weeding & manuring	End of August
2 nd soil working and weeding	During October
3 rd soil working	During December
Post Plantation Operation in 2nd Year	
Casualty replacement, 1 st weeding, soil working & manuring	End of July
2 nd weeding and soil working	During October
Post Plantation Operation in 3rd and subsequent Years	
Soil working and casualty replacement	End of July
Pruning and singling	September

4.14 TRANSPARENCY MEASURES

4.14.1 Over the years the Forest Department has been viewed with an eye of suspicion by the Public, public representatives and the press etc. for raising different plantations as huge amount of money is being spent on afforestation work. The very question raised is about the genuineness of the plantation area covered and whether public money has been actually spent for the activities or not. Even though there is provision of maintaining plantation journal to keep account of both physical and financial achievements, this has been seldom made effective and has not been able to convincingly satisfy all the stakeholders. It is the need of the hour to remove all such clouds and prove the common perception wrong so that the image of the Forest Department improves. This can be achieved by not only ensuring correctness of area of every plantation but also to make sure that it should appear to others to have been done. To achieve this goal, apart from maintaining the plantation journal, the following procedure should meticulously be followed in order to bring transparency in the system and reduce corruption.

- (a) 4 hectare plotting has to be done both in the map and in the field and the cross sectional points of the gridlines both in the X-coordinate and in the Y-coordinate have to be located in the field. For all practical purposes, a base line may be taken up both in the map and field on the consideration of having maximum linear length or parallel to the adjoining road or footpath or approach road depending on the topography, orientation of plantation and convenience to cover the area etc.
- (b) Thus in an ideal 4 hectare plot after pitting there should be 80 pits each in both X and Y-coordinates and thus the 4 hectare plot will be having 6400 no of pits in it provided the topography is completely horizontal.
- (c) The map having fixed orientation with respect to the geographical north, each 4 hectare plot or smaller plot in the periphery, as the case may be, will also have fixed orientation both in the field and in the map with respect to the geographic north.
- (d) In the field usually such ideal land is seldom available and in undulating ground, though stacking lines may be parallel to each other but the distance from pit to pit will vary but this will not interfere in recording and tabulation. Such variations could be ignored for all practical purposes.
- (e) A sheet of paper is to be used for recording the details of number of pits in every line and the type of seedling planted. All relevant information like name of scheme, year of plantation, location, area in hectare and the name of planting series has to be recorded. Also a small map (not to the scale) for each 4 hectare plot or smaller plot is to be drawn on the right hand top corner of the paper keeping its orientation fixed with respect to the geographical north. For every 4 Ha. Plot or incomplete plot thereof, one sheet of such paper will be used.
- (f) The proforma will be filled up as the planting progresses and it would suffice if total number of seedlings in each line is recorded correctly species wise.
- (g) A small arrow mark will be there in the map showing the direction of counting of line after pitting so that each line of pitting is fixed with respect to the geographical north.
- (h) After pitting is over the Col. No. 1 & 2 of the proforma will be filled up and the total number of pits will be reduced from the ideal 6400 nos depending upon the rocky out crop, natural growth, nallah bed etc. where no pitting is possible.
- (i) The other columns will be filled up after pitting, mentioning the name of the species in decreasing order from column 3 onwards.

- (j) Once this is done meticulously it will give full proof information for the physical area covered. Further the survival percentage through random sampling can be ascertained at any point of time in future. Thus proper monitoring can be ensured.
- (k) Each 4 hectare plot or portion thereof will require one sheet of proforma and the entire bunch has to be kept as a permanent record in the plantation journal. A copy of the record sheet showing the proforma is produced as follows in **Table No. 4.5**.

Table No. 4.5: Record Sheet for having transparency in plantation

Name of the Scheme:	Plot No.:	N	
Year of Plantation:	Latitude:	↑	
Location:	Longitude:	↓	
Area in Ha.:		S	

Line No.	No of Pits	Name of Species								Remarks (details about SMC Work)
		Teak	Sishoo/ Gambhar	Bamboo	Sirisa/ Arjun	Neem	Anla/ Bahada	Karanja	Others	
1	2	3	4	5	6	7	8	9	10	11
1										
2										
3										
4										
5										
6										
7										
8										
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35										
36										
37										
38										
39										
40										
TOTAL										

4.15 TREATMENT OF AREA COVERED UNDER TENDING SERIES

4.15.1 Plantations raised over 2946.5 ha. has been taken up during the outgoing plan of P K Jha have been included in one Tending Series for ease of management. The plantations raised prior to 10 years of outgoing plan period of Sri P. K. Jha's plan *i.e.* from 1991-92 to 2000-01 have not been verified due to the non-availability of the list of plantation. These plantation areas have been merged in the RWC area and will be treated as per the prescription of Rehabilitation Working Circle. The list of year wise plantation (last 20 years) are given at **Appendix XX.**

4.16 TREATMENTS OF EXISTING PLANTATIONS

4.16.1 The growth in these plantations is not uniform. In some cases, plantations have been adversely affected by biotic interference where as in a few cases, the plantations have been protected by the VSS members. During the previous plan period the working plan prescriptions have been observed more in breaches than observance. These plantations have yet not reached the harvesting stage as these are illicitly felled prematurely and growth varies from patch to patch even within a particular plantation. Uniform treatment for all the plantations is therefore not possible. However these plantations have not been divided into

annual treatment coupes. The Divisional Forest Officer shall be at liberty to demarcate annual coupes in the tending series according to administrative convenience and maintenance requirements of the plantations. The Range Officer shall prepare the site-specific treatment plan of the said plantation sites, supervised by ACF and shall be duly approved by the DFO. This shall be done in the year preceding the year of tending operations.

4.17 OPERATIONS IN TENDING SERIES

4.17.1 These areas are strictly to be excluded from the annual plantation areas and depending upon the condition of the plantation only the following reinforcement work need be taken up. It is emphatically made clear that gap planting or RDF or planting of isolated seedlings of less than 800 nos. in contiguity in single patch by whatever name called will not be taken up in these areas. The following operations are to be taken up invariably.

1. All dead tress to be removed.
2. All climbers to be cut.
3. Pruning should be done in the plantations to remove branching and promote height growth of the leading shoots.
4. Thinning may be taken up wherever necessary.
5. Weeds to be removed.

4.18 MISCELLANEOUS REGULATION

- 1) Perimeter fencing of the annual plantation coupes will be done with five rows of Sisal plantation at a spacing of one meter from plant to plant in a row and one metre distance from row to row.
- 2) Soil conservation measures will be taken up depending upon funds availability as per the details given at para 3.1.15 of Rehabilitation working circle and a mention will be made in the proforma for each 4 hectare plot about the number of SMC structures constructed in the field.
- 3) The plantation area will be closed to grazing for a period of 5 years and for fire protection for 10 years.
- 4) V.S.S. has to be formed, if not already done before taking up plantation in neighboring village(s) and all the works should be executed through the V.S.S.

4.19 WORKING NORMS

4.19.1 It is left open to the DFO to prepare site specific scheme for the aforementioned prescriptions and fund made available at the prevailing wage rate.

4.20. CONTROL

4.20.1 The nursery Journal, plantation Journal and other records will be maintained for each plantation coupe / series separately in accordance with the provisions of ‘The Orissa Forest Plantation Manual, 1977’ indicating the physical and financial achievements.

4.20.2 Necessary entries with regards to plantation activities undertaken must be entered in the compartment histories.

4.21 RIGHTS AND CONCESSION

4.21.1 It shall be regulated as per prescription in Chapter 1, Joint Forest Management policy of Government of Orissa and the provision of Forests Right Act’2006.

4.22 NECESSITY FOR INTERMEDIATE REVISION

4.22.1 Intermediate revision is not anticipated. However, if necessary, prescriptions may be reviewed after 5 years jointly by Addl. PCCF (PSM) and the RCCF (Territorial). Any deviations suggested shall be subjected to the sanction of the competent authority.

CHAPTER – V

PROTECTION WORKING CIRCLE

5.1 GENERAL CONSTITUTION

5.1.1 Due to intense biotic pressure from human and cattle, large number of forest blocks of the division is under various stages of degradation. Unless steps are taken to prevent fires, illicit felling, encroachment, poaching or podu the process of degradation cannot be reversed. Further there is need to see that forest on steep slopes and ecologically fragile areas are not disturbed and are completely protected. Unlike the previous Working Plan in which this working circle remained as an Overlapping Working Circle it has been given independent status of a Working Circle in the Second PWPR meeting with the observation that ecologically fragile, catchment areas of reservoirs and steep precipitant slopes with high altitude will be included in this working circle. Thus serious views have been taken to halt and reverse the process of forest degradation. Basically this working circle includes areas having slope of 25-30 degree. All the three forest blocks which were transferred from Paralakhemundi Forest Division have been included in this Working Circle. Though it was decided in the 2nd PWPR meeting to include forest areas having steep slope interalia in this working circle it is felt appropriate not to include smaller patches spreading over one or two compartments of any forest block to be treated under this working circle and instead all the three forest blocks namely Goudagoth, Merikote and Mahisakhata being transferred from Paralakhemundi Division enmass have been treated under this working circle for ease of management. Total area allotted to this Working Circle is 9606.49Ha.

5.2 GENERAL OBSERVATION AND VEGETATION

5.2.1 The brief description of the vegetation has been delineated in Chapter-IIA of Part-1. The three forests blocks which were transferred from Paralakhemundi Division are theft prone and menace of encroachment is high. The interior forests in the higher ridges are vulnerable to shifting cultivation. The division is under equipped to tackle protection oriented problems. Large portions of these forest blocks have been badly affected by incidence of Left Wing Extremism. Problems due to Left Wing Extremism are estimated to be around 25 to

30% of the forest area of Ghumsur South Division. The infestation of Left Wing Extremists during the outgoing Plan period has restricted the movement of the cutting edge forest staff. The prescription of the outgoing Working Plan has hampered in these areas due to fear of 'the unknown' amongst the field staff. The APR force is very handy and rarely available and more so at the time of emergency. The available infrastructure like mobility, arms, manpower, connectivity and gathering of intelligence are available in a limited extent. Thus, an integrated approach is required to achieve the objectives and prescriptions made for this Working Circle.

5.2.2 Regular biotic interference has led to decrease in vegetative cover which is one of the reasons of high run-off, rapid soil erosion and at times flash floods in low lying areas. Majority of the forest blocks included here are the ones which have been badly affected due to regular removal of biomass and some blocks are included which have valuable high forests but have now become target of timber smugglers. It is a fact that the forests of Ghumsur South Division are open to large tract of dense populations in Ganjam District. The forest blocks proposed to be worked under this working circle need intensive protection measures so that pressure of biomass removal is reduced substantially and other silvicultural operation prescribed in the main Selection Working Circle and Rehabilitation Working Circle yield desired result. The main species in these forests are Sal like Piasal, Sisoo, Asan, Dhaura, Kurum, Kasi and Kangada etc.

5.3 SPECIAL OBJECTIVES OF MANAGEMENT

5.3.1 Since the areas included in this Working Circle are in immediate need of complete protection measures coupled with improvement of vegetative cover, the special objectives of management are as follows:

- i) To keep the delicate and eco fragile areas intact by maintaining adequate vegetative cover.
- ii) To curb over-degradation and augmentation of natural regeneration by strong protection measures and minimizing biotic interferences like illicit felling, encroachment, shifting cultivation, grazing and other biotic factors.
- iii) To protect these forests from fire and provide strict vigil against the same.
- iv) To arrest the drivers of degradation of forests.

Table No. 5.1(i): **Estimated Total Number of Trees (PrWC)**Enumerated Area (Ha): **9656.49**Total no of Compts.: **24**Strip Area (Ha.): **96.56**Strip Intensity: **1%****Number of trees by Girth Class Wise and Species Wise (in Cm)**

Species	30-59	60-89	90-119	120-149	150-179	>180	TOTAL
Sal	4889	1850	1184	0	0	0	7923
Piasal	20530	3909	973	0	0	0	25412
Sisoo	6257	723	0	0	0	0	6979
Bandhan	32098	7918	0	0	0	0	40016
Gambhar	4724	731	0	0	0	0	5455
Halanda	15264	1029	0	0	0	0	16293
Mundi	2784	0	0	0	0	0	2784
Kashi	28115	786	0	0	0	0	28901
Asan	90359	25798	2732	0	0	0	118888
Mai	123487	40074	5829	250	0	0	169640
Mahula	65859	13976	865	0	0	0	80701
Mango	12137	2764	2109	942	599	928	19479
Tamarind	519	0	0	0	0	0	519
Amla	17071	991	0	0	0	0	18062
Char	129402	31978	3168	0	0	0	164547
Kendu	73399	19162	3770	217	72	0	96621
Bahada	16028	1930	0	0	0	0	17958
Harida	6654	466	0	0	0	0	7119
Kusum	29924	4643	916	0	0	0	35483
Bela	30385	803	0	0	0	0	31187
Jamun	29305	8687	2307	908	0	0	41207
Misc.	337823	73311	24873	2647	214	0	438868
TOTAL:	1077011	241526	48728	4964	885	928	1374042

TOTAL NO OF SPECIES IN SOUTH DIVISION

SAL	4889	1850	1184	0	0	0	7923
OTHERS	1072122	239676	47543	4964	885	928	1366119

PERCENTAGE OF ESTIMATED SPECIES

SAL	0.45	0.77	2.43	0.00	0.00	0.00	0.58
OTHERS	99.55	99.23	97.57	100.00	100.00	100.00	99.42
	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Table No. 5.1(ii): **Volume of Trees (PrWC)**Enumerated Area (Ha): **9656.49**Total no of Compts.: **24****Number of trees by Girth Class Wise and Species Wise (in Cm)**

Species	30-59	60-89	90-119	120-149	150-179	>180
Sal	289	499	753	0	0	0
Piasal	1450	1195	661	0	0	0
Sisoo	2986	1013	0	0	0	0
Bandhan	2036	2160	0	0	0	0
Gambhar	269	179	0	0	0	0
Halanda	7463	742	0	0	0	0
Mundi	218	0	0	0	0	0
Kashi	2178	239	0	0	0	0
Asan	5913	7251	1770	0	0	0
Mai	7832	10930	3539	286	0	0
Mahula	4178	3126	403	0	0	0
Mango	690	677	1189	1021	1066	2373
Tamarind	29	0	0	0	0	0
Amla	971	243	0	0	0	0
Char	7361	7830	1786	0	0	0
Kendu	56951	24567	6551	488	199	0
Bahada	1854	802	0	0	0	0
Harida	379	114	0	0	0	0
Kusum	1702	1137	517	0	0	0
Bela	1728	197	0	0	0	0
Jamun	2300	2469	1429	1051	0	0
Misc.	19218	17951	14025	2872	382	0
TOTAL:	127997	83321	32623	5717	1647	2373

TOTAL NO OF SPECIES IN SOUTH DIVISION

SAL	289	499	753	0	0	0
OTHERS	127708	82821	31870	5717	1647	2373

PERCENTAGE OF ESTIMATED SPECIES

SAL	0.23	0.60	2.31	0.00	0.00	0.00
OTHERS	99.77	99.40	97.69	100.00	100.00	100.00
	100.00	100.00	100.00	100.00	100.00	100.00

5.4 AREA AND ALLOTMENT

5.4.1 The area allotted to this Working Circle is 9606.49 hectares which is eco-fragile in nature. The forest blocks such as Goudagotha, Merikote and Mahisakhata have been kept in this circle for exclusive treatment. These blocks and compartment wise details allotted to this Overlapping Working Circle are given at **Table No. 5.1**.

5.4.2 1% enumeration by Stratified Systematic Strip Sampling Method was conducted in all the tree Forest Blocks. The results have been statistically analyzed and are presented in Appendix-XV. The number of trees available in different girth classes in Stratified Systematic Strip Sampling Method is given in the **Table No. 5.1(i)** & their corresponding Volumes in **Table No. 5.1(ii)**.

Table No. 5.1: **Area Allotment of Protection Working Circle**

Range	Treatment Series	Forest Block	Compartments		Area of treatment series (Ha)
			Number	Area (in Ha.)	
Badagada	Goudagotha	Goudagotha	1,2,3,4p,5,6,7,8,9,10,11,12,13	4580.00	4580.00
	Merikote	Merikote	1,2,3,4,5,6p,7,8,9	4428.24	5026.49
		Mahisakhata	1,2	598.25	
TOTAL:					9606.49

5.5 SILVICULTURAL SYSTEM

5.5.1 As the forests included in this circle are to be mainly protected without any other consideration, no silvicultural system has been prescribed. Retention of dead and dying trees is suggested from wildlife management point of view to achieve these objectives. However, for achieving the special objectives of this circle, the following operations are prescribed.

- The area shall be rigidly protected from illegal biomass removal so as to keep it under nature's own care and nursing.
- Areas of forest blocks on steep precipitous slopes and eco-fragile areas would be specially protected to ensure there is no loss of vegetation or soil cover.
- Steps will be taken to prevent fires and grazing in the forests.

- iv. Boundary of compartments and blocks will be maintained
- v. Forest road network will be maintained.
- vi. Communication network – VHF and HF sets will be used effectively
- vii. Special anti-smuggling squads and fire fighting squads will be created for each Protection Unit.
- viii. The boundaries of the forest blocks will be regularly maintained with proper posting of pillars.

5.6 PROTECTION UNIT AND CYCLE

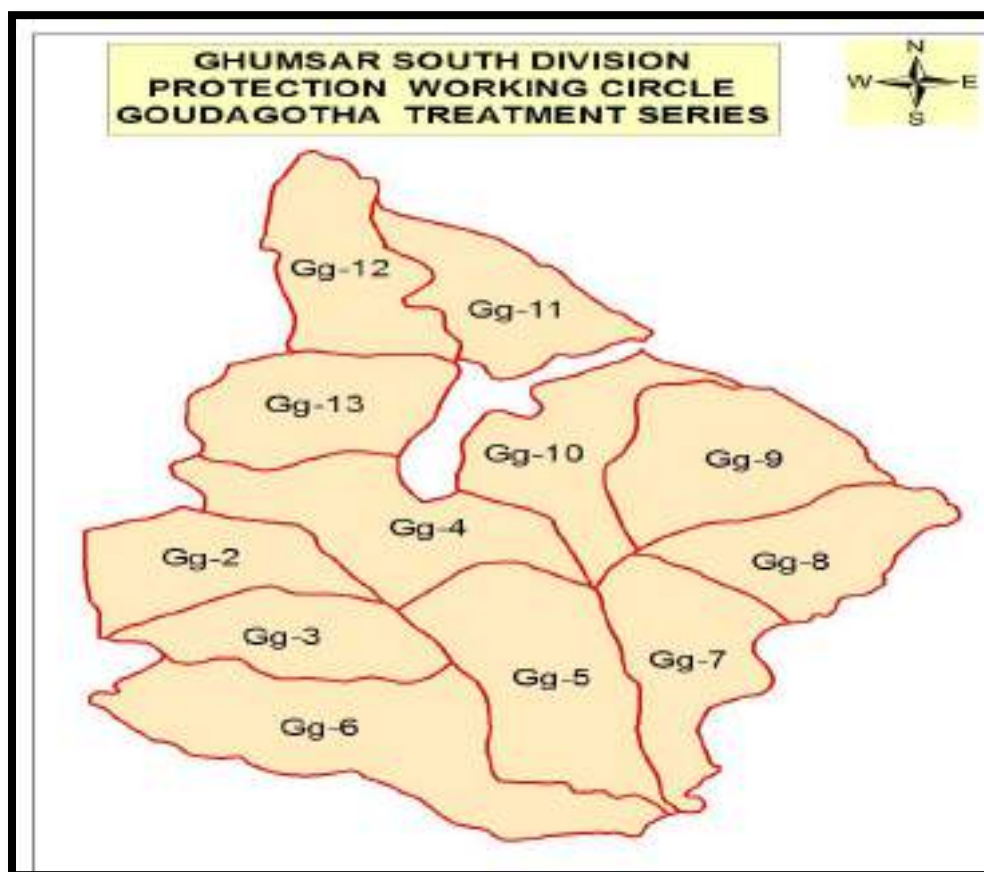
5.6.1 Since the area allotted to this working circle is relatively small and are confined to only one Range, it is suggested to create different protection units to achieve the special objectives. The routine forestry operations like maintenance of block boundaries to prevent encroachment, annual repair of forest roads to ensure un-interrupted patrolling, deployment of anti smuggling squads to check illegal activities will be given top priority.

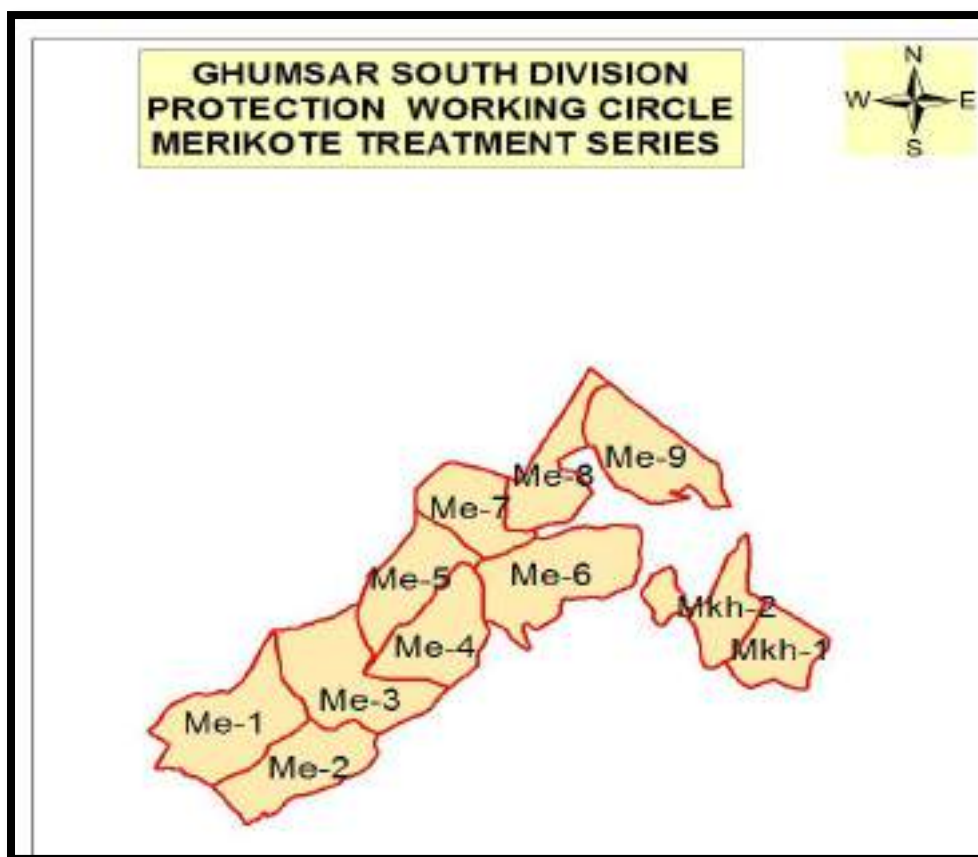
5.6.2 **Sequence of Treatment Series:-** The statement at **Table No. 5.2** indicates the allotment of areas into two Protection series in Badagada Range and its sequence of operation. The same sequence has been followed as was done in the outgoing plan. These areas have been shown in 1:50,000 scale topo-maps.

Table No. 5.2: **Sequence of Treatment Series**

BADAGADA RANGE						
GOUDAGOTHA TREATMENT SERIES						
2014-15	I	Merikote	8	435.50	435.50	Working will be done as per prescription of P. Mecro's plan for Parlakhem undi Division
2015-16	II	Mahisikhata	1	270.0	270.0	
2016-17	III	Goudagotha	1	237.50	477.50	
			2	240.0		
2017-18	IV	Goudagotha	4	430.0	430.0	
2018-19	V	Goudagotha	6	442.5	442.5	
2019-20	VI	Goudagotha	9	410.0	410.0	
2020-21	VII	Goudagotha	12	370.0	700.0	
			13	330.0		
2021-22	VIII	Merikote	2	435.5	435.5	
2022-23	IX	Merikote	4	498.0	498.0	
2023-24	X	Merikote	6p	530.5	530.5	
Total area of the Goudagotha Treatment series					4570.0	

MERIKOTE TREATMENT SERIES						
2014-15	I	Merikote	9	503.00	503.00	Working will be done as per prescriptio n of P. Mecro’s plan for Parlakhem undi Division
2015-16	II	Mahisikhata	2	328.25	328.25	
2016-17	III	Goudagotha	3	265.0	265.0	
2017-18	IV	Goudagotha	5	512.5	512.5	
2018-19	V	Goudagotha	7	380.0	660.0	
			8	280.0		
2019-20	VI	Goudagotha	10	370.0	682.50	
			11p	312.5		
2020-21	VII	Merikote	1	499.24	499.24	
2021-22	VIII	Merikote	3	555.50	555.50	
2022-23	IX	Merikote	5	463.0	463.0	
2023-24	X	Merikote	7	408.0	408.0	
Total area of the Merikote Treatment series					5036.49	
GRAND TOTAL OF AREA ALLOTTED TO THE CIRCLE:					9606.49	





5.7 METHODOLOGY AND EXECUTION OF OPERATION

5.7.1 Demarcation of Annual Coupes and preparation of Annual Plan of Action

- i. In order to execute the protection measures, single protection series has been divided into 10 annual coupes to facilitate systematic operations. The annual coupe shall be attended to as per the sequence prescribed in the plan and presented in **Table No 5.2**. Since the area allotted to this working circle consists of large no. of relatively small isolated ring out patches, each such sub coupe within an annual coupe shall be demarcated in the preceding season of treatment, the traditional method of demarcating annual coupes of other working circle and their encompassment or otherwise of compartment or sub- compartment can't be applied in this working circle. The annual coupes of all the units have been depicted in the Management Map.
- ii. Signboards, showing the name of the forest block, Working Circle, Compartment No. area and year shall be displayed on prominent and easily identifiable trees in each unit of sub compartment.

- iii. The DFO shall ensure preparation of an annual action plan with a calendar of operations before execution of works.

5.8 FOREST PROTECTION MEASURES

- i. No grazing and illegal removal of forest produce shall be allowed from the protection coupes.
- ii. All the forests of this Working Circle shall be strictly protected against illicit felling, forest fires and other biotic interferences. Anti-smuggling squads at vulnerable points shall be created by deployment of manpower from other less important areas besides engagement of protection watchers. The DFO shall evolve the modalities for its effective working.
- iii. All the check gates shall be strengthened and the staff at the gates shall not be posted for more than a year. Similarly, in theft prone and problematic Beats / Sections, the staff shall be rotated on yearly basis. The forest cases detected shall be firmly dealt without allowing these to remain pending at the FG /Forester /Range Officer Level for too long period.
- iv. The concerned Range Officer/DFO shall periodically monitor the performance of each Beat Forest Guard and Section Forester. The DFO shall review the performance of each Range/Section/ Beat at least once in six months with regard to the protection efforts, monitor illicit felling and take required remedial measures as are considered necessary and feasible. For better coordination, the communication network including VHF network shall be strengthened and made effective.
- v. The field forest staff shall take steps to control encroachments in the forests and take steps to evict encroachers in the annual treatment area. Resurvey, demarcation and construction/repair of boundary pillars according to provisions of Rule 168 and 169 of O.F.D. Code, 1979 is absolutely necessary to check this growing problem. Handheld GPS will be used for survey and such other work and recording of latitude and longitude will invariably be done. The cases of encroachment shall be firmly dealt with. The prosecution cases filed in the court should be pursued vigorously. A close vigil will be maintained about the activities of Forest Right holders who have settled and got their habitation inside the forest regularized under FRA, 2006 so that they do not encroach for fresh forest land. Any instance of practicing podu cultivation on the steep slopes will be dealt with in heavy hand without mercy.

- vi. Joint boundary verification of all forest blocks in this Division has been taken up by the staff of Working Plan Officer & staff of Divisional Forest Officer as per the 2nd PWPR. The Range Wise / Forest Block Wise Joint Boundary Verification Report are given in Appendix – II(A).
- vii. The success of protection efforts should be monitored with regard to the number and nature of forest offence cases, encroachers evicted, timber and vehicle seized and the manner in which the booked offence cases are investigated and contested in the appropriate courts of law.
- viii. The DFO and his subordinate officers shall constantly pursue the offence cases in the competent courts of law so as to ensure greater rate of conviction. These measures will have long lasting effect even on the overall protection in the entire Division as well.
- ix. A no. of functional divisional mobile squads with vehicle, required staff and arms will be constituted. The Divisional mobile squads will be deployed by the DFO for regular patrolling and supporting filed staff in emergencies.
- x. There shall be regular monthly review by the DFO and ACF of the forest offence cases in every Range level during their field tour. The outcome of such reviews shall invariably find place even in their monthly tour diaries. The DFO, ACF, Range Officers will have to make night halts in the interior forests where accommodation by whatever standard is available like rest shed, nursery shed, small rest room in check gates/watch towers etc. and hit and run tours will be avoided.
- xi. The forest cases detected shall not, as a matter of routine be compounded. Proper investigation shall be done to convert the UD cases to PR cases so that the accused are brought to book. Further, the PR cases shall be submitted in time duly following the procedure stipulated in the Orissa Forest Offence (Detection, Enquiry & Disposal) Rules'1980. The PR cases filed in the court shall be regularly pursued through the Public Prosecutor/Assistant Public Prosecutors. Moreover, the technical issues and bottlenecks may be brought for discussion/redressal in the Senior Officers' Meeting like PMC (Police Magistrate Co-ordination) meeting at the District level.

5.9 SOIL AND WATER CONSERVATION MEASURES

- 5.9.1 Different mechanical measures are required to be taken to arrest the flow of water and recharge the aquifers and retain the soil and moisture of the area. Along the foot hills

usually contour trenching is done at areas having steep slope of more than 10° slope by digging of trench of suitable size and the length varying 5 to 6 metres in a staggered manner, the interval from line to line being approximately the same distance as from trench to trench in a line. The dug out earth will be heaped in the down hill side and then planting of soil binding species will be taken up on the berm of the trench. These include species like *Prosopis specegera*, *Zyziphus jujube*, *Azadirachta indica*, *Dalbergia Sissoo*.

5.9.2 **Contour bundling:** In areas having gentler slope of less than 10° slope, contour bunding is provided to arrest the runoff and help water conservation. A series of such bunds will be constructed along the contour by digging earth in a staggered manner. The dimension of the cross section will depend upon the budget allocation but care should be taken to see that the height of the bund is not made unnecessarily more than the requirement which must be site specific and proper austerity measures taken on this score.

5.9.3 **Gully plugging:** All gullies on the hill slopes will be plugged by construction of bunds on it and providing diversion channel at distances of at least 2 to 3 metres away from the gully head so that water can drain off without any further erosion. Over hanging gullies will be made into slopes of 1: 2 followed by plantation of Sabai grass or Agave at closed species. Different types of bunds will be constructed depending upon the size of the gully and usually it should be of the following types: (1) Brush wood dam, (2) Live hedge.

5.9.4 **Check dam:** If the size of the gully is large, then check dam will be constructed with brush wood or dry rubble and boulders across the streams in series so that the top of the structure on the down stream and bottom of the structure on up stream will be at the same level. It will be commenced from the head of the stream down ward.

5.10 **FOREST ROAD NETWORK**

- i. These forest roads/tracks should be maintained by providing drains on either side. The side drains should be periodically cleared to allow surface runoff smoothly. Cross-drains across the roads should be provided in hill slopes to minimize soil erosion. Existing causeways and temporary bridges should be improved. Light morrum topping of road should be done periodically so as to encourage compaction

and prevent soil loss and erosion because of surface runoff. Roads should be repaired every year generally during November and December.

- ii. Attempt should be made to black top/make all weather roads connecting vulnerable forest blocks so that the intensity of patrolling can improve round the calendar.
- iii. The concerned Range officer shall prepare a plan and estimate for annual repair/special repair after physical verification of forest roads and obtain the approval of the competent authority prior to execution of the work. In case of new construction, detailed investigation shall be undertaken before execution of any such project.

5.11 FOREST FIRE PROTECTION

- i. The extent, causes and damage done to forest by forest fire has been explained at Para 2.18 of chapter- I of Part - I. Forest blocks vulnerable to fire based on satellite imageries have been identified in Chapter 2A. Protection against fire requires concerted effort of the field staff and the forest fringe dwellers during the period February to May.
- ii. Fire continues to be the major threat to forest regeneration and establishment. Fire watcher system needs to be strengthened in the identified vulnerable areas. Depending upon requirement and availability of funds fire watchers will be provided to every vulnerable area.
- iii. The VSS should be involved in containing forest fires. Incidence of annual fire should be entered in the compartment history. Fire prone areas should be identified and precautionary measures taken in time. Every year block wise fire maps need to be prepared, fire protection incentive schemes which are in vogue may be widened & given wide publicity through print & electronic media.
- iv. Annual fire line clearance of 1 to 2-chain width in fire sensitive areas, coupled with controlled burning shall be done under the personal supervision of the Forester /Forest Guard. Moreover, old fire lines, forest roads, boundary lines, village ring shall be cleared by taking up control burning in 1-chain strip on both sides of it.
- v. Modern fire fighting methods should be adopted
- vi. Awareness on the damage caused by fire to be created amongst the people

5.12 COMMUNICATION SYSTEM AND MOBILITY

- i. The VHF system in vulnerable pockets of the Division needs to be strengthened. It has come to a standstill. Fixed sets, mobile sets and hand set should be made available. Each Protection squad should be provided at least one fixed set and one hand set.
- ii. Since fast communication is vital for transmitting information and also for deployment as well as re-enforcement in an emergency case, there shall be VHF system installed at the Divisional office and all the Range HQs and supplied to every Protection Squad. Besides, all the four wheel vehicles shall also be installed with mobile VHF sets.
- iii. Attempt shall be made to provide every Protection unit with a jeep/van
- iv. All communication through VHF between and among different stations, protection squad and mobile units should be properly entered in a register and maintained chronologically.

5.13 REWARDS FOR FOREST PROTECTION

5.13.1 Government of Odisha have instituted various annual prizes and awards which are distributed on different occasions. The purpose of giving awards is to recognize the good work done by individuals and institutions in the field of forest & environment conservation and to encourage people's participation in protection of forests and wildlife and conservation of environment. Meritorious work done by forest field staff is also rewarded through the State Forestry Awards. As envisaged in Rule 268, 269, 270, 271, 272, 377 and 378 of the Orissa Forest Department Code-1979 rewards can be given to the cutting edge staff of the Forest Department & Public having commendable contributions in the field of Forest & Wildlife Protection. Government of Odisha have instituted the Odisha Rewards for Detection of Forest Offences Rules, 2004 vide the Odisha gazette notification no SRO 52/2005 dated 28th January'2005.

5.13.2 Awards given on World Forestry Day (21st March)

(A) State Forestry Award for Forest Field Staff

Twenty forest officials working as Forest Rangers, Foresters and Forest Guards in Forest & Environment Department are honoured with this award every year. The

award is given to 2 (two) Forest Rangers, 6 (six) Foresters and 12 (twelve) Forest Guards. It consists of a Citation and a Medallion along with cash award of Rs. 5,000 (Rupees five thousand) to be given to each recipient. The awards is given for meritorious services and achievements of the individual field personnel in any of the following areas :—

- (i) Forest protection and anti-smuggling work
- (ii) Promotion of Joint Forest Management
- (iii) Afforestation and plantation work
- (iv) Forest and wildlife management
- (v) Forest research and experiments
- (vi) Kenduleaf operations management

(B) Award for outstanding performance in Plantation / Afforestation

Cash award of Rs. 10,000 for the best educational institution at subdivision level (one for every subdivision) and cash award of Rs. 20,000 for the best Gram Panchayat at subdivision level (one for every subdivision) are given for outstanding performance in plantation / afforestation every year in a District level function on the World Forestry Day on 21st March.

5.13.3 Awards given on World Environment Day (5th June)

(A) Prakruti Mitra Award

“Prakruti Mitra Award” has been instituted by Forest & Environment Department of Government of Odisha, which carries a cash award of Rs. 10,000 (Rupees ten thousand) along with a citation. Any village, educational institution or registered organizations in each block having contributed substantially in the field of conservation of nature and environment as well as in creating awareness in this regard is eligible for this award. District Environment Society can select any suitable Village/Voluntary Organization/Educational Institution for the award.

(B) Prakruti Bandhu Award

“Prakruti Bandhu Award” has been instituted by the Forest & Environment Department of Government of Odisha, which carries a cash award of Rs. 5,000 (Rupees five thousand) only along with a citation and given to individuals. One person of each Block having contributed immensely in the field of conservation of nature and environment as well

as in creating awareness in this regard will be eligible for this award. The District Environment Society shall select persons for the award, which shall be given in a special function held at District level on World Environment Day.

5.13.4 **Awards given during Vanamahotsava Week (July)**

In order to encourage Joint Forest Management Committees in the matter of Forest Protection and Conservation, the State Govt. have instituted “Biju Patnaik Award for Forest Protection and Conservation “ with effect from the financial year 2013-14 onwards. This award is given at the State and Sub-division level every year during the Celebration of Vanamahotsava Week in the 1st of July. The VSS/EDC adjudged to be the Best in every Sub-Division and the VSS/EDC adjudged to be the Best at the State level will be eligible for the award. The State level award shall consist of a Certificate with cash award of Rs.2,00,000/-(Rupees Two lakhs) and the Sub-Division awards shall consist of a Certificate with cash of Rs.20,000/- (Rupees Twenty Thousand) to be given during the said celebration on the occasion of Vanamahotsava at the State level and district level function respectively.

5.13.5 The performance of the VSS/EDC will be rated on 10 (Ten) critical indicators and rating for each indicator will be done in the scale of 1 to 10. The performance of the V.S.S. will be rated on the following ten critical indicators :

- (a) Extent of forest area under effective control, protection and management of the V.S.S.
- (b) Regularity and frequency of holding meetings of the General Body and Executive Committee of the V.S.S., proper attendance in these meetings, deliberation of vital issues, and record keeping.
- (c) Improved status of forest protection
- (d) Quality of control, exercised by the V.S.S., on day-to-day management.
- (e) Resolution of conflicts
- (f) Sustainable collection of N.T.F.P.
- (g) Effective preservation and control of forest fire
- (h) Reduction in day-to-day dependency on the produce of the forest
- (i) Effectiveness in implementation of afforestation, soil moisture conservation measures
- (j) Equity and gender equity

All steps should be taken to give wide publicity through electronic and print media for such provision of Govt. The name of all the winners will be given wide publicity so as to encourage others. The winners will be given exposure visit to outside the state so that they get due recognition and feel proud. They will be interviewed and involved in group discussion which will be published in electronic and print media.

5.14 MISCELLANEOUS REGULATION

5.14.1 Control of Grazing

The annual protection areas shall remain closed for grazing. Practice of stall feeding to cattle, collection of grasses and fodders will be induced to the local people. The stipulations laid down in the Odisha Forests (Grazing of Cattle) Rules, 1980 shall be followed meticulously.

5.14.2 Peoples' participation

The JFM mode for participation of local people for Forest Protection and Management in accordance with the Govt. policy in vogue will be intensified. A sense of ownership will be inculcated in the mind of the VSS members for management & protection of forest so that the Forest Dept. ground staff only take advisory and facilitating role only.

5.14.3 Control

The stipulation laid down in the Forest Rights Act, 2006 and Rules 2008 thereof need to be followed in so far as the community right of the people and their duties are concerned.

5.15 NECESSARY FOR INTERMEDIATE REVISION

Intermediate revision is not anticipated. However, if necessary, prescription may be reviewed after 5 years jointly by the Regional Chief Conservator of Forests (Territorial) and the Addl PCCF (PSM). Any deviations suggested shall be subjected to the sanction of the competent authority.

CHAPTER - VI

BAMBOO (OVERLAPPING) WORKING CIRCLE

6.1 GENERAL CONSTITUTION

6.1.1 This Working Circle is an overlapping Working Circle comprising of all the forest blocks having bamboo crop. This will spread over the areas assigned under Selection Working Circle and Eco-restoration Working Circle of the outgoing Plan and some portions of the newly created Protection Working Circle.

6.1.2 This Working Circle includes all the forest blocks which were earlier managed under the Bamboo (Overlapping) Working Circle in the previous Plan and Scheme except Ramaguda, Ramapalli, Baniamari, Purunapani Daburia, Khaladimal, Jokalundi, Gaida, Putakhhol, Malijhar - I, Malijhar - II, Chemidi and Kantakhhol forest blocks because of poor bamboo crop. In addition three Forest Blocks such as Gaudagotha, Merikote and Mahishakhata of Badagada Range which have been transferred from Parlakhemundi Division are also included in this Working Circle. The area allotted to this Working Circle is 72308.84Ha.

6.2 GENERAL OBSERVATION AND VEGETATION

6.2.1 *Dendrocalamus strictus* (Salia bamboo) is the main species and grows in extensive areas. *Bambusa arundinacea* (Daba bamboo) grows over small patches along the permanent nallahs and rivers. Salia bamboo generally grows on the hilltop, as an under storey or at some place as bamboo brakes. Good quality i.e. clump quality I bamboo occurs in compartment number 9, 10, 11, 12 and 13 of Pondakhhol block (Budaguda cutting series) and Badagada - C block (Jhirjhira cutting series). Medium quality bamboo i.e. clump quality II bamboo occurs in remaining portion of Pondakhhol, Pipalapanka, Raipada, Pankalagam, Badagada - A and Badagada - B forest blocks. The clump quality III bamboo occurs in Kriamba, Karchuli - A, Karchuli - B and Pandripada forest blocks. There is hardly any bamboo in the forests of Aska and Polasara Range. Production of daba bamboo is very erratic and is limited to few bamboo coupes of Jokabandha (all the four cutting series),

Krimba (B,C and D coupes), Karchuli (A, B and C coupes) and Nadiamba (B/C – ‘C’) forest blocks wherein it occurs along the permanent nallas. The annual production of Daba bamboo goes up to 19500 bundles as revealed from the production figures during the period from 2004-05 to 2011-12.

6.2.2 The production of bamboo in the Division has shown declining trend over the years as revealed from the bamboo production statistics mainly because of unscientific working by the RMP in the past and to even greater extent due to illicit removal of young bamboo shoot by the public. Improper application of prescribed cutting rules resulting in under exploitation on the higher ridges and difficult terrain and over exploitation in the easily accessible areas is the outcome of present scenario.

6.3 SPECIAL OBJECTIVES OF MANAGEMENT

6.3.1 The special objectives of the management of the Bamboo (Overlapping) Working Circle are as follows :-

- (i) Systematic management of the bamboo forests through scientific working to obtain sustained yield.
- (ii) Meeting the demand of the local people and artisans for their domestic use and run their traditional bamboo craft making through supply under TARR (Tenant, Artisan, Retail & Relief supply).
- (iii) Meeting the demand of raw materials for the paper mills.
- (iv) Employment to forest dwellers and local people.
- (v) To rehabilitate degraded bamboo bearing areas through silvicultural treatment.

6.4 AREA ALLOTMENT AND CONSTITUTION OF CUTTING SERIES AND ANNUAL COUPES

6.4.1 The total area allotted to this overlapping Working Circle is 72308.84 ha. which is about 65% of the total working plan area of the Division. These areas are being worked in sixteen no of cutting series. The entire area of all the forest blocks have been taken up for working excepting the Goudagotha UDPF wherein the compartment no. 1 having area 237.50ha. has been excluded from working as it is devoid of bamboo growth. The same

prescription has been followed in the P. Mecro's plan of Parlakhemundi Division which is in force upto 2015-16. The details of Range wise and block wise areas proposed to be allotted under this overlapping Working Circle is given below in **Table No. 6.1**.

Table No. 6.1: **Range and Block wise area allotted to Bamboo (OL) Working Circle**

Sl. No.	Name of the Cutting series	Name of the forest block RF/PRF	Area (in Ha.)	Area of the cutting series (in Ha.)
Sorada Range				
1	Budaguda	Pondakhol (P)	5309.04	5309.04
2	Gazalbadi	Pondakhol (P)	2043.33	2043.33
3	Adiponka	Pondakhol (P)	7285.30	7285.30
4	Pipalapanka	Pipalapanka (P)	2874.64	2874.64
5	Raipada	Raipada (P)	2270.12	2535.71
		Pankalagam	265.59	
Buguda Range				
6	Kriamba	Kriamba (P)	4253.29	4253.29
7	Karchuli	Karchuli-A (P)	1570.07	3552.64
		Karchuli-B	354.66	
		Kriamba (P)	1627.91	
Aska Range				
8	Jhirjhira	Badagada-C (P)	4620.00	4620.00
9	Bhalliguda	Badagada-C (P)	5830.00	5830.00
Polosara Range				
10	Nadiamba	Pandripada (P)	5805.00	5805.00
11	Jokabandha	Pandripada (P)	5780.00	5780.00
Badagada Range				
12	Jarao East	Badagada A (p)	4205.00	4205.00
13	Jarao West	Badagada A (p)	4830.00	5240.00
		Srirampali	410.00	
14	Lembakumba	Badagada B (p)	3555.00	3555.00
15	Goudogotha	Goudogotha	4600.00	4362.50
16	Merikote	Merikote	4458.24	5056.49
		Mahisakhata	598.25	
Grand Total:				72308.84

6.5 SILVICULTURAL SYSTEM

6.5.1 The Silvicultural System prescribed is “Culm Selection-cum-Clump improvement” combined with simultaneous cleaning and cultural operations for salia and daba bamboos.

6.6 ANALYSIS AND VALUATION OF CROP

6.6.1 Salia bamboo is the main species that occurs over the entire area allotted to this Working Circle except for the moist localities along the perennial nalas where daba bamboo grows. The area under Bamboo & its quality has been deteriorated till now. Unsystematic and indiscriminate felling by local tenants combined with fire, grazing and untimely silvicultural operation has deteriorated the crop conditions. Regeneration of bamboo is excellent in Pondakhhol and Badagada - C forest blocks. In other areas, regeneration of bamboo is satisfactory. Detail analysis has not been done as it is an overlapping working circle and the past production figures vary widely. The condition of bamboo crop is such that it is taken to be of quality III. The average height of culms is taken as 3.0 meters.

6.7 CUTTING CYCLE

6.7.1 As customary, a cutting cycle of 4 years will be followed. The sequence of cutting of bamboo followed in the expiring plan (P. K. Jha's Plan) was different from that of the expiring scheme (Satrugan Padhi's schemes). The same sequence will be followed in the current plan. Each cutting series is proposed to be divided into 4 annual coupes viz. A, B, C & D. The sequence of felling is in continuity with that of the outgoing plan.

6.8 YIELD

6.8.1 Yield will be regulated by area. For calculating the yield the bamboo cutting rules communicated vide letter No.13/FCWP/OS-Gen dt.24.12.90 of the MoEF, Govt. of India shall be followed. As per the said rules, culms up to one year of age (Karadi) and the bamboo culms over one year but less than two years of age (Kasi) will not be cut under any circumstance. Such more than one year old culms and the culms which are older than two years but less than three years of age are also to be retained in the clump and their number shall not be less than number of Karadis. In addition, the minimum culms per clump to be

retained after cutting shall not be less than 15 (fifteen) culms for clump Quality-II and 10 (ten) culms for clump quality-III.

6.8.2 Detail yield analysis has not been done as it is an overlapping working circle and the past production figures vary widely. The condition of bamboo crop is such that it is taken to be of quality III. The average height of culms is taken as 3.0 meters for the assumed quality class (Quality-III) for the purpose of yield estimation. Since one Sale Unit (SU) is equal to 2400 RMT or one MT, the formula used for yield calculation is as follows:-

$$\begin{aligned} \text{Yield of Cutting Series (or Annual Coupe)} &= \text{Area of Annual Coupe} \\ &\quad \times \text{Number of clumps / hectare} \\ &\quad \times \text{Number of harvestable culms / clump} \\ &\quad \times (\text{Average culm height} / 2400) \end{aligned}$$

6.9 TABLE OF BAMBOO CUTTING OPERATION

6.9.1 Coupe will be opened for working from October to June. The sequence of cutting series is shown in 1: 50,000 management maps and is as per **Table No. 6.2**. If the cutting operation could not be taken up in a particular year because of some factors, those coupes will be taken for cutting in the following year as additional in addition to the area earmarked for the same year.

6.9.2 A definite sequence of cutting in bamboo coupes will be followed. The coupe shall be divided into four sections running across the contours. The sections from the uphill side should be worked first and work in the first section shall be completed in all respect before the work commences in the second section and so on. This is ensure better work output as coupes on higher ridges can be worked efficiently during winter and those on lower altitudes during early summer season. Further fire prevention & fire management can be done in a better manner. The cutting operation will continue as a wave front.

Table No. 6.2: **Sequence of Cutting Series**

BUDAGUDA CUTTING SERIES					
Year	Coupe Number	Block	Compartment Numbers	Coupe Area (Ha)	Remarks
2014-15 2018-19 2022-23	A	Pondakhhol	6, 7 & 8	1035.93	1035.93

2015-16 2019-20 2023-24	B	Pondakhhol	11, 12 & 13	1388.94	1388.94
2016-17 2020-21	C	Pondakhhol	14, 15 & 16	1611.84	1611.84
2017-18 2021-22	D	Pondakhhol	4, 5a, 9 & 10	1273.23	1273.23
Total area of the Budaguda Cutting Series					5309.94 ha
GAZALBADI CUTTING SERIES					
Year	Coupe Number	Block	Compartment Numbers	Coupe Area (Ha)	Remarks
2014-15 2018-19 2022-23	A	Pondakhhol	35 & 36a	743.10	743.10
2015-16 2019-20 2023-24	B	Pondakhhol	3	441.33	441.33
2016-17 2020-21	C	Pondakhhol	2	332.90	332.90
2017-18 2021-22	D	Pondakhhol	1	526.00	526.00
Total area of the Gazalbadi Cutting Series					2043.33 ha
ADIPONKA CUTTING SERIES					
Year	Coupe Number	Block	Compartment Number	Coupe Area (Ha)	Remarks
2014-15 2018-19 2022-23	A	Pondakhhol	17, 18, 19, 20 & 21	1952.01	1952.01
2015-16 2019-20 2023-24	B	Pondakhhol	22, 23, 24, 25 & 26	1455.41	1455.41
2016-17 2020-21	C	Pondakhhol	27a, 28, 29a & 30	2010.43	2010.43
2017-18 2021-22	D	Pondakhhol	31, 32, 33 & 34	1867.45	1867.45
Total area of the Adiponka Cutting Series					7285.30 ha
Pipalapanka CUTTING SERIES					
Year	Coupe Number	Block	Compartment Number	Coupe Area (Ha)	Remarks
2014-15 2018-19 2022-23	A	Pipalapanka	4 (Part)	279.10	279.10
2015-16 2019-20 2023-24	B	Pipalapanka	4 (Balance)	279.10	279.10

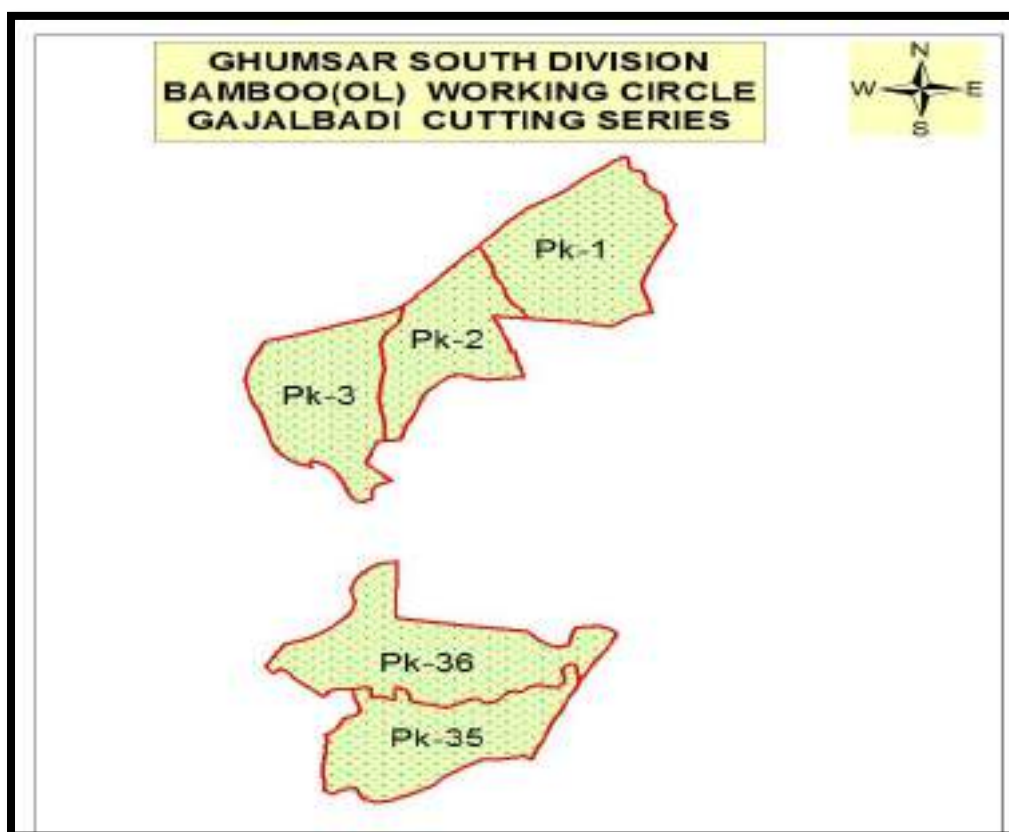
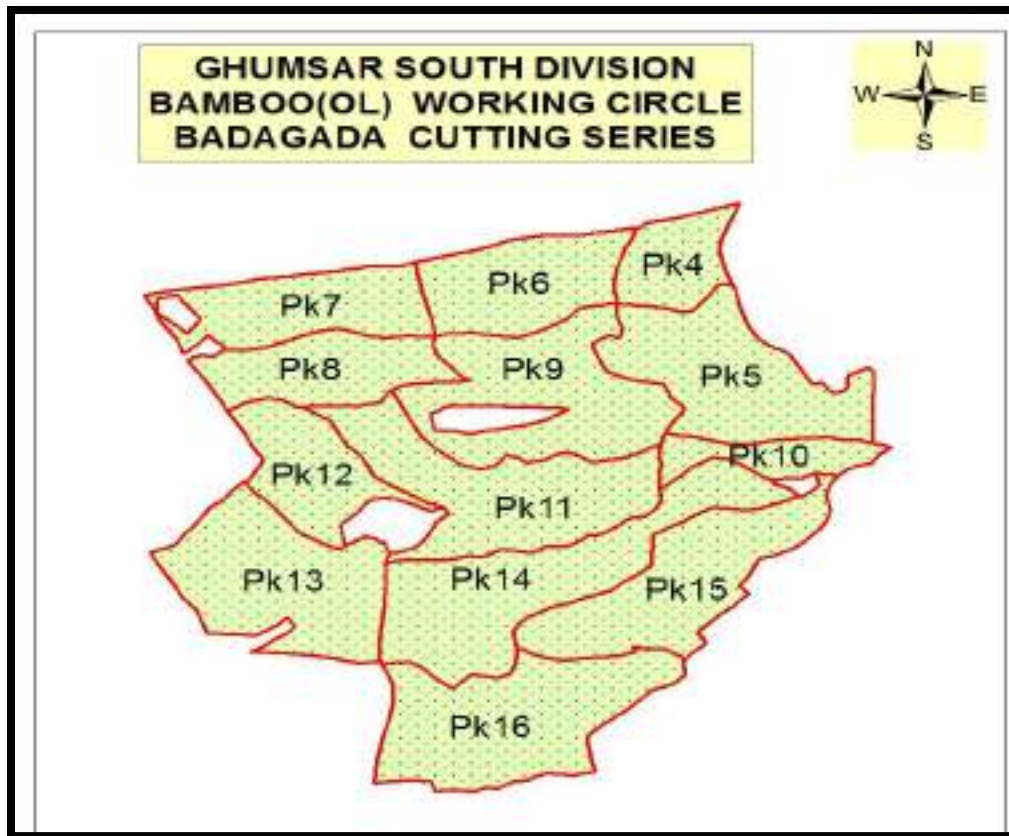
2016-17 2020-21	C	Pipalapanka	5 & 6	1157.28	1157.28
2017-18 2021-22	D	Pipalapanka	2 & 3	1159.16	1159.16
Total area of the Pipalapanka Cutting Series					2874.64 ha
RAIPADA CUTTING SERIES					
Year	Coupe Number	Block	Compartment Number	Coupe Area (Ha)	Remarks
2014-15 2018-19 2022-23	A	Pankalagam	1	265.59	265.59
2015-16 2019-20 2023-24	B	Raipada	1 & 2	1225.95	1225.95
2016-17 2020-21	C	Raipada	3	554.57	554.57
2017-18 2021-22	D	Raipada	4	489.60	489.60
Total area of the Raipada Cutting Series					2535.71 ha
JARAU EAST CUTTING SERIES					
Year	Coupe Number	Block	Compartment Number	Coupe Area (Ha)	Remarks
2014-15 2018-19 2022-23	C	Badagada - A	9, 10 & 11	900.00	900.00
2015-16 2019-20 2023-24	D	Badagada - A	12, 13 & 14	900.00	900.00
2016-17 2020-21	A	Badagada - A	3, 4, 5 & 6	1405.00	1405.00
2017-18 2021-22	B	Badagada - A	1, 2, 7 & 8	1000.00	1000.00
Total area of the Jarau East Cutting Series					4205.00 ha
JARAU WEST CUTTING SERIES					
Year	Coupe Number	Block	Compartment Number	Coupe Area (Ha)	Remarks
2014-15 2018-19 2022-23	C	Badagada - A	18, 19 & 20	1600.00	1600.00
2015-16 2019-20 2023-24	D	Badagada - A	15, 16 & 17	1500.00	1500.00
2016-17 2020-21	A	Badagada - A & Srirampalli	21 & 1	945.00	945.00
2017-18	B	Badagada - A	22, 23, 24 & 25	1195.00	1195.00

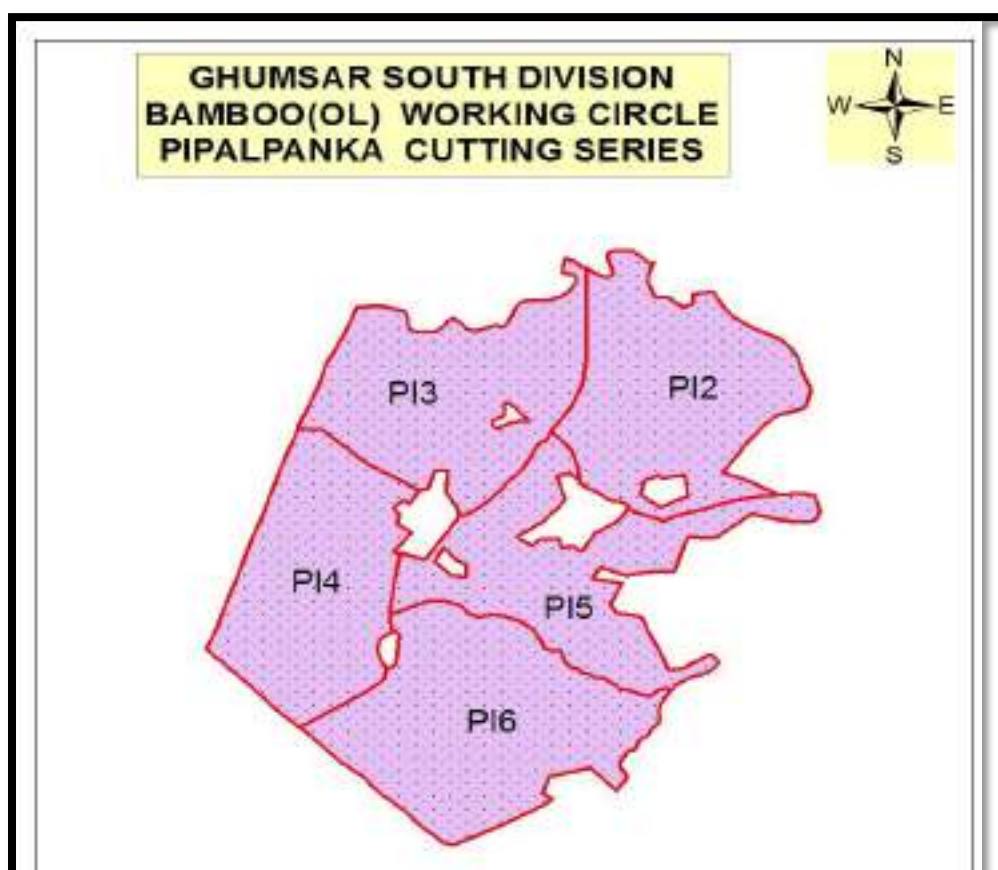
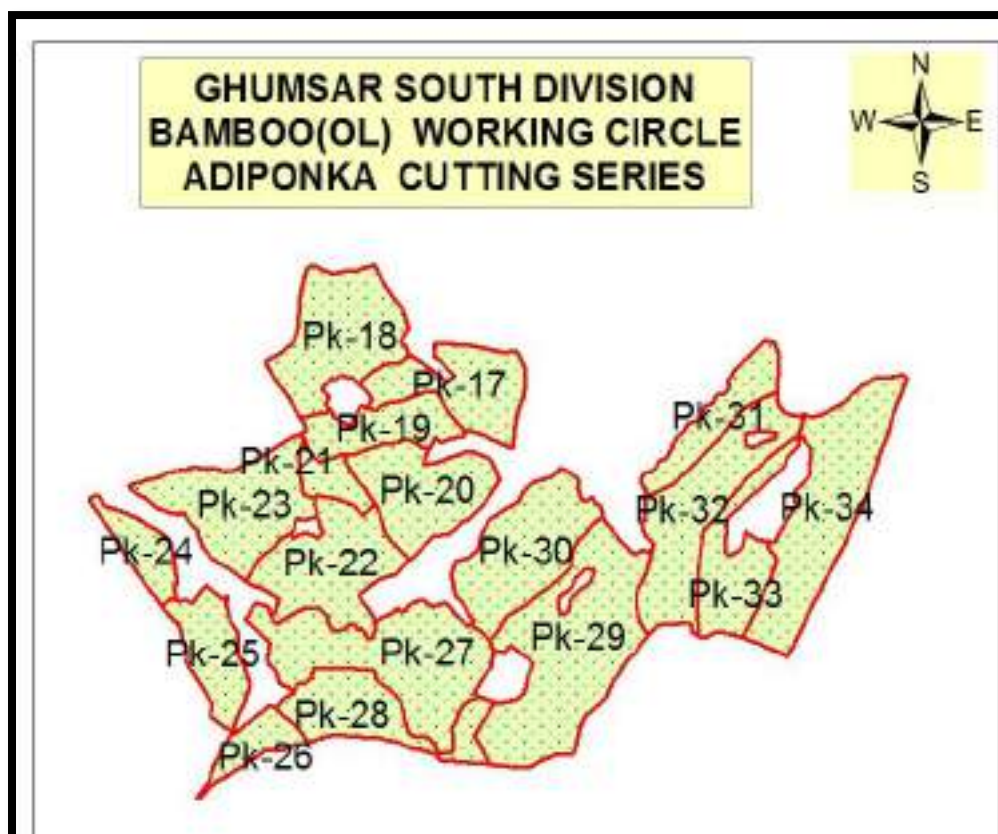
2021-22					
Total area of the Jarau West Cutting Series					5240.00 ha
LEMBAKUMPA CUTTING SERIES					
Year	Coupe Number	Block	Compartment Number	Coupe Area (Ha)	Remarks
2014-15 2018-19 2022-23	C	Badagada - B	5, 9 & 10	535.00	535.00
2015-16 2019-20 2023-24	D	Badagada - B	6 & 8	1015.00	1015.00
2016-17 2020-21	A	Badagada - B	1 & 7	1210.00	1210.00
2017-18 2021-22	B	Badagada - B	2, 3 & 4	795.00	795.00
Total area of the Lembakumpa Cutting Series					3555.00 ha
KRIAMBA CUTTING SERIES					
Year	Coupe Number	Block	Compartment Number	Coupe Area (Ha)	Remarks
2014-15 2018-19 2022-23	A	Kriamba	5 & 6	1471.39	1471.39
2015-16 2019-20 2023-24	B	Kriamba	4	959.71	959.71
2016-17 2020-21	C	Kriamba	7	858.22	858.22
2017-18 2021-22	D	Kriamba	8 & 9	963.97	963.97
Total area of the Kriamba Cutting Series					4253.29 ha
KARCHULI CUTTING SERIES					
Year	Coupe Number	Block	Compartment Number	Coupe Area (Ha)	Remarks
2014-15 2018-19 2022-23	A	Kriamba	1, 2 & 3	1627.91	1627.91
2015-16 2019-20 2023-24	B	Karchuli - A	1 & 2	1036.98	1036.98
2016-17 2020-21	C	Karchuli - A	3	533.09	533.09
2017-18 2021-22	D	Karchuli - B	1	354.66	354.66
Total area of the Karchuli Cutting Series					3552.64 ha

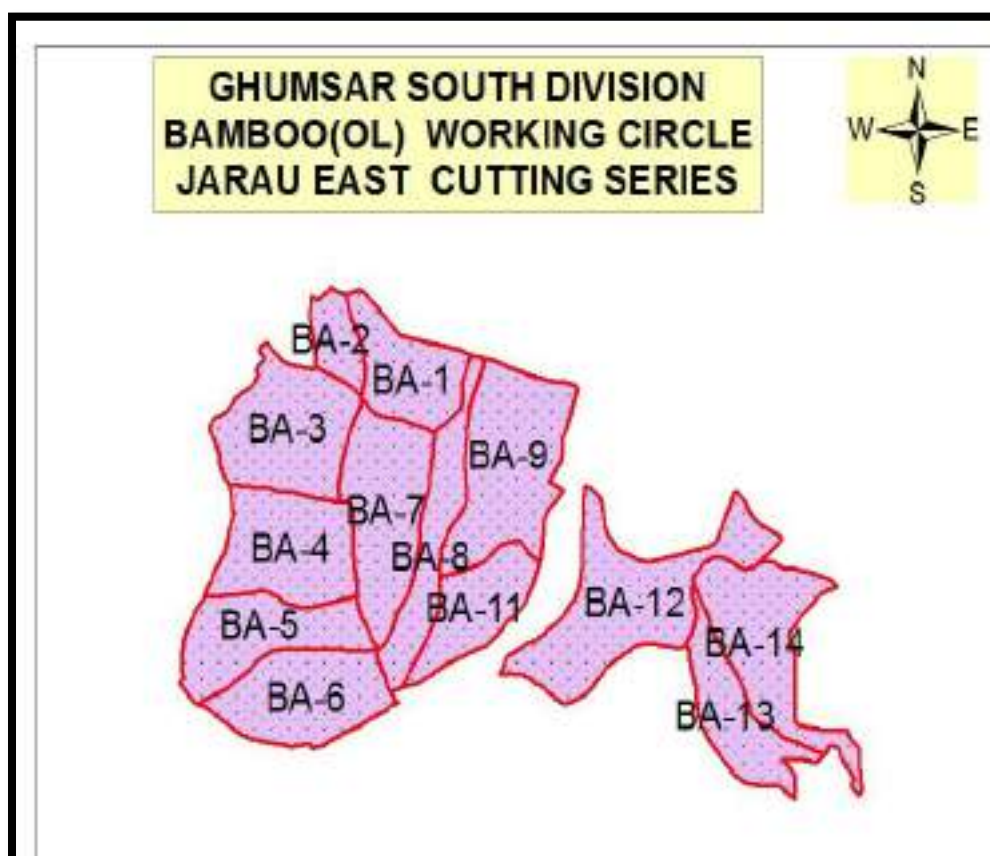
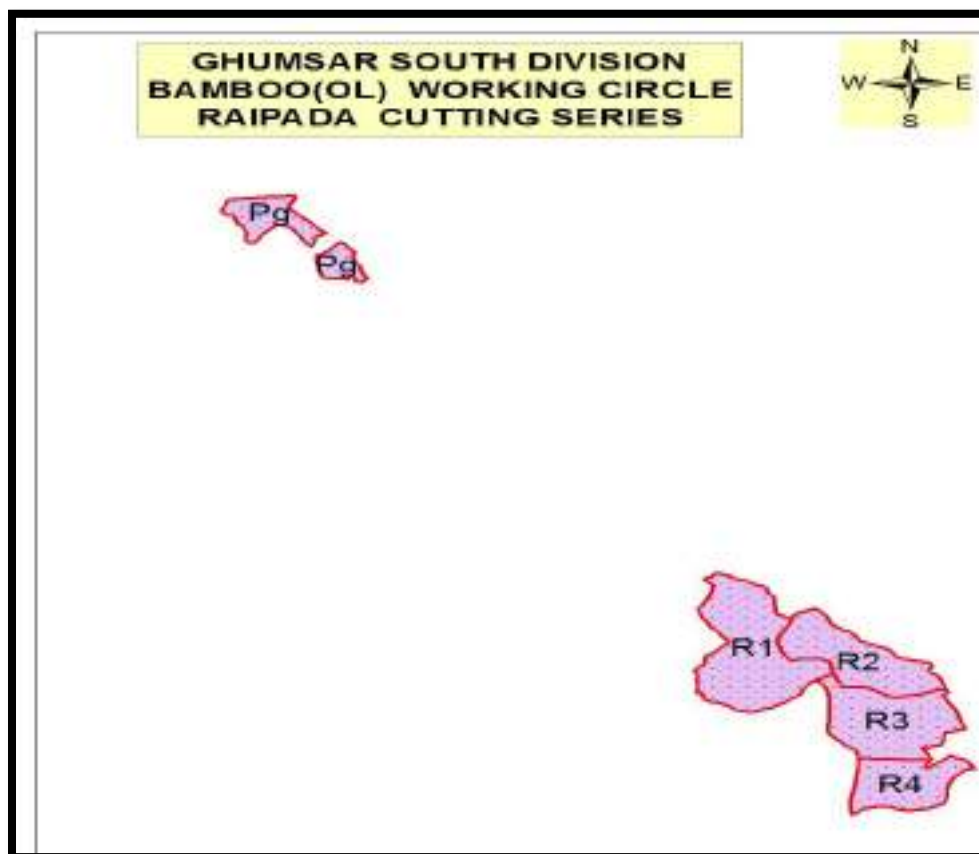
JHIRJHIRA CUTTING SERIES					
Year	Coupe Number	Block	Compartment Number	Coupe Area (Ha)	Remarks
2014-15 2018-19 2022-23	C	Badagada - C	2, 4 & 23	975.00	975.00
2015-16 2019-20 2023-24	D	Badagada - C	6, 11 & 12	1175.00	1175.00
2016-17 2020-21	A	Badagada - C	1, 3 & 8	830.00	830.00
2017-18 2021-22	B	Badagada - C	7, 9 & 10	1640.00	1640.00
Total area of the Jhirjhira Cutting Series					4620.00 ha
BHALLIAGUDA CUTTING SERIES					
Year	Coupe Number	Block	Compartment Number	Coupe Area (Ha)	Remarks
2014-15 2018-19 2022-23	C	Badagada - C	18, 19, 20, 27 & 28	1885.00	1885.00
2015-16 2019-20 2023-24	D	Badagada - C	21, 22, 25 & 26	1625.00	1625.00
2016-17 2020-21	A	Badagada - C	5, 13 & 14	1225.00	1225.00
2017-18 2021-22	B	Badagada - C	15, 16 & 17	1095.00	1095.00
Total area of the Bhalliguda Cutting Series					5830.00 ha
NADIAMBA CUTTING SERIES					
Year	Coupe Number	Block	Compartment Number	Coupe Area (Ha)	Remarks
2014-15 2018-19 2022-23	C	Pandripada	8, 9, 10, & 11	1420.00	1420.00
2015-16 2019-20 2023-24	D	Pandripada	12, 13, 14 & 15	1450.00	1450.00
2016-17 2020-21	A	Pandripada	1, 2, 3 & 4	1335.00	1335.00
2017-18 2021-22	B	Pandripada	5, 6 & 7	1600.00	1600.00
Total area of the Nadiamba Cutting Series					5805.00 ha

JOKABANDHA CUTTING SERIES					
Year	Coupe Number	Block	Compartment Number	Coupe Area (Ha)	Remarks
2014-15 2018-19 2022-23	C	Pandripada	19, 21, 22, 24 & 25	1460.00	1460.00
2015-16 2019-20 2023-24	D	Pandripada	16, 17, 18, 20 & 23	1710.00	1710.00
2016-17 2020-21	A	Pandripada	35, 36 & 37	1235.00	1235.00
2017-18 2021-22	B	Pandripada	30, 31, 32, 33 & 34	1375.00	1375.00
Total area of the Jokabandha Cutting Series					5780.00 ha
GOUDAGOTHA CUTTING SERIES					
Year	Coupe Number	Block	Compartment Number	Coupe Area (Ha)	Remarks
2014-15 2018-19 2022-23	A	Goudagotha	8,9,10	1060.0	1060.0
2015-16 2019-20 2023-24	B	Goudagotha	5,7	892.50	892.50
2016-17 2020-21	C	Goudagotha	2,3,4,6	1377.50	1377.50
2017-18 2021-22	D	Goudagotha	11,12,13	1032.50	1032.50
Total area of the Goudagotha Cutting Series					4362.50
MERIKOTE CUTTING SERIES					
Year	Coupe Number	Block	Compartment Number	Coupe Area (Ha)	Remarks
2014-15 2018-19 2022-23		Merikote	6,7,8,9	1907.0	2071.125
		Mahisakhata	2(p)	164.125	
2015-16 2019-20 2023-24		Merikote	4,5	961.0	1125.125
		Mahisakhata	2(balance)	164.125	
2016-17 2020-21		Merikote	1,3	1154.74	1289.74
		Mahisakhata	1(p)	135.0	
2017-18 2021-22		Merikote	2	435.50	570.50
		Mahisakhata	1(Balance)	135.0	
Total area of the Merikote Cutting Series					5056.49
Grand Total:					72308.84

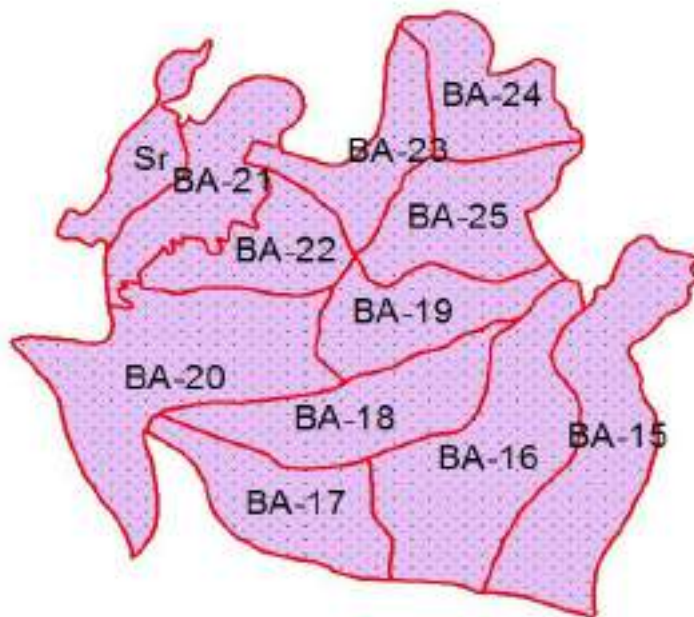
NB:- The prescription of working plan of Parlakhemundi Division shall be operative for 2014-15 and 2015-16 in A and B coupes of Goudagotha and Mahishakhata cutting series.



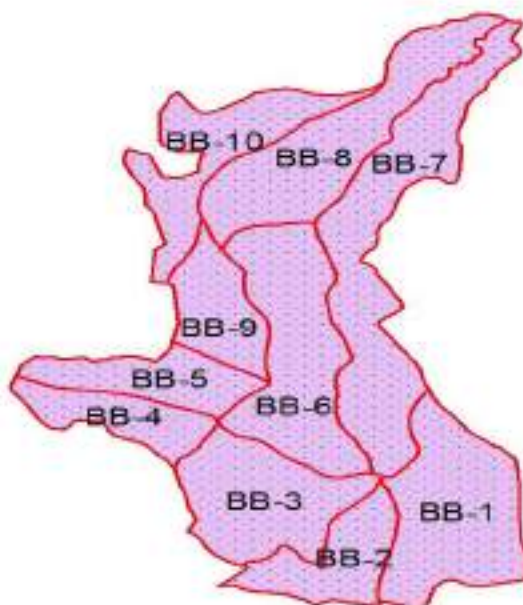


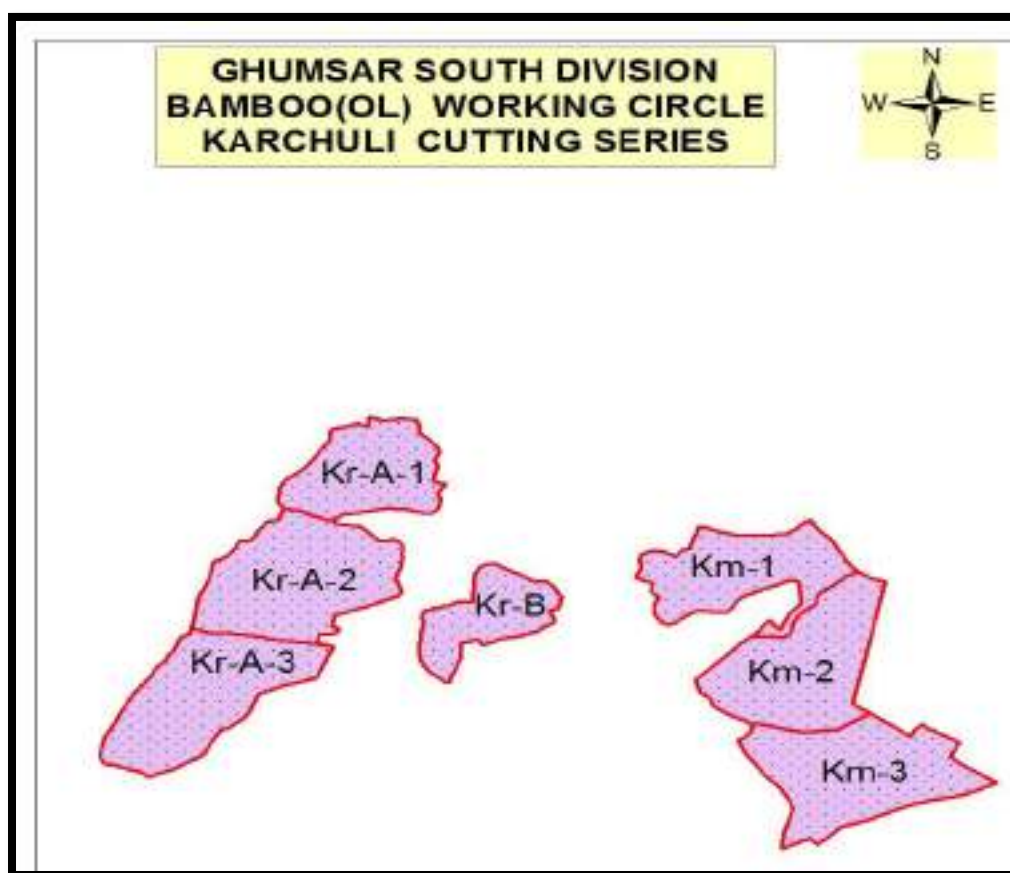
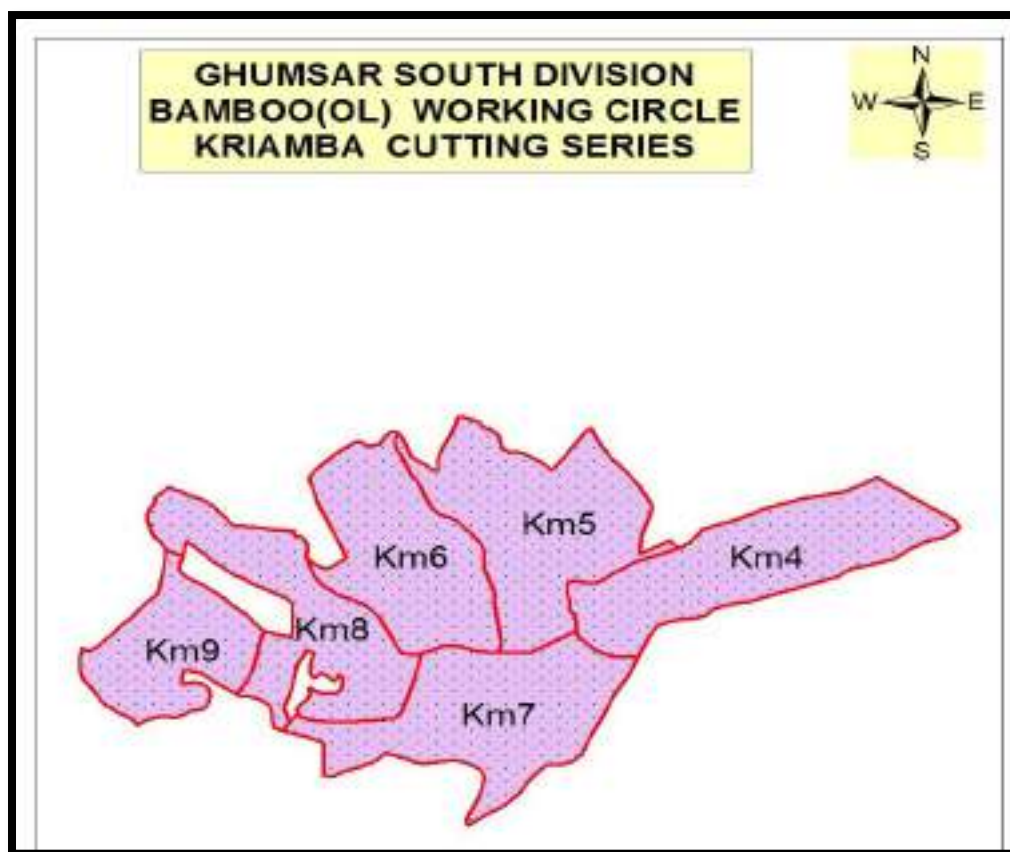


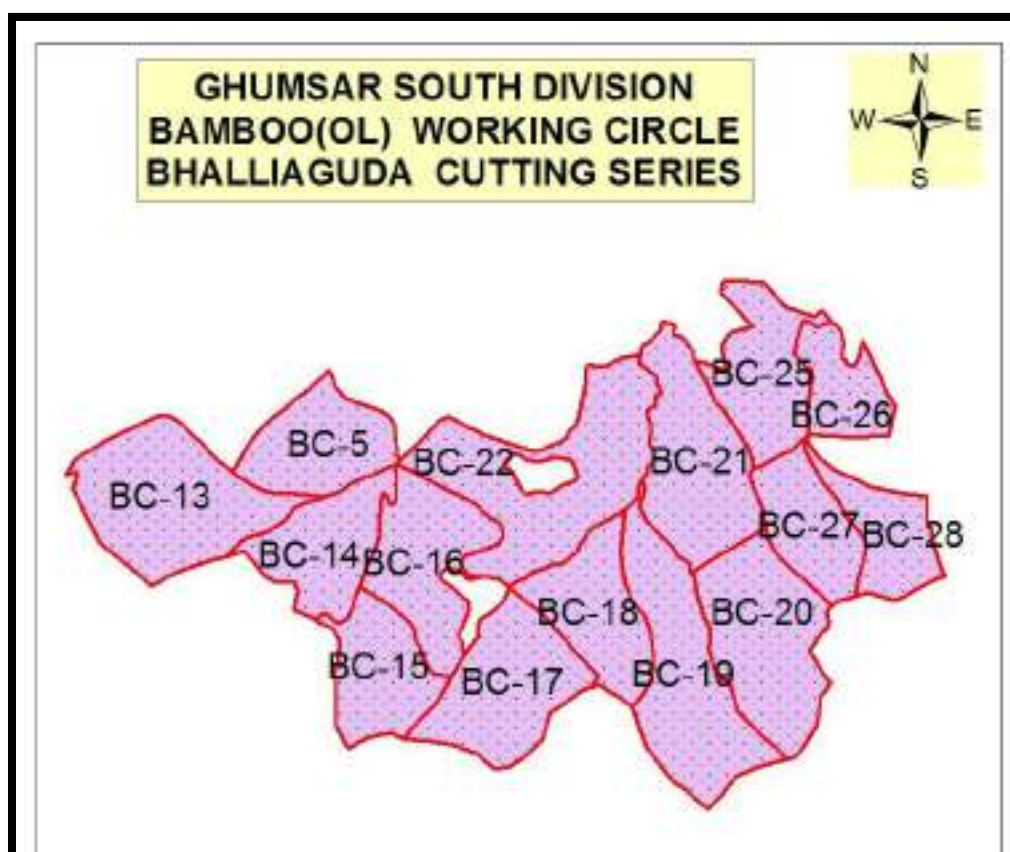
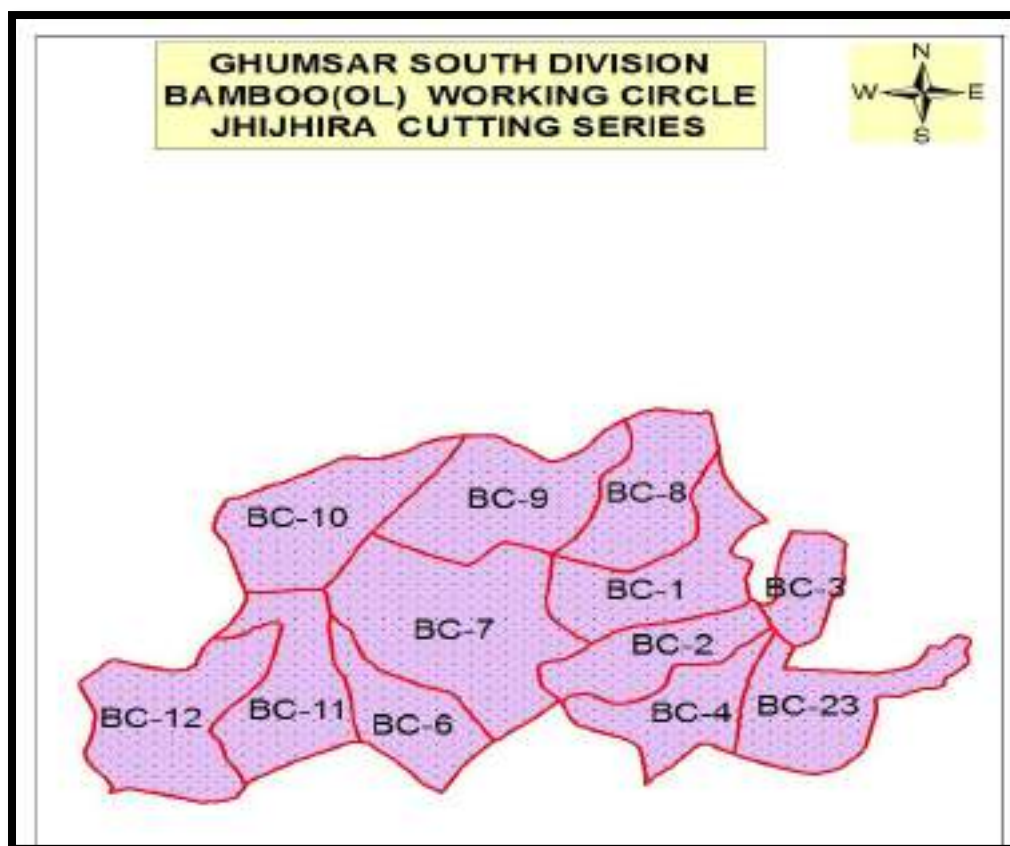
**GHUMSAR SOUTH DIVISION
BAMBOO(OL) WORKING CIRCLE
JARAU WEST CUTTING SERIES**



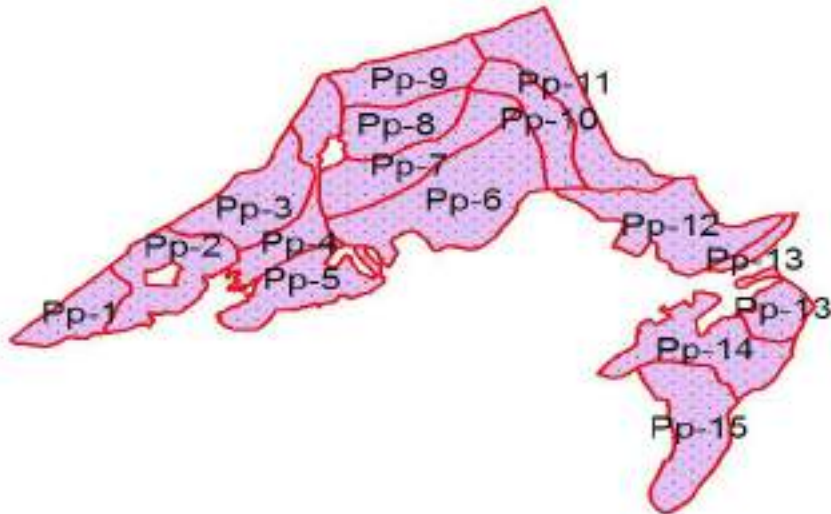
**GHUMSAR SOUTH DIVISION
BAMBOO(OL) WORKING CIRCLE
LEMBAKUMPA CUTTING SERIES**



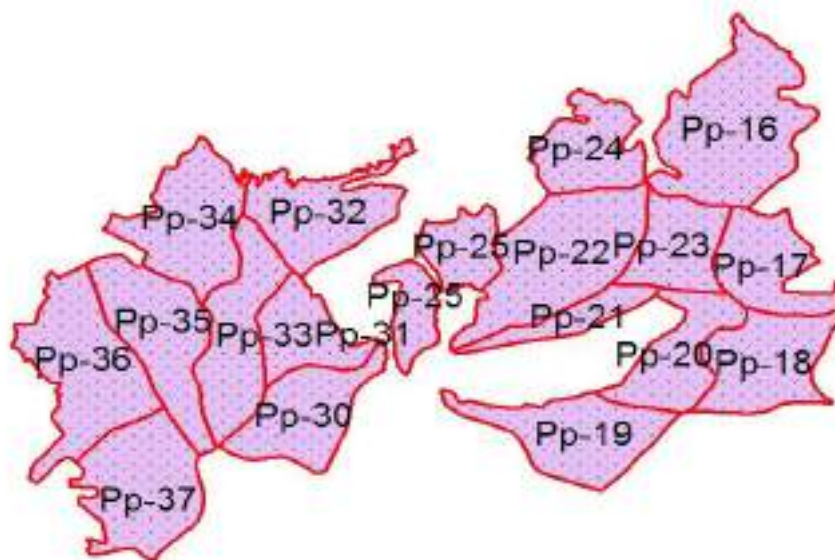


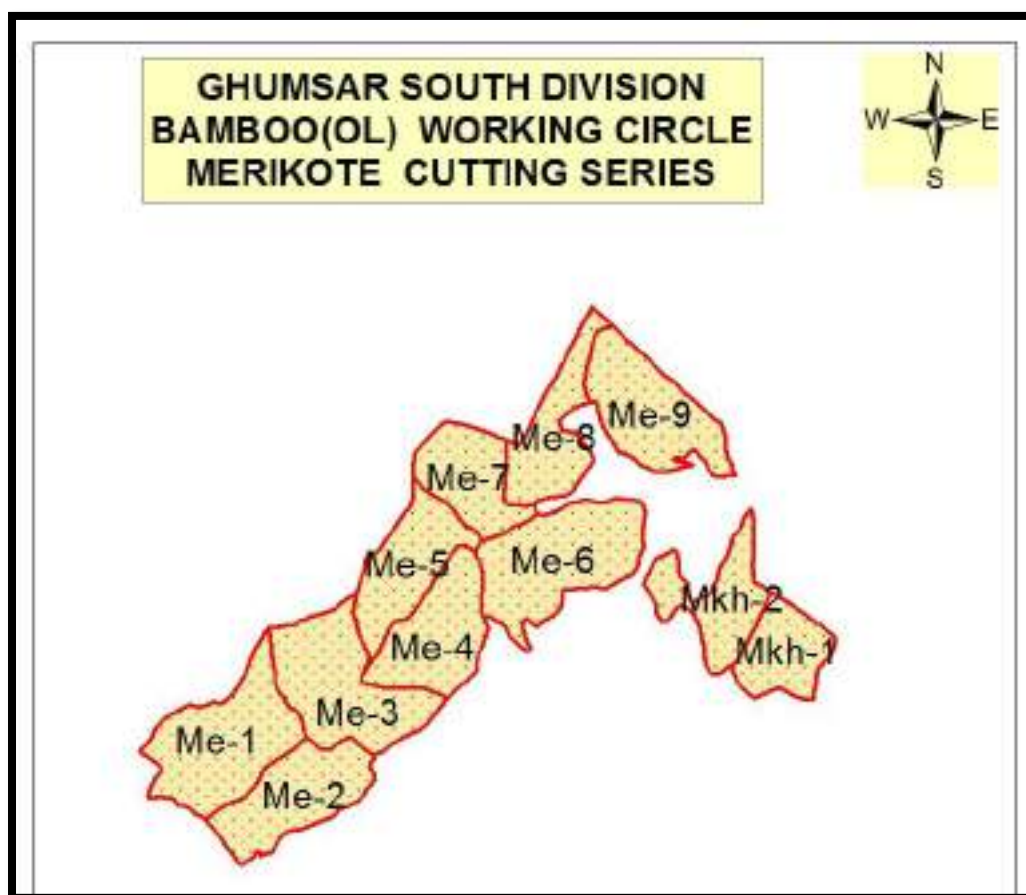
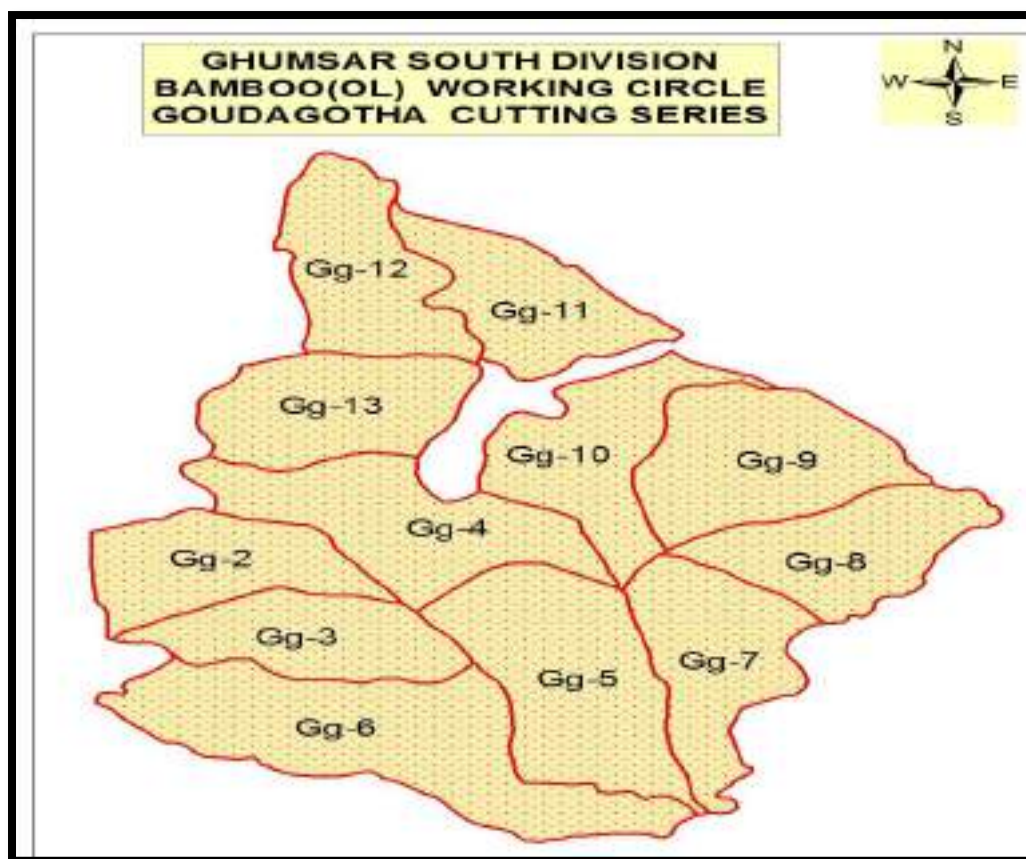


**GHUMSAR SOUTH DIVISION
BAMBOO(OL) WORKING CIRCLE
NADIAMBA CUTTING SERIES**



**GHUMSAR SOUTH DIVISION
BAMBOO(OL) WORKING CIRCLE
JOKABANDHA CUTTING SERIES**





6.10 METHOD OF EXECUTION OF OPERATION

6.10.1 Demarcation of annual coupes: Bamboo coupes shall be demarcated by giving double coal-tar rings at the breast height of all the trees standing on the coupe lines, which are distinctly visible from each other. Similarly single coal tar ring will show the section line. The signboard should contain the name of the cutting series, the sequence of the coupe, its area, year of working and compartment number. (Example: B.W.C., Pandakhhol C.S., C/B, 441.33 ha, 2015-16, Compartment No. 3). Bamboo coupes have already been shown on management maps. The coupe boundaries are kept co-terminus with compartment lines so that the demarcation of coupes is not difficult.

6.10.2 Execution of Operations: The State Government decides the agency for working of bamboo, as it is a nationalized forest produce. At present the Orissa Forest Development Corporation Ltd. is the agent of Government to work out bamboo coupes through the Raw Material Procurer (RMP) on their behalf.

6.10.3 Paper industries have reduced their requirement of bamboo as the cost of bamboo working has gone up substantially and it becomes uneconomic as compared to the market price of bamboo. Due to this the Paper mills have shifted to procure their raw materials from other softwood and pulpwood plantation such as casuarina, acacia, chakunda etc. Therefore, alternative arrangements are required to be made for disposal of bamboo or the royalty of bamboo could be reduced so that the paper mills take interest in working of bamboo from the forests.

6.10.4 Estimation of the yield for fixation of target: Outturn from a coupe is variable as annual production is dependent upon factors like past working, illicit removal of Karadi, flowering of clumps, incidence of fire and other factors. Basing on the clump quality, treatment type as well as enumeration by stratified sampling, the estimated yield (target) shall be arrived at by the DFO, before coupe working. This work should start by June-July and completed by August for the coupe due for working so that new Karadis are also taken into account.

6.11 TREATMENT MAPS

(i) Having completed the demarcation of bamboo coupes and before taking it up for working, a Treatment map will be prepared by the Agency for working on a copy of the management map in 1: 50,000 scale indicating salia and saba bamboo areas respectively.

(ii) Treatment types should be distinguished based on the assessment of the standard salia bamboo quality classes and actual clump condition. In both these cases areas less than 4 ha in extent will not be separated out as distinct treatment types.

(iii) Treatment types of salia bamboos: The following Treatment types have been identified for salia bamboo areas. Salia bamboo forest will be categorized for different treatment as described below.

Treatment type ‘A’

Area with healthy and well stocked bamboo clumps consisting of

Clump quality - I Where culm height of bamboos is 9 meters and up

Clump quality - II Where culm height of bamboo is between 6 to 9 meters

Clump quality - III Where culm height of bamboos is below 6 meters

Treatment type ‘B’

Areas with well stocked but degraded, damaged, congested and / or fire burnt clumps.

Treatment Type ‘C’

Areas where in bamboo clumps are sparse and scattered. If necessary the treatment Type B & C may be further classified into the above three clump quality classes if good growth is there.

6.12 CUTTING RULES FOR SALIA BAMBOOS (*Dendrocalamus strictus*)

Salia bamboo (*Dendrocalamus strictus*) will be worked out as per the following prescriptions.

P A R T – I

Rules which are uniformly applicable to all the treatment types:

- (i) Karadi (culm up to one year of age) and the bamboo culm over one year but under two years of age will not be cut under any circumstances. The number

of culms which are older than 2 years but less than 3 years are to be retained in the clump and their number should not be less than number of Karadies. The minimum number of culms to be retained in a clump is fixed on the basis of quality of the clump and is as follow:-

Clump Quality - I 20 culms

Clump Quality - II 15 culms

Clump Quality - III 10 culms

- (ii) Clumps having the minimum or less than the minimum prescribed number of culms shall not be commercially exploited. Only broken, dead, dry, badly damaged and malformed bamboos will be felled.
- (iii) A clump will be distinguished as an independent clump where it's periphery is easily discernible from others. Only where such a distinction is not possible, two clumps within one meter distance will be regarded as one.
- (iv) While retaining culm against felling in a clump they should remain well spaced and preferable at the periphery and in the order of preference as follows :-
 - (a) Karadi bamboos.
 - (b) Kasi bamboos (older than one year but less than 2 years).
 - (c) Pakala bamboo (Young green bamboos).
 - (d) Older live bamboos.
 - (e) Others as may be available.
- (v) Rhizomes will not be dug.
- (vi) The height above which culms are cut shall not be less than 15 cm or more than 45 cm from the ground level and in no case below the first prominent node from the ground.
- (vii) The cut shall be made with sharp instrument to ensure that the stump remains intact without splitting.
- (viii) Lops and tops of bamboos will be simultaneously cleared to avoid fire hazard at least to a distance of one meter away from the periphery of the worked out clumps.
- (ix) Climbers shall be cut from all the bamboo clumps during working of the coupe.

- (x) Bamboo strips can be used in making bamboo bundles, if these are obtained from the waste and only when their removal helps reduce fire hazard, otherwise these will not be used for tying the bamboo bundles.
- (xi) As far as possible, bamboo felling should be completed by the end of May. Bamboo felling will not be done from 1st July to 30th September each year. However, all fellings and transport of bamboos in the sanctuaries shall be completed by the end of March positively.
- (xii) If sporadic flowering of bamboo culms is observed, such clumps will be clear felled once the seeds from such culms have fallen.
- (xiii) In case of gregarious flowering of bamboos, on the shedding of ripen seeds, the clumps will be clearfelled and extracted early, so that bamboos may not dry or deteriorate or become prone to fire hazard. Disposal of such bamboos should be expeditiously arranged to prevent deterioration in quality and the prescribed treatment as mentioned below shall be adopted in the gregariously flowering areas.
- (xiv) Lopping of bamboo either for feeding livestock or otherwise is strictly prohibited.
- (xv) Bamboo forests should be rigidly protected from fire and it has to be ensured that, in any case, forest fire should not occur during the year of working and the year following it.

P A R T – II

Rules applicable to specific treatment types:

(a) Treatment type - A

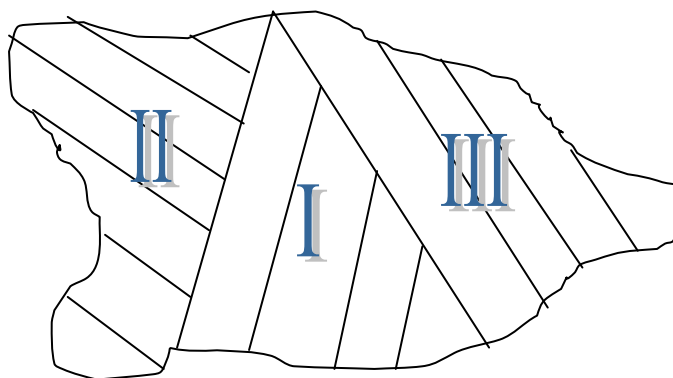
1. Commercial felling will be done in those clumps, which have more than the prescribed minimum number of culms in each.
2. Cultural operations will be carried out in clumps having less than the prescribed minimum number of culms in each. In such clumps commercial fellings will not be done.

(b) Treatment type - B

1. There will be no commercial felling in any clump.
2. Only cultural operations will be carried out which will include:

- (i) Felling of all dead, dried, over matured, burnt, broken and grossly damaged bamboos.
- (ii) Broken or cut bamboos or high stumps in green condition having length of 2.5 meters or more may be retained, if necessary, to maintain size of the clumps.
- (iii) The minimum number of culms to be retained per clump as prescribed in foregoing paras for various quality classes may not be strictly followed. It is left to the DFO to decide the no of culms to be retained in a clump after field verification.
- (iv) The congested bamboo clumps should be clear felled by forming segments. The maximum number of segment under which a congested clump should be worked out, will be three and at each working not more than one segment will be worked out. Where three segments are formed, the middle segment will be in the shape of a triangle having apex at the periphery. Only this middle segment should be felled at the first working. In subsequent cycles, sides segments should be felled.

Diagram showing divisions of the clump in these segments is given below: -



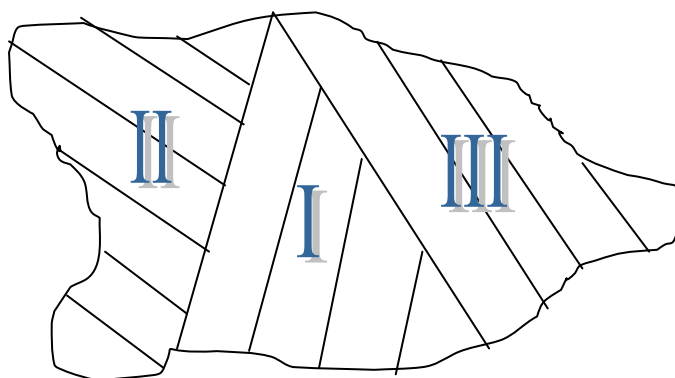
(c) Treatment type - C

1. Only cultural operations will be carried out in the existing bamboos clumps.
2. The bamboo potentiality of such forests will be augmented by raising bamboo plantation. The minimum area to be planted annually is left to the DFO to decide depending on the resources available.
3. Tending and cultural operations in the areas planted with bamboo will be done as per the standard practice.

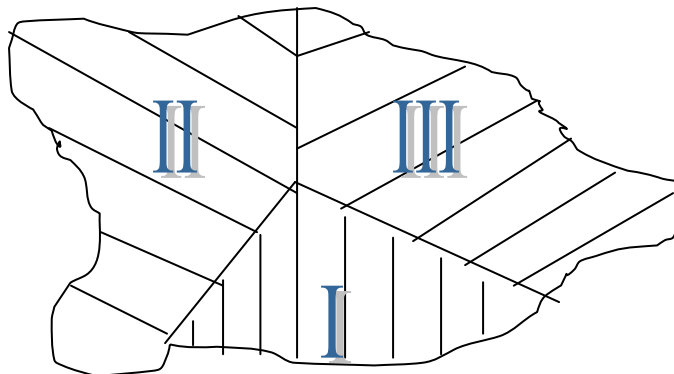
(d) **CUTTING RULES FOR DABA BAMBOOS (*Bambusa arundinacea*)**

- (a) All bamboo culms in a clump, which are more than 3 years old, shall be harvested on culm selection basis provided the number of culms left uniformly distributed in a clump shall not be less than 10.
- (b) In case of congested clumps where culm selection is not possible, the clump should be carefully felled by forming segments as per any of the two diagrams given below and depending on the interlacing of the bamboo with a view to provide support to the remaining segments against wind damage. The maximum number of segments under which a congested clump should be worked out will be three and at each working not more than one segment will be cut. Stumps higher than 50 cm or more than two internodes should be cut. Where three segments are formed, the middle segment (I) will be in the shape of triangle. Only the middle segment (I) should be felled at the first working. Two diagrams showing divisions of the clump in three segments are given below: -

First preference



Second preference



6.13 SIMULTANEOUS SILVICULTURAL OPERATIONS

6.13.1 Since productivity of the bamboo forest depends on proper and timely silvicultural operations, it should be ensured to carry out such operations during / or immediately after the year of actual harvest. Even the early stage established natural regeneration shall also be taken care of at the time of silvicultural operations so as to add to the future crop of the bamboo forests. These operations shall preferably be done along with the main cutting and comprise of the following components.

- i. All cutting debris shall be removed and the clump shall be left cleaned.
- ii. If any clump has not been cleaned at the time of felling, such clumps shall also be attended to thorough pruning in addition to the climber cutting. If any high stumps have been left, those shall also be rectified
- iii. The exposed rhizomes shall be covered with soil scrapped from the uphill side on undulating terrain. Where ever necessary stone wall shall also be erected on the down hill side to support the soil so that the clump stabilizes. This shall be concentrated mainly in steep slope areas. However in the process care should be taken to ensure that no damage is done to the rhizomes and rootstock.
- iv. As a moisture conservation measure, half-moon trenching shall also be dug on the uphill side of the clump in concave shape.

6.14 TREATMENT OF GREGARIOUSLY FLOWERED AREAS

- (i) There is no record of gregarious flowering below in the forest of Ghumsur (South) Division. The instances of flowering in poor sites is due to the effect of site quality, which is related to the growth and storage of starch, sugar and other substances in the clump, which help flowering. In a well managed forest, intensity of flowering is less in comparison to a unworked forest consisting congested clumps. Intensity of flowering is more in area having more biotic interference in form of grazing and fire in comparison to protected area. However, in the event of such a situation the following prescription are made.
 - (i) Bamboo seedlings at a spacement of about 4m x 4m are to be adopted and retained and the rest are to be thinned out.
 - (ii) Clearing, soil working and weeding are to be done around the adopted bamboo seedlings up to a radius of 50 cm.

- (iii) To maintain continuity, planting of bamboo rhizomes is also to be resorted to especially in big gaps.
- (iv) All the flowered clumps are to be worked out as per the prescriptions of the Working Plan.
- (vi) The area should be closed for grazing.
- (vii) Elaborate fire protection measures are also to be taken.

It is important to identify the characters of flowering in salia bamboo to decide appropriate management technique in **Table No. 6.3**.

Table No. 6.3: Characters of flowering in Salia Bamboo

Sl.	Sporadic flowering	Gregarious Flowering
1.	Scattered nature of flowering. Only few clumps are involved in flowering.	Flowering occurs almost in the entire area.
2.	Only a few culms flower in a clump.	It involves almost all or some proportion of clumps. Flowering takes place in all the culms in the clump.
3.	The culm may or may not die after flowering.	All the culms of a clump die after flowering.
4.	The clump does not die.	Flowering is followed by the death of the clump.
5.	It takes place usually irregularly almost every alternate year.	It follows a cycle of long interval of 20 to 65 years.
6.		It progresses in a definite direction like an epidemic wave.
7.		It takes 2 to 4 years to complete the flowering in the area.

Threats to Bamboo Forest

The main threats to the management of bamboo forest are:

- i. Indiscriminate cutting of bamboo by tenants and artisans;
- ii. Annual forest fire;
- iii. Excessive grazing and
- iv. Clear felling of daba bamboo.

These factors are required to be checked in one hand and techniques are to be developed to improve the quality and quantity of the clumps in other hand to avoid deterioration of bamboo forests. Decreasing trend in production of bamboo has already indicated the deterioration of bamboo forest. Appropriate silvicultural techniques to manage

the bamboo forest will, therefore, be essential in restoring the valuable bamboo forest of the Division.

6.15 DISTINGUISHING MORPHOLOGICAL CHARACTERS OF THE CULMS OF DIFFERENT AGE

The different types of bamboo are identified from their morphological characters in **Table No. 6.4.**

Culm age	Morphological character
Kardi (The first year culm)	Culm sheath present on lower half of culm. Branches present through-out the length of culm. Culms green uniformly, bloom is abundantly present and comes off easily on finger. A fresh cut just under the node shows the same fresh colouration even after one or two minutes.
Kasi (The 2nd year culm)	Culm sheath mostly absent except some reminisces. Culm dark in colour. Branches present particularly at all nodes. Bloom is patchy, greyish white in colour and comes off less easily on finger. A fresh cut just under the node shows the same fresh colouration even after one or two minutes.
Pakala (The 3rd & 4th year culm)	Culm sheath absent. White bloom absent. Blackish grey or dark blotches appear which come off on finger slightly on rubbing. A reddish brown colouration after one or two minutes.

6.16 CONTROL

6.16.1 Necessary entries with regard to works undertaken in bamboo coupes must be entered in the compartment histories.

6.17 OTHER REGULATIONS

- i) Even if commercially viable bamboos are not available, SSO (Simultaneous Silvicultural Operations) should be taken up in the whole of degraded areas.
- ii) The RMP is to work the entire coupe area delivered to them. The left out (unworked) area should be taken up departmentally.
- iii) Frequent training programmes need to be conducted for enhancing capacity building of the bamboo artisans and bamboo harvesters and Departmental cutting edge personnel.

- iv) All clumps in worked out coupes shall be mounded with soil to induce regeneration growth of culms. Stone packing shall be done in the downhill of the clump to conserve water. This shall be done in the year following the coupe working.
- v) The regeneration coupe shall be protected from grazing.
- vi) Complete fire protection is recommended for the coupes already worked out.

6.18 NECESSITY FOR INTERMEDIATE REVISION

6.18.1 Intermediate revision is not anticipated. However, if necessary, prescriptions maybe reviewed after 5 years jointly by the Additional PCCF (PSM) and RCCF, Berhampur. Any deviations suggested shall be subjected to the sanction of the competent authority.

CHAPTER -VII

NTFP (OVERLAPPING) WORKING CIRCLE

7.1 GENERAL CONSTITUTION

7.1.1 The forests of Ghumsur South Forest Division contain large number of species which yield variety of Non-Timber Forest Products (NTFP) derived from different parts of the plant such as roots, seeds, stems, leaves, flowers and gums. The people living in and around the forests usually collect these products for their own consumption and for sale to supplement their earning. Such people of forest fringe villages rely on NTFPs as a crucial component of their livelihood security.

7.1.2 In the last few decades the demand for various NTFPs as raw material for many industries like herbal cosmetics, ayurvedic drugs and decorative dyes etc has increased many fold. This huge demand for a few varieties of NTFPs has resulted in unsustainable and destructive exploitation of these resources by the primary collectors supported from behind by unscrupulous traders and middlemen. Continued exploitation in this manner will endanger the resource itself. Overexploitation, often unscientifically, is further aggravated by excessive grazing, illegal felling of trees, frequent forest fires, invasion of weeds which in many cases leads to loss of natural regeneration of these species in the forest.

7.1.3 The non-availability of these NTFP in large quantities, exploitation of the primary collectors by agents and middle men and the adulteration of the NTFP product has resulted in the increased interest in NTFPs amongst all stake holders. This has prompted numerous initiatives aimed at promoting NTFPs use, value addition and commercialization as a means of improving the well being of rural populations and at the same time, conserving the existing forests. For the non-availability of the NTFP species and their rampant exploitation by the primary collectors, the MoEF, Govt. of India has expressed concern and issued instruction for the sustainable management of NTFPs. Keeping in view of this consideration, the Government of Orissa formulated the *Policy on procurement and trade of Non Timber Forest Produces* during March 2000 and enactment of the *Gram Panchayat (Minor Forest Produce) Rules'2002* is a right step in this direction. This has empowered the villagers and GPs to be the absolute owners of NTFPs occurring in the forests under their jurisdiction.

With this roadmap the present Non-Timber Forest Produce working is suggested to be dealt in the working plan as an overlapping working circle spreading over the total geographical area of Ghumsur South Division. The total area allotted to this working circle is 111748.10 ha.

7.2 VEGETATION

7.2.1 The composition and diversity of the forests allotted to this working circle have been discussed in Chapter 2A of Part - I of this plan. Moreover, all the blocks allotted to this overlapping circle have again been briefly described under the respective working circles as well. The preliminary reconnaissance (inventorization of NTFP items by 0.1 Ha. plots) conducted over 339 Sample Points spreading over 05 Ranges reveals that there are around 40 currently important NTFP species available in the Forest Division.

7.3 SPECIAL OBJECTIVES OF MANAGEMENT

7.3.1 The special objectives of the management of the Non Timber Forest Produce (Overlapping) Working Circle is within the scope of the general objectives of management prescribed for the entire division. These are as follows:-

- (i) Sustainable collection, extraction and utilization of NTFPs consistent with the policy of the Government.
- (ii) Protection of NTFPs trees and of promotion of their regeneration.
- (iii) Creation of employment opportunities for the people engaged in NTFPs trade.
- (iv) Development of NTFPs based industries through value addition and providing market linkage through promotion of micro enterprise.
- (v) Involvement of people through Van Samrakshana Samiti in the various activities of NTFPs such as management procurement, processing, storage, handling, value addition and disposal.

7.4 AREA AND ALLOTMENT

7.4.1 All the forest blocks included in the plan have been allotted to this overlapping working circle. The total area included in this working circle is 111748.10 ha. Since this working circle overlaps the entire plan area, the details of area allotment to this circle has not been furnished.

7.5 ANALYSIS AND VALUATION OF CROP

7.5.1 No systematic study was ever conducted in the past to calibrate the potentiality of NTFP production, its extraction and sustainable management. A pilot project of inventorisation of NTFP species in Khordha and Nayagarh Division was done during 2010-11 by the Working Plans Officer, Bhubaneswar as per methodology devised by Dr. K. D. Singh, IFS (Retd.). Consequently, this method of inventorization was replicated in 30 Forest Divisions of the State during the year 2011 – 12. The same methodology has been adopted for the inventorisation of NTFPs in 339 Sample Points each having 0.1 ha. in five Ranges of the Division namely Aska, Badagada, Sorada, Buguda & Polsara. The data collected in the field during the said exercise, was compiled and analyzed. The compiled data of the five Ranges of the Division is presented **Table No. 7.1 & Table No. 7.2** with *Pie Chart*. The list of NTFPs traded in the Division is furnished at **Table No. 7.3**.

Table1 No. 7.1: **NTFP Species of Ghumsur (South) Division**

Sl. No.	Local Name	Botanical Name	Total No. of Species	No of STEM / 1Ha. SA	% of Composition
1	Acacia	<i>Acacia auriculiformis</i>	17	0.50	0.10
2	Achhu	<i>Morinda tinctoria</i>	152	4.48	0.87
3	Ambada	<i>Spondius pinnata</i>	8	0.24	0.05
4	Anku koli	<i>Carissa spinarum</i>	1	0.03	0.01
5	Ankula	<i>Alangium salvifolium</i>	189	5.58	1.09
6	Anla	<i>Emblica officinalis</i>	18	0.53	0.10
7	Arakha	<i>Calotropis gigentia</i>	1	0.03	0.01
8	Arguna	<i>Cycas circinalis</i>	370	10.91	2.12
9	Arjuna	<i>Terminalia arjuna</i>	13	0.38	0.07
10	Asan/Sahaja	<i>Terminalia alata</i>	612	18.05	3.51
11	Aswastha	<i>Ficus religiosa</i>	10	0.29	0.06
12	Babul	<i>Acacia nilotica</i>	9	0.27	0.05
13	Bahada	<i>Terminalia belerica</i>	63	1.86	0.36
14	Bahal	<i>Melia dubia</i>	1	0.03	0.01
15	Bandhana	<i>Desmodium oojeinensis</i>	35	1.03	0.20
16	Bara	<i>Ficus benghalensis</i>	10	0.29	0.06
17	Barada	<i>Bauhinia purpurea</i>	31	0.91	0.18
18	Barbakulia/Dhobi	<i>Delbergia paniculata</i>	90	2.65	0.52
19	Behenta	<i>Limonia acidissima</i>	77	2.27	0.44
20	Bela	<i>Aegle marmelos</i>	265	7.82	1.52
21	Bhaincha koli	<i>Flacourtia jangomos</i>	503	14.84	2.89
22	Bhalia	<i>Semecarpus anacardium</i>	471	13.89	2.70

Sl. No.	Local Name	Botanical Name	Total No. of Species	No of STEM / 1Ha. SA	% of Composition
23	Genduli	<i>Sterculia urens</i>	33	0.97	0.19
24	Bheru	<i>Chloroxylon swietiana</i>	82	2.42	0.47
25	Bhuin dimiri	<i>Ficus heterophylla</i>	13	0.38	0.07
26	Bhurkundi	<i>Hymenodictyon orixense</i>	23	0.68	0.13
27	Chakundi	<i>Cassia siamea</i>	172	5.07	0.99
28	Char	<i>Buchanania lanzan</i>	718	21.18	4.12
29	Chimeni	<i>Xylia xylocarpa</i>	3	0.09	0.02
30	Chireigudia	<i>Vitex leucoxylon</i>	15	0.44	0.09
31	Dalsingha	<i>Canthium dicoccum</i>	42	1.24	0.24
32	Dhaman	<i>Grewia tiliifolia</i>	49	1.45	0.28
33	Dhatuki	<i>Woodfordia fruticosa</i>	9	0.27	0.05
34	Dhaura	<i>Anogeissus latifolia</i>	311	9.17	1.79
35	Dimiri	<i>Ficus racemosa</i>	10	0.29	0.06
36	Eucalyptus	<i>Eucalyptus</i> sps.	1	0.03	0.01
37	Gambhari	<i>Gmelina arborea</i>	39	1.15	0.22
38	Gandha palas	<i>Milusa velutina</i>	9	0.27	0.05
39	Gangasiuli	<i>Nyctanthes arbortristis</i>	33	0.97	0.19
40	Gaurakasa	<i>Maytenus emarginatus</i>	5	0.15	0.03
41	Ghodalanjia	<i>Albizia chinensis</i>	1	0.03	0.01
42	Gila	<i>Caesalpinia digyna</i>	23	0.68	0.13
43	Giridi	<i>Casearia graveolens</i>	91	2.68	0.52
44	Giringa	<i>Pterospermum canescens</i>	24	0.71	0.14
45	Gohiria	<i>Acacia leucophloea</i>	18	0.53	0.10
46	Kanta baula/Gotha	<i>Ziziphus xylopyrus</i>	45	1.33	0.26
47	Halada/Kashi koli	<i>Diospyros montana</i>	23	0.68	0.13
48	Haldu	<i>Adina cordifolia</i>	7	0.21	0.04
49	Harida	<i>Terminalia chebula</i>	597	17.61	3.43
50	Jamun	<i>Syzigium cuminii</i>	322	9.50	1.85
51	Jari	<i>Ficus infectoria</i>	23	0.68	0.13
52	Jhadapana	<i>Actinodaphne angustifolia</i>	15	0.44	0.09
53	Kaitha	<i>Feronia limonia</i>	2	0.06	0.01
54	Kaju/Lanka bhalia	<i>Anacardium occidentale</i>	30	0.88	0.17
55	Kalchua	<i>Glochidion zeylanicum</i>	82	2.42	0.47
56	Kamala gundi	<i>Mallotus philippensis</i>	27	0.80	0.16
57	Kandhia/karuna	<i>Citrus aurantium</i>	4	0.12	0.02
58	Kansa	<i>Hymenodictyon excellsum</i>	2	0.06	0.01
59	Kapasia	<i>Kydia calycina</i>	20	0.59	0.11
60	Karada	<i>Cleistanthus collinus</i>	634	18.70	3.64
61	Karamanga	<i>Averrhoa carambola</i>	2	0.06	0.01

Sl. No.	Local Name	Botanical Name	Total No. of Species	No of STEM / 1Ha. SA	% of Composition
62	Kasi	<i>Bridelia retusa</i>	146	4.31	0.84
63	Katakala	<i>Strychnos potatorum</i>	51	1.50	0.29
64	Kataranga	<i>Gardenia latifolia</i>	18	0.53	0.10
65	Kendu	<i>Diospyros melanoxylon</i>	484	14.28	2.78
66	Khair	<i>Acacia catechu</i>	415	12.24	2.38
67	Khajuri	<i>Phoenix sylvestris</i>	2	0.06	0.01
68	Khakada	<i>Casearia elliptica</i>	54	1.59	0.31
69	Kharkhari	<i>Clerodendrum indicum</i>	4	0.12	0.02
70	Kochila	<i>Strychnos nuxvomica</i>	107	3.16	0.61
71	Kodala	<i>Sterculia villosa</i>	38	1.12	0.22
72	Kotunga/Mirga	<i>Salvadora persica</i>	241	7.11	1.38
73	Kumbhi	<i>Careya arborea</i>	81	2.39	0.47
74	Kurein/Kerunha	<i>Holarrhena antidysenterica</i>	728	21.47	4.18
75	Kuruma/Haland	<i>Haldinia cordifolia</i>	143	4.22	0.82
76	Kusuma	<i>Schleichera oleosa</i>	207	6.11	1.19
77	Lankagaba	<i>Jatropha gossypifolia</i>	1	0.03	0.01
78	Lembura moi	<i>Bursera serrata</i>	17	0.50	0.10
79	Maha nima	<i>Melia azadirachata</i>	1	0.03	0.01
80	Mahula	<i>Madhuca indica</i>	367	10.83	2.11
81	Mai/Indramahi	<i>Lannea coromandelica</i>	703	20.74	4.04
82	Mankada kendu	<i>Diospyros malabarica</i>	2	0.06	0.01
83	Mundi/Mitikinia	<i>Mitragyna parvifolia</i>	71	2.09	0.41
84	Mundika	<i>Walsura trifoliata</i>	2	0.06	0.01
85	Neem	<i>Azadirachta indica</i>	42	1.24	0.24
86	Nunu nunia	<i>Antidesma acidum</i>	92	2.71	0.53
87	Paladhua/Manjari	<i>Erythrina variegata</i>	31	0.91	0.18
88	Palasa	<i>Butea monosperma</i>	31	0.91	0.18
89	Patuli	<i>Stereospermum chelonoides</i>	32	0.94	0.18
90	Phanphana	<i>Oroxylum indicum</i>	2	0.06	0.01
91	Piasal	<i>Pterocarpus marsupium</i>	345	10.18	1.98
92	Pita kerunha	<i>Holarrhena pubescens</i>	1	0.03	0.01
93	Rai	<i>Dillenia pentagyna</i>	31	0.91	0.18
94	Sahada	<i>Streblus asper</i>	107	3.16	0.61
95	Sajanapati	<i>Dalbergia lanceolaria</i>	1	0.03	0.01
96	Sal	<i>Shorea robusta</i>	4154	122.54	23.85
97	Salara	<i>Catunaregam spinosa</i>	16	0.47	0.09
98	Sidha	<i>Lagerstroemia parviflora</i>	115	3.39	0.66
99	Simili/Simul	<i>Bombax ceiba</i>	43	1.27	0.25
100	Sirisa/Tentela	<i>Albizia procera</i>	30	0.88	0.17

Sl. No.	Local Name	Botanical Name	Total No. of Species	No of STEM / 1Ha. SA	% of Composition
101	Sisoo	<i>Dalbergia sisoo</i>	206	6.08	1.18
102	Soam/Rohini	<i>Soymida fabrifuga</i>	41	1.21	0.24
103	Sunari	<i>Cassia fistula</i>	29	0.86	0.17
104	Teak	<i>Tectona grandis</i>	450	13.27	2.58
105	Telakoruanha	<i>Ixora pavetta</i>	752	22.18	4.32
106	Tentuli	<i>Tamarindus indica</i>	264	7.79	1.52
107	Thenta kusum		5	0.15	0.03
108	Tinia	<i>Albizia odoratissima</i>	26	0.77	0.15
109	Udambari	<i>Ficus amplissima</i>	1	0.03	0.01
110	Amatha	<i>Bahunia malaborica</i>	1	0.03	0.01
111	Chauli	<i>Cassine glauca</i>	22	0.65	0.13
112	Hinjala	<i>Barringtonia acutangula</i>	7	0.21	0.04
113	Kumbhirapitana	<i>Alstonia scholaris</i>	3	0.09	0.02
114	Keheli	<i>Plesmonium margaritifera</i>	5	0.15	0.03
115	Tentera	<i>Albizia odoratissima</i>	27	0.80	0.16
116	Amba	<i>Mangifera indica</i>	2	0.06	0.01
117	Barakoli	<i>Ziziphus mauritiana</i>	15	0.44	0.09
118	Chakunda	<i>Bauhinia semla</i>	1	0.03	0.01
119	Panas	<i>Artocarpus heterophyllus</i>	1	0.03	0.01
120	Panijamu	<i>Syzygium operculata</i>	4	0.12	0.02
121	Sahaja	<i>Terminalia tomentosa</i>	90	2.65	0.52
122	Salpa	<i>Caryota urens</i>	4	0.12	0.02

Table No. 7.2: NTFP (having >1% composition) of Ghumsur (South) Division

Sl. No.	Local Name	Botanical Name	Total No. of Species	No of STEM / 1Ha. SA	% of Composition
1	Sal	<i>Shorea robusta</i>	4154	122.54	23.47
2	Telakoruanha	<i>Ixora pavetta</i>	752	22.18	4.25
3	Kurein/Kerunha	<i>Holarrhena antidysenterica</i>	728	21.47	4.11
4	Char	<i>Buchanania lanzan</i>	718	21.18	4.06
5	Mai/Indramahi	<i>Lannea coromandelica</i>	703	20.74	3.97
6	Karada	<i>Cleistanthus collinus</i>	634	18.70	3.58
7	Asan/Sahaja	<i>Terminalia alata</i>	612	18.05	3.46
8	Harida	<i>Terminalia chebula</i>	597	17.61	3.37
9	Bhaincha koli	<i>Flacourtia jangomos</i>	503	14.84	2.84
10	Kendu	<i>Diospyros melanoxylon</i>	484	14.28	2.73
11	Bhalia	<i>Semecarpus anacardium</i>	471	13.89	2.66
12	Teak	<i>Tectona grandis</i>	450	13.27	2.54

Sl. No.	Local Name	Botanical Name	Total No. of Species	No of STEM / 1Ha. SA	% of Composition
13	Khair	<i>Acacia catechu</i>	415	12.24	2.34
14	Arguna	<i>Cycas circinalis</i>	370	10.91	2.09
15	Mahula	<i>Madhuca indica</i>	367	10.83	2.07
16	Piasal	<i>Pterocarpus marsupium</i>	345	10.18	1.95
17	Jamun	<i>Syzigium cuminii</i>	322	9.50	1.82
18	Dhaura	<i>Anogeissus latifolia</i>	311	9.17	1.76
19	Bela	<i>Aegle marmelos</i>	265	7.82	1.50
20	Tentuli	<i>Tamarindus indica</i>	264	7.79	1.49
21	Kotunga/Mirga	<i>Salvadora persica</i>	241	7.11	1.36
22	Kusuma	<i>Schleichera oleosa</i>	207	6.11	1.17
23	Sisoo	<i>Dalbergia sisoo</i>	206	6.08	1.16
24	Ankula	<i>Alangium salvifolium</i>	189	5.58	1.07

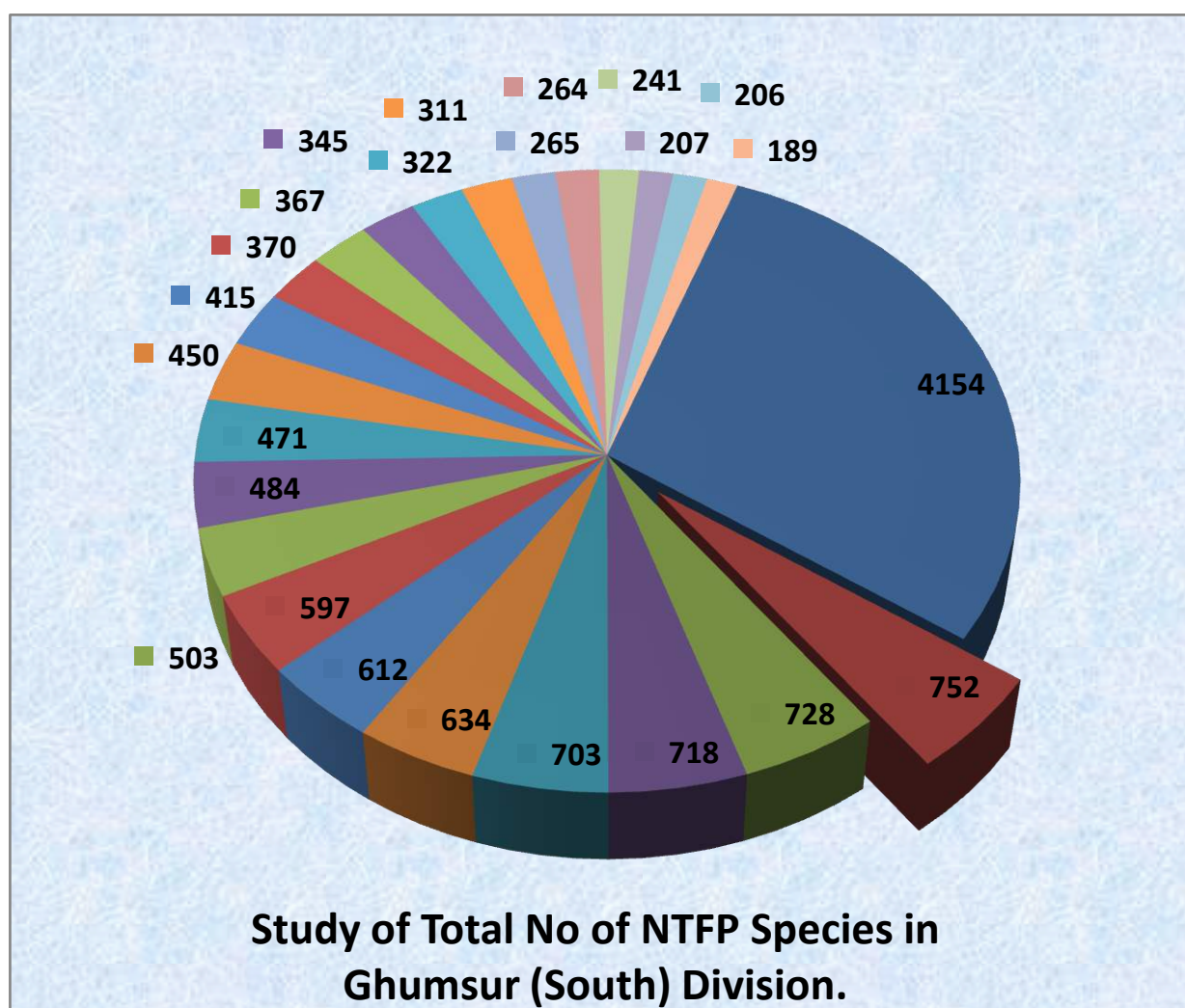


Table No. 7.3: Medicinal Plants Traded in the Division

Name of the Medicinal Plant	Price per Kg	Annual Quantity procured in Kg					Total Quantity in Kg	Total value in Rs
		Utkal Ayur.	Utkal Chemicals	National Company	Srinibas Company	Belaguntha Company		
Anla	34	0	0	300	2000	0	2300	78200
Apamaranga	3	60	42	50	0	0	152	456
Arjuna Bark	10	1000	700	100	200	0	2000	20000
Asoka Bark	4.5	0	0	1000	0	30	1030	4635
Babul Bark	4	20	14	50	1000	0	1084	4336
Babul Leaf	3	100	70	0	0	0	170	510
Badi Amla	3	500	350	20	200	0	1070	3210
Baghanakhi Fruit	3	200	140	0	0	0	340	1020
Bahada	5	0	0	200	0	0	200	1000
Baidanka	15	100	70	50	0	0	220	3300
Bajramuli	5	500	350	50	100	0	1000	5000
Bana Juani	10	100	0	30	0	0	130	1300
Bara Bark	2	50	350	0	0	0	400	800
Bara Prop Root	2	500	350	0	0	0	850	1700
Bara Root	3	500	350	50	0	0	900	2700
Barkoli Bark	10	500	350	0	0	0	850	8500
Basanga Bark	3	500	350	300	100	0	1250	3750
Basanga Leaf	3	500	350	200	0	0	1050	3150
Bela Bark	3	500	350	0	0	0	850	2550
Bela Fruit	3	500	350	100	0	0	950	2850
Bhrungaraj Leaf	2	5000	3500	1000	2000	50	11550	23100
Brahmi Leaf	2	5000	3500	1000	2000	30	11530	23060
Chereita	15	500	350	100	0	0	950	14250
Das Keranda Root	5	500	350	20	0	0	870	4350
Dengabheji	3	500	350	0	0	0	850	2550
Gandhana Bark	3	500	350	0	0	0	850	2550
Gheekuari Leaf	5	500	350	1000	0	0	1850	9250
Gokhara	3	500	350	0	300	0	1150	3450
Guluchi	2	500	350	1000	700	0	2550	5100
Harida	20	0	0	3000	0	0	3000	60000
Indrajaba	15	500	350	10	0	0	860	12900
Jamun Bark	3	200	140	0	0	0	340	1020
Kandha Tuhudi	3	1000	700	700	100	0	2500	7500
Kaphada	3	200	0	140	20	0	360	1080
Kerua Bark	3	500	350	100	100	0	1050	3150
Kesendra	3	500	350	200	300	0	1350	4050
Kheta Papada	5	200	140	50	0	0	390	1950
Kola kanda	3	200	0	140	0	0	340	1020
Krushnapurni	3	500	350	0	0	0	850	2550
Lodha Bark	15	500	350	100	500	0	1450	21750

Name of the Medicinal Plant	Price per Kg	Annual Quantity procured in Kg					Total Quantity in Kg	Total value in Rs
		Utkal Ayur.	Utkal Chemicals	National Company	Srinibas Company	Belaguntha Company		
Mango Kernal	10	20	14	10	0	0	44	440
Mugapurni	3	200	140	0	300	0	640	1920
Mundi Bark	3	200	140	0	0	0	340	1020
Mutha kanda	15	200	140	200	0	0	540	8100
Nageswar Flower	25	0	0	100	0	0	100	2500
Neem Bark	3	500	350	0	0	30	880	2640
Patuli Bark	3	500	350	0	0	0	850	2550
Pipali Root	3	500	350	50	0	0	900	2700
Posaruni Leaf	3	500	350	500	0	0	1350	4050
Puruni Root	3	500	350	0	0	0	850	2550
Salapurni	3	500	350	0	500	5	1355	4065
Satabari	5	0	0	1000	0	0	1000	5000
Talamuli Root	10	500	350	25	0	20	895	8950
Tamarind Bark	3	500	350	0	0	0	850	2550
Tamarind Fruit	2.5	500	350	0	0	0	850	2125
TOTAL ANNUAL TRANSACTION :								404757

7.6 SILVICULTURAL SYSTEM

No silvicultural system is prescribed. The aim is to sustainably manage different NTFPs and encourage their regeneration.

7.7 COLLECTION CYCLE

The cycle of collection for all the NTFPs shall be one year.

7.8 CALCULATION OF YIELD

7.8.1 No systematic data regarding collection procurement & trading of NTFP over last 15yrs are available particularly after transferring 68 NTFPs to the control of Gram Panchayats. In this context the DFO, Ghumsur (South) made several correspondences with the Distt. Administration & District Panchayat Office for collection of data as reported by the DFO vide his Memo No 2288 dtd. 24.04.2014. No study with regard to potentiality of NTFPs in the division has been undertaken as yet except for medicinal plants. OFDC had conducted a survey on marketing of NTFP during 2005-06 under funding from National Medicinal Plant Board and submitted its report but it was never published.

7.9 CALENDER OF COLLECTION OF NTFPs

The calendar of collection of few NTFPs are provided in **Table No. 7.4.**

Table No. 7.4: **Calender of Collection of NTFPs**

SI	NTFP	Collection time	SI	NTFP	Collection time
1	Kendu Leaves	February - June	24	Semul cotton	March - May
2	Sal seeds	May - June	25	Honey & Wax	January
3	Siali leaf	October - May	26	Thatch grass	January - March
4	Siali fibre	October - May	27	Khajuri patra	October - March
5	Amla	October - April	28	Sabai grass	October - April
6	Harida	November - February	29	Sunari fruit	September - April
7	Bahada	January - April	30	Tentuli	Dec. – Feb.
8	Cashew nut	April - May	31	Neem Sed	June - July
9	Char seed	April - May	32	Genduli gum	October - May
10	Mango	May - June	33	Kurei fruit	Dec. – Feb.
11	Bel	May - June	34	Hill broom	March - June
12	Marking nut	December - March	35	Khaira	October - May
13	Lac (Maghsiri)	January - February	36	Sal resin	January - April
14	Lac (Jestha)	June - July	37	Broom grass	October - May
15	Gum	October - March	38	Sisal fibre	October - May
16	Mahua Flower	April - May	39	Lemon grass	March - April
17	Mahua seed	May - June	40	Kamal gundi	February - March
18	Kusum seed	July - August	41	Ban tulsi	Nov. - March
19	Karanja seed	December - January	42	Lodha Bark	October - May
20	Kochila seed	December - January	43	Dantari Bark	October - May
21	Kendu fruits	April - May	44	Phenaphena	October - May
22	Dhatki flower	January - April	45	Mango kernel	June - July
23	Arrow root	December - January			

7.10 METHOD OF EXECUTION OF OPERATIONS

1. For those items of NTFPs which shall be auctioned, it can be done so as per policy of the State Government issued from time to time but state owned Corporations and Co-operatives like OFDC, TDCC, LAMP etc. will be given preference over others.
2. Large scale cashew plants was raised by OFDC, OPDC and afforestation wing of Forest Dept. during 1980. For harvesting the cashew nuts from the plantation, it is prescribed that the annual collection coupes are required for the cashew nut. The lot shall consist of individual plantations. Bigger plantation areas can be divided into smaller lots for ensuring better competition amongst bidders. The local Van

Samrakshana Samiti should be given preference in cashew bidding. The Divisional Forest Officer should take appropriate steps to encourage the concerned V.S.S. for their participation in the auction. This will motivate the V.S.S. to protect the cashew plantations.

3. The NTFPs items shall be collected from the trees without causing any injury to them. In case of collection of roots like that of *Rauwolfia serpentina*, the entire plant should not be uprooted. Only a portion of root may be removed.
4. The common man believes that collection of NTFP cause little or no damage to the forests. This is however not always true. The method and manner of collection of some NTFPs by the primary collectors very adversely affect forests and is often unsustainable. For example, if all seeds of a particular species or a group of species are collected from the forest floor and no seed is left for regeneration then the forests may not regenerate. This is evident in many sal forests where seed is very intensively collected. Similarly, no young mohua trees are plentifully available in many forest blocks as there is no scope for regeneration due to its seed and flower collection albeit the fact that tribals do little harm to trees like mahua to reap the harvest every year in perpetuity. Forest floors are often burnt (for purpose of cleaning) before many oil seeds like sal seed, neem seed, mahua seed, char seed etc. are collected. This practice is very harmful to forests as it destroys the regeneration and also kills micro-flora and fauna in the top layers of the soil. It further aggravates when the forests floors are swept for leaf litter and humus. This practice adversely impacts nutrient re-cycling.
5. The primary collectors should be properly guided and trained to collect NTFPs in a non-destructive way. Latest techniques of collection, drying and storage should be imparted to them. Value addition to collected NTFPs will increase their earning. Village micro enterprises based on NTFP should be encouraged. Thus intensive training and awareness workshops coupled with exposure visit to other Divisions where it has succeeded are essential to educate the primary collectors, middle men and traders.

7.11 MISCELLANEOUS REGULATIONS

- 7.11.1 Most of the NTFPs are not collected because of lack of marketing facilities. The marketing aspects of various NTFPs need to be researched. The Divisional Forest

Officer shall contact the State Cooperatives like TDCC, TRIFED and other organizations for marketing of NTFPs available in the Division. The V.S.S. and Gram Panchayats should be given information about the marketing prospects of various NTFPs. The divisional staff should play the role of facilitators in the marketing of NTFPs by acting as link between the consumers and the primary suppliers. Minimum support price for different NTFPs are to be announced by Govt. and all kinds of different sale by primary collectors to be avoided. Govt. may consider declaring bad crop year of NTFP like sal seed, mahua seed etc. as natural calamity and adequate compensation paid to the collectors by enhancing the procurement price at higher rate.

7.11.2 The district administration has to shoulder all responsibility to ensure that price fixation for procurement of NTFPs are done every year in time and regular return on NTFP collection are submitted by the traders and procurers to the Range Officers: The method of collection of several NTFPs being adopted is not scientific and sustainable. Awareness among public should be created in regard to scientific collection of NTFPs by demonstration. The V.S.S. should be involved in dissemination of these information.

7.11.3 The divisional staff should prevent the purchase of the NTFPs at lower price by middlemen. Every year Government of Orissa fixes the procurement price of the various NTFPs. This price should be widely circulated among the Gram Panchayats, V.S.S. and FPCs and with publicity given in both print & electronic media.

7.11.4 The awareness among the public regarding the value of NTFPs should be emphasized by regular meeting and use of audio visual aids.

7.11.5 Collection of NTFPs should not be allowed beyond the carrying capacity and regeneration potential of the forests.

7.12 METHODS OF TREATMENT FOR MAJOR NTFPs AND SUGGESTIONS FOR THEIR IMPROVEMENT

7.12.1 Mahua flower and Seed

- i) Mahua flower is available during April – May. Since sugar content is maximum when flowers are mature and ready to fall, the primary collectors should wait for the flowers

to fall. However, ground floor should be cleared before hand so as to get unadulterated flowers.

- ii) The ideal time for collection is the early morning when maximum flower dropping occurs. The value addition identified for mohua are grading of flowers as well as drying. Proper drying should be ensured to increase its gestation period of use. Otherwise, degradation in quality causes lowering of its price. The dried flowers having reddish colour has more market value than blackish colored flower.

7.12.2 **Sal Seed and leaves**

Sal seeds are raked from the forest floor along with litter and humus. During the process of raking, all previous year seedlings are either killed or their root systems damaged. The removal of litter and humus exposes the soil and dries up the moisture which in turn kills the micro flora and fauna. Sal growth which is dependent on mycorrhiza is adversely affected. It is therefore necessary that limited area of sal forest should be worked out at a time. Further, some quantity of the seeds should be left on the forest floor to facilitate natural regeneration. No collection shall be allowed beyond 15th June so that all the seed fall during monsoon are allowed to remain on forest floor, germinate naturally and helps regeneration.

Another point that needs consideration is the proper drying of the seeds after collection. If moisture content is not regulated, it becomes susceptible to fungal infection. Though it can be checked through application of fungicides, care should be taken to ensure timely purchase of seeds by the trader so that primary collectors do not suffer loss due to such damage. It is generally observed that the middlemen cheat the primary collectors at the time of purchase in the name of “sukti” *i.e.* loss of weight due to dehydration after purchase. They even deliberately delay in purchasing the sal seeds in the local weekly heats in the evening with a view to cheat in weight & measures and exploit the illiterate tribals. Therefore mobile purchase units should be in place and purchase of sal seed and other NTFPs are made from the door step of the primary collectors.

The staff of the Division as well as purchaser should work in close cooperation with the primary collectors in the interest of forest and all stakeholders.

Leaves

Though the use of sal leaves for making cup and plates is an age old practice in tribal areas, it has now become a commercial activity with the introduction of mechanical press and moulding machines. The leaves are even used for making pika (bidi like country cigarette) though not for commercial purpose. It is also other used as wrapper for food, betel etc.

The fresh leaves appear in March after defoliation. The tree coppices well particularly near the ground level, the advantage of which is taken by the leaf puckers. Better quality leaves are available to them at a convenient height from these coppice shoots .However, collection of tender leaves from such coppice shoots has harmful effects on the growth of plants. Hence, collection should not be allowed during March to May and even in the rainy season.

The ideal time for collection is between September to January. Further, total sweeping of the plants for collection of leaves should be discouraged. The limit should be fixed for extraction of leaves by the DFO which should be adhered to. It is better if collection is done through VSS; and the Forest Department jointly with organizations like TDCC & TRIFED may organize training camps to impart knowledge of sustainable collection practices to the primary collectors.

7.12.3 Myrobalans

The fruits of *Terminalia chebula*, *T.bellerica* and *Emblica officinalis* (collectively known as myrobalans) are used for tanning and also for medicinal purposes. The best time for collection is March. Myrobalan tan is usually blended with other quickly penetrating tans to produce good leather colour.

As observed, anla (*Emblica officinalis*) is generally harvested using unsustainable techniques such as lopping and hacking of branches and at times even felling of trees. The competition for early fruit collection among the locals has resulted in plucking of unripe fruits and over exploitation. This has adversely affected the natural regeneration. Hence, pre mature harvesting should be discouraged. The best time for collection of anla is the month of Chaitra (March-April) when it is ripe and mature. The fruits should be carefully plucked *using long poles with a hook* or by shaking the plant. Collection should be done in

the morning hours because increasing heat may turn the fruits black, thus damaging the quality. After collection they should be stored under shade till the processing work begins. The main problem observed is that the collection techniques are quite harmful to the forest, the collectors are in a hurry to collect more quantity with less effort and they tend to break the bigger branches or even fell the whole tree for few fruits. Sometimes they collect immature fruits fearing that other collectors will collect the same before them. These practices should be avoided at any cost. The processing of anla begins within two days of its collection. Immature and blackened fruits should be separated and the selected ones are to be boiled for 8-10 minutes. The boiled fruits are deseeded in a neat and clean place, after which they are sun dried on bamboo mats. The sun drying makes anla little reddish, and this fetches a better price in the market. The processed anla should be stored in gunny bags in dry places under normal room temperature.

The time of maturity of fruits should be notified. In the absence of standards for sustainable harvesting régime, at least one third of the fruits should be left on the trees for natural regeneration to take place.

Generally, the primary collectors dry the fruits using simple sun drying techniques, which blackens the produce thus fetching lower price. However, drying and packaging the produce in small bags can help value addition. Pulverizing and selling anla powder either individually or collectively as triphala mixture can add value to the produce and fetch better price.

The DFO in consultation with organization like TDCC and TRIFED shall take steps to provide preliminary training to the primary collectors to use collection processing methods which are not injurious to forest and the produce. This will help local processing and thus provide opportunity for local value addition. The skill of these poor collectors may also be up graded through training, demonstration and extension methods.

7.12.4 **Char seed**

Char seed, also called chiranjee dana or char dana, is a fruit of *Buchanania lanzan*, which grows up to 18 meters in height and generally found in the forest of the Division. It is a close associate of sal and mahul.

Although various parts of this tree are differently used, it is identified by its delicious fruit which is often regarded as poor man's grapes. However, char seeds/ Kernel

has variety of uses. It is either eaten directly or used in flavoring sweet meat, confectionary, betel nut powder etc.

The tree flowers during January – February and the fruit ripens in summer. Though ripen fruits fall on the ground, the primary collectors often themselves pluck the fruits including the immature ones for further processing. However, mature fruits fetch better return (the seed is mature if it sinks in the water).

The un-decorticated seeds give better price if they are washed properly before selling. The kernel is vulnerable to insect attack, more particularly when left un-protected from moisture. Hence, in-addition to drying them under the sun, care is also to be taken for their proper storage/bagging.

All the above mentioned issues shall be explained and demonstrated in detail to the primary collectors through training so as to facilitate better remuneration to them for their labour.

7.12.5 **Siali leaves and fibre**

These are obtained from siali or '*Bauhinia vahlii*' which is wood climber of gigantic size and is otherwise looked upon as undesirable in view of the damage caused to the host plant. The natural climber is said to be capable of exerting so much pressure on the tree that the later sometimes collapses under its weight. The climber thrives well in loose rocky soil particularly in the hilly areas and ravines. However being strong light demander, it is less available in dense forests.

Leaves

Large leaves of siali are shaped like camel foot and appear as twins. They are largely used in making plates, donas and food wrapper. Siali leaves have high market potential through out India. The quality of leaves varies according to their size and harvesting methods.

Leaves are better available between October. & February both in terms of quality and quantity. This is the peak period of collection. The collectors often tend to loose their patience in plucking the leaves and cut down the climbers to get the whole resource at their disposal.

If the leaf is plucked leaving its petiole or stalk on the climber itself, then the drying is better facilitated and wastage is also reduced since the stalk has no use in making of leaf cups and plates. To ensure proper collection in different areas of the Division, the field staff should intensify their supervision during the collection season.

Siali leaves are the major source of income for the tribals. Most tribal families are engaged in collection of leaves. They dry the collected leaves in sun for about two to three days and then stitch five to six leaves into a plate with the help of thin bamboo straws and then sell them in bundles.

There is a scope to raise the remuneration of the primary collectors if they could be organized into cooperatives including SHGs and provided with processing machines to get the benefit of value addition. The skills of the poor collectors may also be upgraded through regular trainings.

7.12.6 **Fibre**

The fibres obtained from the climbers are used for making ropes for domestic purpose. However; major use is by the kendu leaves organization for the purpose of binding.

For extraction of the fibre, the climbers shall have at least two feet girth. This is the girth when the climber moves towards its maturity and requires to be cut for silvicultural needs. Even the quality of leaves also gets reduced.

The climber has to be cut flush to the ground and carefully pulled out from the host plant. Usually, it takes four to five years for the climber to attain the exploitation size. The process of separating the fibre from the wood plant tissue is technically known as 'Retting'. This process consists of submitting the stem to the action of water and allowing fermentation to take place resulting in removal of gummy material by water and subsequent beating & scrapping of the softened tissue to get the fibre.

7.12.7 **Hill Broom**

The hill brooms are prepared out of grass, '*Thysanolenia maxima*', and otherwise known as bouquet-grass or tiger grass. It's a tall perennial grass, usually found on forest slopes, particularly near water streams as it thrives well in soils having high moisture

content. The grass can grow as tall as four feet and may attain up to 48 cm long inflorescence which constitutes the major portion of the hill broom.

The collection time is from March to June but harvesting done before complete maturity gives better quality and price for the broom as greener the inflorescence, better is the durability and value. Hence, harvesting shall be done just before the full maturity. However, care shall be taken to ensure natural regeneration i.e. some mature grass should be left as such for seeding and natural propagation.

The hill brooms need very simple processing. The broom after cutting are dried in sun for two to three days and separated into equal length. The brooms of different sizes are tied in an orderly manner with the rope or plastic at the lower end. All these operations are done manually. The rate of bound hill brooms even in the local market is much more than the loose brooms. On an average one kilogram of hill brooms may be processed into three hill brooms.

With proper training, the primary collectors can be made good broom makers and taught attractive patterns of tying on the broom thus facilitating further value addition. Hence, there is considerable scope for value addition at local level and to raise the income level of poor collectors.

As stated above, not only proper training plays a crucial role in its value addition, but also the way grass is cut affects the price. The unwarranted long stalk increases the waste and hence reduces its price. The skill of the primary collectors may be further upgraded through training, demonstrations and extension methods.

7.12.8 **Tamarind**

Tamarindus indica is a big tree and occurs abundantly in natural forests besides being grown on private lands. It can attain a height of up to 24m & is even planted in avenues. It thrives well in a warm climate and can withstand drought. Its fruit is a long pod with 6 to 10 cm seeds & contains about 88% of its weight as pulp. Tamarind fruits generally become available for collection during March-April. On an average, a full grown tree can yield annually around 200 kgs fruits.

Tamarind is used mainly as preservative and an important ingredient in pickles, juices and tamarind concentrates. Tribals even consume the seeds as food after boiling them. Seeds boiled with mahua flowers are considered delicacy. It is used in powdered form commercially known as TKP (Tamarind Kernel Powder) which is becoming increasingly popular in textile & paper industries as a sizing material in view of environmental cost being attached to such units. Its seed is also used as cattle feed and poultry feed. Tamarind, thus, has many uses and is in great demand in different markets.

It needs very simple processing. After collection, thin hard cover is decorticated manually which is sold at much higher price than the seeded one. Even the seeds are also sold at good prices. Moreover, the deseeded tamarind is less prone to insect attack & thus, can be stored for longer periods. Hence the simple process of deseeding at the primary collector's level shall be encouraged.

7.13 MEDICINAL PLANTS AND THEIR PRESCRIPTIONS

7.13.1 Though there is practically no specific study done on the medicinal plant resources and their potential in Ghumsur (South) Division, the use in the traditional system of medicine continues to be in vogue in the Division and the large population still depends on these resources for their medical needs. However gradually popularization of medicinal plant species & their derivatives is regaining its lost ground/value in the State being even encouraged by the State Medicinal Plant Board. Still a lot of work is required to be done to preserve this resource for posterity and encourage sustainable use.

7.14 DEVELOPMENT OF SPECIAL NTFPs

7.14.1 Apart from the NTFPs naturally available in the Division, it is also felt that development of certain special items should also be considered on priority. It is prescribed that large scale plantation of *jatropha* along the boundary of the forest blocks should be under taken. This will not only create the additional NTFPs but also help in forest consolidation. Forest block boundaries are in deplorable condition which has been elaborately discussed in Chapter-1. *Jatropha* species being non-browsable, their protection measures are not so essential but their planting along the forest boundaries solves problems in survey & demarcation and also facilitates NTFP value.

***Jatropha curcas*:-**

7.14.2 *Jatropha curcas* belongs to the family ‘*Euphorbiaceae*’ and is thus closely related to some other important cultivated plants like rubber plant and castor. It is a small ever green, nearly glabrous tree or soft wooded shrub 3 to 4 meter high. It flowers between September to December. The fruits mature two to four months after flowering turning yellow when mature. It is easily propagated by seeds or cuttings and grows rapidly. A hot and humid climate helps in the early germination of seeds.

7.14.3 This plant has a production life of nearly 40 to 50 years without necessitating replanting or retending unlike other such crops. It grows in semi wild condition in the vicinity of the villages, almost in all states. It can grow successfully on all kinds of barren and unproductive wastelands. It is more popular as a live fence for protection of agricultural fields from the attack by livestock as it is unpalatable to cattle and goats. Other uses include jatropha oil as biofuel and in soap making, medicinal value etc. However, the main use anticipated in the coming years is its use for biofuel production.

7.14.4 **Planting technique:** The plantation along block boundary in two rows at 1m x 1m spacing shall be done in the staggered manner. However, other patterns of such live hedge plantation may also be adopted. Since large scale plantation of jatropha has been recommended by the Planning Commission, even the block plantation @2500 plants per ha may also be considered. The seedlings should be raised in poly bags of half kg capacity filled with a mixture of soil & organic manure in the ratio of 4: 1. Two seeds be sown in each poly bag at a depth of 6 cm and watered regularly. When the seedlings are around 4 weeks, the weaker of two seedlings be removed and used for gap fillings. The seeds or cuttings can also be directly planted in the field on the onset of monsoon season. For planting 1 ha area, around 5 to 6 kg of seeds is enough if the spacing is 2mt. X 2mt. However, on rain fed wastelands, high density planting at 2mt. X 1mt. Or 1.5mt. X 1.5mt. shall be desirable. The two main techniques followed for this plantation are described below

7.14.5 **Direct planting:** The land shall be ploughed once or twice depending on the nature of soil. In case of heavy soils, deep ploughing is given whereas in light soils, shallow ploughing is enough. The seed/cuttings are planted in the field on the onset of monsoon. Two seeds shall be dibbled at each pit at a spacing indicated above. When the seedlings are 4 weeks old, weaker seedlings should be removed to retain one healthy seedling

per pit. The seeds with overnight pre-soaking treatment and used for direct dibbling should be large and heavy.

7.14.6 **Transplanting:** The planting site is prepared by digging small pits of 30x30x30 cm³ at specified spacing indicated above. Pits are filled with soil and 400 gm compost or organic manure per pit. Basal dressing of fertilizers may be applied @ 20g urea and 120g single super phosphate whereas Muriate of Potash 16g should be mixed with soil at the time of filling pits; and polypot seedlings planted on the onset of monsoon whereas for plantation with cutting, the planting material should be 45 – 100 cm long with thickness of 3 to 4 cm and obtained as far as possible from base of the stem.

7.14.7 **Fertilizer application:** In case of transplanted crop, the above mentioned fertilizers should be applied at the time of transplanting or immediately after the plants establish in the pits. The remaining dose of urea should be applied in two doses @10g per plant. The first dose should be applied one month after basal dressing and second dose after two months of basal dressing.

7.14.8 **Yield:** The fruits of *Jatropha* are ripened in between December to April and can be easily plucked from the bushes providing casual employment for rural people. The planted crop starts seeding from the 2nd year itself if raised with cuttings whereas transplanted or seed dibbling gives seed production from 3rd year onwards. With good care, the annual average seed production is expected to be more in irrigated crop than rainfed.

7.15 **RIGHTS AND CONCESSIONS**

Rights and concessions of local people shall be regulated in accordance with the provisions of the Orissa Forest Act, Forests Right Act'2006 and relevant Rules in force besides the Government policy in vogue.

CHAPTER - VIII

WILDLIFE (OVERLAPPING) WORKING CIRCLE

8.1 GENERAL CONSTITUTION

8.1.1 The wildlife is dependent on forests for their survival and is an integral part of forests. Ghumsur (South) Division is very rich in variety of fauna. The Division has varied terrain and topographical features ranging from plain of Solundi to the high hills of Pondakhol. The detailed geology and topography has been described in Chapter I of part I. The area of the Division has varied ecological, faunal, floral, geomorphological, natural, zoological or specific genetical significance in terms of niche and specific fauna represented by Elephant (*Elephas maximus*), Tiger (*Panthera tigris*), Leopard (*Panthera pardus*), Sambar (*Cervus unicolor*), Chital (*Axis axis*), Barking deer (*Muntiacus muntjak*), Black buck (*Antelope cervicapra*) etc. This Working Circle overlaps all the forest blocks of the Division covering an area of 111748.10ha.

8.2 DISTRIBUTION OF WILDLIFE IN RELATION TO VEGETATIVE COVER

8.2.1 This Division occupies a unique position in the wildlife wealth of Orissa. Varied wildlife habitats, both aquatic and terrestrial, are observed in this Division. Giant fresh water turtle (*Trionyx gangeticus*), Black buck (*Antelope cervicapra*) and other general wildlife such as Elephant (*Elephas maximus*), Tiger (*Panthera tigris*), Leopard (*Panthera pardus*), Sambar (*Cervus unicolor*), Chital (*Axis axis*) and Barking deer (*Muntiacus muntjak*) etc are abundant in the forests of this Division. A non descript village of Golia under Buguda Range has giant fresh water turtle (*Trionyx gangeticus*) to its credit. This turtle is now extinct in other parts of Orissa. Ghumsur (South) Division also gets pride because of occurrence of Black buck (*Antelope cervicapra*) in a harmonious man animal relationship since ages. These animals are observed only in this Division in Orissa. All these specific animals make the place of Ghumsur (South) Division a unique in the wild life map of Odisha. The biodiversity of flora indicates the richness of fauna. More diverse the flora, more diverse is the fauna.

8.2.2 Most of the forest blocks of the Soroda , Buguda and Badagada support almost dry / moist miscellaneous/deciduous types of forest. The top canopy includes species like *Shorea robusta*; *Pterocarpus marsupium*; *Terminalia tomentosa*; *Bombax ceiba*; *Mitragyna*

parvifolia; *Anogeissus latifolia* and *Gmelina arborea* etc. The middle storey consists of *Bridellia retusa*; *Dalbergia sissoo*; *Lagerstroemia parviflora*; *Buchanania lanzan*; *Aegle marmelos*; *Terminalia bellirica*; *Terminalia chebula*; *Semecarpus anacardium*; *Syzygium cumini*; *Diospyros melanoxylon*; *Schleichera oleosa*; *Madhuca indica*; *Cleistanthus collinus*; *Morinda tinctoria*; *Sterculia urens*; *Dellenia pentagyna*; *Emblica officinalis*; *Tamarindus indica*; *Mangifera indica*; *Bauhinia variegata*; *Mallotus phillippensis* and *Pongamia pinnata* etc. Undergrowth like *Woodfordia fruticosa*; *Holarrhena antidysenterica*; *Indigofera pulchella*; *Andrographis paniculata*; *Phoenix acaulis*; *Tridax procumbens*; *Eupatorium odoratum* and *Clerodendron infortunatum* etc are also noticed in this forest type. Interspersed amongst the wooded land is grasslands which may be in small or large patches which are very important for the herbivores in the forests. In case of degraded forests areas are mostly open and having scrubby growth of some of the above referred species.

8.3 SPECIAL OBJECTIVES OF MANAGEMENT

8.3.1 The special objective of management are as follows:-

- i) To protect, conserve and improve the wildlife habitat of the existing wildlife in different blocks of the Division.
- ii) To promote wildlife in general with special emphasis to endangered species like Black buck, Peacocks and Giant Fresh Water turtle.
- iii) To increase awareness among the local people regarding the necessity for conservation of wildlife and their habitat.
- iv) To retain and increase the biodiversity and wildlife population.
- v) To prevent wildlife related offences.
- vi) Promotion of Ecotourism
- vii) To minimize to man-animal conflict.

8.4 AREA AND ALLOTMENT

8.4.1 All the forest blocks, included in the Plan have been allotted to this Overlapping Working Circle. The circle covers the entire geographical area of the Division as far as protection of the wildlife is concerned. Since this Working Circle overlaps the entire plan area the details of area allotment to this circle has not been made. The forests of Soroda ,

Buguda and Badagada Ranges having natural dense undergrowth and mixed crop houses large and long distance covering wild animals where as in other Ranges the wildlives are area specific like the Black Buck of Bhetnoi- Balipadar, Peacock of Pakidi and Fresh water turtle of Golia etc. Wild lives are very thinly distributed in the plain forests of Aska, Polosara Ranges. This Working Circle overlaps all the forest blocks of the division. The total area of this Working Circle is 111748.10 hectares.

8.5 ANALYSIS AND VALUATION

8.5.1 Wildlife census has been carried out at intervals for different species of wildlife but no formal analysis and valuation of all such data has been done at the Divisional level except for statistical purpose. Due to degradation of the forest cover and the habitat the number and type of wild animals in the forest is reducing. Wildlife habitat continues to get degraded resulting in these wild animals coming out of the forests leading to man-animal conflicts. The causes for habitat destruction and loss in wildlife are:

- Increasing incidences of encroachment.
- Increasing demand for fuel wood, timber, fodder and other NTFPs
- Poaching for sport and meat.
- Inadequacy of the forest staff to combat poaching.
- Lack of awareness amongst the people.
- Inadequate focus on habitat improvement
- Habitat destruction and fragmentation and lack of well managed corridor which affects wild life population

In spite of negligible inputs for wildlife and habitat improvement in the past, the Division still has rich variety of wild animals which has been described in details in Chapter-IIB.

8.6 METHODS OF TREATMENT

8.6.1 MAINTAINING SPECIAL HABITATS

Special habitats are biological in nature and provide habitat functions for small wild animals. They include snags, snag recruits, den trees, down wood, isolated large old trees, trees with fluting boles, buttresses, lianas, some significant species of fruit bearing trees

and shrubs. These special habitats have been neglected in the past. Care should be taken while implementing the plan to maintain these special habitats especially in the areas coming under the Selection working Circle.

Snags : As a rule of thumb attempt should be made to maintain at least the 5 tallest and largest diameter snags per hectare, in a well distributed design in all silvicultural treatments. Retained snags need to appear in the compartment history. These are vital for a variety of primary hole-nesting birds like Woodpeckers and Barbets, which are colonized by secondary hole-nesters like Hill Mynas, Rollers, Owlets etc during subsequent years.

Snag recruits : It should be endeavored to maintain 5 snag recruits per hectare. These are dying trees, mostly affected by heart rot fungus but not quite dead. They can be recognized by their external symptoms. All such trees, which are being retained, need to be reflected in the compartment histories. These, along with snags provide a very good substrate for epiphytic orchids, especially of genus *Dendrobium*

Down wood : In felling operations, among the rejects, apart from lops and tops, large size irregular shaped hollow logs often occur. Being uneconomical they usually remain on site, or are converted into fuel wood. Such large sized woody material provides critical ecological functions in support of maintenance of vegetation and animal diversity, besides serving the functions of cover and micro-habitat for several species. The largest size hollow logs, or rejects for any reason need to be maintained at the rate of at least three logs per hectare, and as far as practicable evenly distributed. These should suitably find place in the compartment history.

Large old trees : These would naturally occur in low densities. The *Ficus* sp. should not be counted among these since *Ficus* is not felled even otherwise. Large old trees of different species as and when encountered need to be reserved in any felling/tending operation. These retained trees (2 to 4 per ha) need to be entered in the compartment histories as they serve as daytime roosts/nesting sites for large owls of *Bubo* sp.

Trees with fluting boles and buttresses and holes at the base : These are expected to occur in very low densities represented by a small number of species. They provide significant microhabitat functions for small mammals like the Mouse Deer and reptiles. One such tree at least, the largest possible, needs to be retained per hectare.

Lianas and tangled climbers: Climber cutting operation is a standard practice and prescription for the same is there in all working circles. However lianas provide significant habitat functions in support of mobility of arboreal animals, and depending on animal species, serve as resting and escape cover for primates. They are equally important for arboreal small carnivores, some rodents and lizards. A climber with tangles is especially important. It is recommended that at least two old spaced apart climbers per hectare be retained, and recorded in compartment histories.

Fruit bearing trees and shrubs : Prescription has been made to reserve all fruit bearing tree species in felling/tending operations, that are known to provide fruits to local human inhabitants and wildlife. The information on human use is probably complete but the same cannot be said of wildlife.

8.6.2 **Development of Habitat**

Habitat shall be developed with the cooperation of local people using sound silvicultural techniques. The aim should be to provide more food, water and shelter to the wild life so as to reduce the man-animal conflict. Habitat development viz. creation of meadows, salt licks, water holes and plantation of fodder species are to be done in all the ranges where there are definite blank areas.

8.6.2.1 **Improving the cover:** Providing adequate forest cover to different wild animals within their habitat is necessary for shelter and protection of wild animals from weather, predators and enemies. Keeping this aspect in view, it has been prescribed in Selection Working Circle not to fell those mature trees, which create a lasting gap in the canopy. It is also prescribed not to fell trees near water holes, wallows to maintain cover. In case of Rehabilitation Working circle it has been prescribed to go for mixed plantations instead of pure plantations to create ground flora and middle storey to provide cover for different types of wild animals. Tree cover around the stream, water holes and salt licks shall also be maintained and improved.

8.6.2.2 **Improving availability of Food:** The adequacy of food in a particular wild life habitat depends upon the quality and quantity of food produced and the animal population living therein. Various subsidiary silvicultural operations like opening of canopy, thinning of

congested patches, improving the general availability of food shall always be taken into consideration. For these reasons and also, for their utility as NTFPs, the fruit bearing trees have been prohibited from felling under the respective working circles. Further, the species as discussed in the following paragraphs will be part of any plantation/retention operation taken in forest areas.

- i. Food availability in a habitat changes with the season. Herbivores depend on plant materials like leaves, barks, twigs, flowers, fruits and seeds of species like *Mallotus philippinensis*, *Dendrocalamus strictus*, *Adina cordifolia*, *Albizzia lebbek*, *Aegle marmelos*, *Cassia fistula*, *Ficus bengalensis*, *Ougeinia ougenensis*, *Shorea robusta*, *Syzygium cumini*, *Terminalia alata*, *Terminalia belerica*, *Zizyphus mauritiana*, *Bombax ceiba* etc.
- ii. Deer, Monkey, Langur, Rats and Hare feed on wild fruits of plants like *Ficus* species, *Terminalia belerica*, *Buchanania lanzan*, *Aegle marmelos*, *Syzygium cumini*, *Emblica officinalis*, *Zizyphus mauritiana*, *Diospyros melanoxylon*, *Grewia hirsute* etc. These animals help in dispersal of fruits and seeds in the forests.
- iii. Among the plant materials, grasses constitute major portion of the herbivores' food. Grasses, which are highly preferred and consumed by herbivores, are *Axonopus compresses*; *Eragrostis pilosa*; *Saccharum bengalensis* etc. These grasses should be raised in the wild life concentrated areas to meet the food requirement of herbivores.

8.6.2.3 Water availability: Generally, there is no dearth of water from July to December. However, scarcity is felt from January to June when most of the nallahs and streams dry up. Hence, it is necessary to create waterholes and check dams on the higher slopes across nallahs to improve water availability during summer.

8.6.2.4 Corridor development: Due to decreasing food base in the area and loss of connectivity and fragmentation of the habitat there is increase in man-animal conflicts. Along with strengthening of protection measures for wildlife, relevant habitat development shall be given priority with concentrated efforts for protection and improvement of forest cover in blocks being worked under selection working circle.

8.6.3 Maintenance of Water Sources and Wetlands

Water sources, perennial and seasonal, artificial or natural need to be protected and maintained. A water source is subjected to silting, poisoning, being drained off, subject to other pollutants; some are shared between cattle, people and wildlife, some monopolized by cattle or people. Site-specific strategies for their protection and maintenance need to be prescribed by the DFO. Artificial sources may be created if required.

8.6.4 Other Prescriptions

8.6.4.1 The distribution of wildlife in different forest blocks shall be studied and their occurrence in different habitats in different seasons shall be estimated. Census of wild animals shall be done every alternate year in consultation with the Chief Wildlife Warden to even assess the prey-predator base; this will help in further improving the management prescriptions.

8.6.4.2 Wildlife habitats of endangered species shall be identified and mapped. Presence of natural waterholes, saltlicks and natural meadows shall be estimated and their adequacy shall be assessed with reference to their population estimates. Watch towers shall be constructed near crucial waterholes and saltlicks to not only facilitate estimation of occurrence of wildlife but also to discourage hunting.

8.6.4.3 Migration routes for wild animals shall be identified and preventive measures taken to protect and improve those corridors. The areas vulnerable to poaching shall be protected from all sorts of biotic interference.

8.6.4.4 The fire lines should be cleared and material removed should be dumped in such a way that it facilitates rodents, insects, jungle fowl and other birds to build their nests for safe breeding.

8.6.4.5 The current bovine population is furnished at Table No 3.12 in chapter III of Part I. Cattle population in different areas shall be estimated from time to time and the carrying capacity of the forests and fodder enhancement measures shall be taken up keeping the requirements of cattle and wildlife in view.

8.6.5 **Wildlife Protection Measures**

8.6.5.1 The immediate need is to collect and tabulate all available spatio-temporal information about incidence of wildlife crime including identity and modus operandi of the criminals. The second step is to analyze the information and prepare a strategy and action plan while third step is to carry out enforcement.

8.6.5.2 The staff deployed for anti-poaching operations shall be extremely alert, in good health with high motivation. They should be trained in handling of arms and ammunition and in proper identification of wildlife species and their parts. They should be properly armed and provided with VHF sets for communication. Satisfactory maintenance of the fixed and mobile VHF sets is a pre-requisite for efficient operation. The staff involved in the entire operation shall also be conversant with the basics of litigation and court procedure with regard to wildlife crime.

8.6.5.3 Further, the patrolling party/anti-poaching squads must be well acquainted with the entire terrain. Patrolling paths should be planned out in advance and such paths should not always follow the beaten tracks but should be varied on random choice or based on specific information. Proper dialogue with the local villagers during a patrol is important to gain vital information, and also to gain their trust. The patrol party must always try to obtain information that can be used to prevent further poaching in the area.

8.6.5.4 As information collection is vital for prevention and/or detection of wild life crime, both covert and overt information shall be gathered. The officer who is handling the full time informers and information inflow should ensure proper follow up of the said information. Decoy and undercover operations may also be adopted to arrest the offenders and seize the wildlife products being traded.

8.6.5.5 An aspect of concern is the lack of proper prosecution leading to very low conviction rate in wildlife cases. The success of protection efforts can not only be judged with regard to the number and nature of wildlife offence cases booked but also the effectiveness with which such offence cases are investigated and contested in the appropriate courts of law. In most cases the offenders booked in wildlife offence go out on bail and/or acquitted to commit the crime again. Very often, the accused escape due to technical flaws or perfunctory prosecution report or shoddy investigation. Hence, appropriate training in wildlife crime investigation methods and techniques shall be imparted to adequate number of

staff. It is vital that proper evidence is recorded at every stage of investigation and case records are meticulously built / maintained on daily basis. Moreover, the prosecution report shall be thoroughly scrutinized by the ACF/DFO before being filed in the court. Even, the cases shall be pursued regularly in the court so as to ensure greater rate of conviction. These measures will have long lasting effect even on the over all forest and wildlife protection in the entire Division as well.

8.6.5.6 There shall be inventory prepared of all the gun licenses within 10 km radius of blocks rich in wildlife. This will help in better control over the poaching activities otherwise also. This inventory should be regularly posted up to date.

8.7 MISCELLANEOUS REGULATIONS

8.7.1 **Awareness:** The awareness for wildlife preservation may be created through celebration of wildlife week, competitions and debate among the school/college students. Even, publicity material shall be distributed and the benefits of wildlife conservation explained through electronic media. The legal provisions under the Wildlife (Protection) Act'2003 shall also be brought to the notice of all including the scope and extent of the compassionate amount for wildlife depredation.

8.7.2 **Infrastructure and Training:** To ensure better protection and to enhance their effectiveness, the field staff shall be provided with modern equipments including proper arms and ammunition. As fast and better communication is the key for protection of forests and wildlife, divisional headquarters, all the range headquarters, section headquarters, sensitive beats and check gates should be provided with VHF sets. More and more field staff shall be trained in wildlife management and in detection and investigation of wildlife crimes.

8.7.3 **Information network and records keeping:** A regular data base should be maintained at Divisional level comprising of details like

- schedule species found in the area,
- pictorial directory of all identified poachers to be prepared and circulated in the locality,
- list of traders in cattle and goatskins as well as tanneries;
- list of eating houses alleged to be serving bird/deer meat and
- timely & proper documentation of all the incidences of man-animal conflicts including poaching.

8.7.4 Wildlife Depredation: Depredation by wild animals is gradually increasing in the state as well as in the forest division and the main reason for this conflict is shrinkage of their habitat and shortage of food. The details of depredation by different animals are discussed in the Table No 2.7 of Chapter 2B of part I. To mitigate miseries of people, if it happens in future, due to wild animals, the compassionate amount for crop damage, house damage, injuries and death, should be disbursed to them as quickly as possible. Delay makes people lose faith in the forest department and they tend to take revengeful self-protection measures even by resorting to killing/poisoning of animals.

8.7.5 Control of Grazing: The wildlife rich areas shall be closed for grazing. However, grazing may be controlled elsewhere as per the provisions of the Orissa Forest (Grazing of Cattle) Rules, 1980. The local people and the VSS members may even be motivated to immunise their cattle in consultation with veterinarians against anthrax and FMD (Foot and Mouth Disease) so that these epidemics are not transmitted to wild animals of adjoining forest blocks.

8.7.6 Fire protection measures: Fire lines should be cleared and maintained regularly. As most of the forest fires are man-made, it can be prevented to a large extent by motivating & educating the local people. Adequate field staff should be stationed with necessary infrastructure in fire prone areas to control and suppress the fire menace during the summer season.

8.8 SPECIAL MEASURES FOR BLACK BUCKS OF BALIPADAR-BHETNOI AREA

8.8.1 Details about management of black bucks have been described in chapter IIB of part I. The black buck habitat in this division spreads over three Ranges i.e. Buguda, Aska and Polosara. The population is on the rise and stands at 1533 as per 2011 census. The area near Ballipadar and Bhetnoi has been declared as Game Reserve vide Notification Number 22755 / FFAH dated 19.09.1989 of the State Government over an area of 64.21 sq km reproduced in **APPENDIX – XXI**. Twenty-one villages over an area of 4250 hectares are included in this Game Reserve. Black bucks are found in high density in Gahangu and Ramanda complex of Buguda Range. These are also found in village surrounding the Game Reserve. These are Batarasingh, Subudhipalli, Golashi, Buguda, Chakarpalli, Talashar, Phapalpur, Narayanpur and Bajrakote etc. There are few isolated habitats to which they migrate and live separately and these are as Karsing, Mendhakhari, Gaherijuli and

Puroshattampur of Kodala Range. They mostly live in the open cropland habitats avoiding bushy and forest dwelling habitats. These are well distributed around the villages and beside the village roads. They stay very close to the human habitations and highly communicable roads. Although these black bucks feed on the immature crop of the farmers, the villagers give them protection. The belief is that if the black buck feeds on their crop, the yield of crop will increase. In fact, this belief is the only reason for the survival of these species. The villagers provide social security to these animals and do their maximum to protect them from poaching. Nevertheless, some stray cases of poaching do occur.

8.8.2 Some developmental works such as construction of two watch towers, provision of salt licks to the animals and digging of two game tanks to supply water during summer have been done in the Game Reserve. Some plantations have been raised in the area. Several efforts have been made to develop the area as a spot for ecotourism. Achievement so far made on that score is not encouraging owing to several inadvertent factors. To meet the drinking water problems of Black Bucks a number of water bodies have been created newly & some old water bodies have been renovated during the previous plan period as per the details furnished at **Table No. 8.1**. During the year 2005 a black buck Management Committee was formed consisting of 60 villages involved in protecting the endangered species.

Table No 8.1: **Creation of New Water bodies and Renovation of Old Water bodies during P. K. Jha's plan period.**

Year-wise (2000-01 to 2013-14)	Scheme-wise	No. of water bodies created	No. of water bodies renovated	Other works	Amount utilized (in Rs.)
1	2	3	4	5	6
2000-01	--	--	--	--	--
2001-02	--	--	--	--	--
2002-03	--	--	--	--	--
2003-04	--	--	--	--	--
2004-05	--	--	--	--	--
2005-06	--	--	--	--	--
2006-07	--	--	--	--	--
2007-08	--	--	--	--	--
2008-09	State Plan-02 WL	--	1 no. at Bhetanoi in Aska Range	--	350000.00

Year-wise (2000-01 to 2013-14)	Scheme-wise	No. of water bodies created	No. of water bodies renovated	Other works	Amount utilized (in Rs.)
1	2	3	4	5	6
-do-	Central Plan	--	1 no. at Narayanapur in Aska Range	--	25000.00
2009-10	02-Wildlife - State Plan- Preservation of Blackbuck & Fresh water turtle	2 nos. at Pangidi & Dasanapalli in Buguda Range	--	--	500000.00
2010-11	--	--	--	--	--
2011-12	02-Wildlife - State Plan- Preservation of Blackbuck & Fresh water turtle	1 no. at Bajrakote in Aska Range	--	--	200000.00
-do-	CAMPA - Wildlife	--	1 no. at Narayanpur in Aska Range	--	125000.00
2012-13	CAMPA APO 11-12	1 no. at Barikapalli in Buguda Range	--	--	150000.00
2013-14	02-Wildlife - State Plan- Preservation of Blackbuck & Fresh water turtle	--	--	Interim Rescue centre for Blackbuck at Charimaili in Aska Range	655000.00
-do-	CAMPA APO 12-13	1 no. at Digi in Aska Range under progress	--	--	50000.00

8.8.3 For better management of these black bucks the following prescriptions are made.

- (i) The Ballipadar - Bhetnoi area is recommended for declaration of a 'Closed area' under section 37 of the said Act.
- (ii) The practice of departmental cultivation of ragi, gram and other leguminous crop should be continued at higher scale to improve the habitat.
- (iii) The cattle population near by the Game Reserve should be immunized periodically to check the spread of contagious disease among black bucks.
- (iv) Development of industrial units like brick kiln etc. should not be allowed within 2 km radius of the Game Reserve.
- (v) Public awareness is a must for any conservation programme. Emphasis should be laid on wide publicity of the area through radio and electronic media.

(vi) Steps should be taken to include the Game Reserve on the tourist map of Ganjam District. Watchtowers should be built up to attract the tourists. An interpretation center should be opened to educate the tourists and the public.

(vii) People capture fawns to make them pets. The local people should be motivated against this cruel practice. Any deviation in this regard should be dealt severely.

(viii) The Chief Wildlife Warden, Orissa, should move the State Wildlife Advisory Board for constitution of a Protection Committee comprising officials and non officials to enforce the protection and conservation of this rare fauna.

8.9 SPECIAL MEASURES FOR GIANT FRESH WATER TURTLE OF GOLIA VILLAGE

8.9.1 Giant Fresh Water Turtle (*Trionyx gangeticus*), a Schedule - I species under the Wildlife (Protection) Act, 1972, is available in a pond in the village Golia of Buguda block of Ganjam District. This has been describes in chapter IIB of part I. As per ocular estimation, the population of Giant turtle appears to be on the increase although census is yet to be carried out. The approximate number of turtles in the pond is around 300 to 350. The thriving population of the Giant turtles started dwindling rapidly during the last decade due to severe impact of fishing that was undertaken by the villagers. Government took steps in 1988 and a team headed by Divisional Forest Officer, Ghumsur (South) Division was formed, which had recommended for digging of a separate pisciculture tank in Golia village and for making provisions for protection of the Giant fresh water turtle in the existing pond. These recommendations were made to the Government after due consultation with the villagers. The State Government accepted the proposal and provided required funds through World Food Programme. Thereafter, the scheme was implemented in May, 1993. Stone packing and barbed wire fencing around the existing tank were provided. Fruit bearing species and other species were planted along the edge of the embankment on the outer slope. Food for the turtles was provided from these funds. A new pisciculture tank was excavated and its inputs were provided during 1993 and 1994. Income generated out of pisciculture is being invested for the welfare of the village under the supervision of the Village Committee.

During the previous plan period the improvement work undertaken for the turtles are furnished at **Table No 8.2**.

Table No. 8.2: **Development work undertaken for protection of Gaint Fresh water turtles at Golia**

Year-wise (2000-01 to 2013-14)	Scheme-wise	Water bodies created	Water bodies renovated	Other works	Amount utilized in Rs.
1	2	3	4	5	6
2000-01	--	--	--	--	--
2001-02	--	--	--	--	--
2002-03	--	--	--	--	--
2003-04	--	--	--	--	--
2004-05	--	--	--	--	--
2005-06	--	--	--	--	--
2006-07	--	--	--	--	--
2007-08	State Plan-02 WL	--	1no. at Golia in Buguda Range	--	100000.00
2008-09	--	--	--	--	--
2009-10	--	--	--	--	--
2010-11	--	--	--	--	--
2011-12	02-Wildlife - State Plan-Preservation of Blackbuck & Fresh water turtle	--	1no. at Golia in Buguda Range	--	25000.00
2012-13	02-Wildlife - State Plan-Preservation of Blackbuck & Fresh water turtle	--	--	Cosntruction of Signboard 1no. at Golia in Buguda Range	15000.00
-do-	-do-	--	--	Construction of Cement bench 10 nos. at Golia in Buguda Range	50000.00
-do-	-do-	--	--	Construction of Pillar gate 1 no. at Golia in Buguda Range	50000.00
-do-	-do-	--	--	Strengthening of Tank bonds & construction of sit outs around the Tank bonds	150000.00
2013-14	02-Wildlife - State Plan-Preservation of Blackbuck & Fresh water turtle	--	--	Constn. of Overhead shed of Sit out at Golia in Buguda Range	100000.00

8.9.2 At present provision of watch & ward has been made for safety of the fresh water turtle. Besides the local people are also sincerely involved in protection of fresh water turtle. For better management of the fresh water turtles the following prescriptions are made.

- Regular census operation is required once in two years. Commercial activities like fishing etc should be completely banned from the pond. Plantation should be done around the pond. The performance of Turtle Protection Committee should be reviewed periodically.
- Steps may be taken to include the village ‘Golia’ in the tourist map of Ganjam District.
- Wide publicity should be made by the Wildlife Department regarding its success story.
- An interpretation / awareness centre could be built at the above places. This will help in building public awareness about forests, medicinal plants and wildlife. Trekking points/routes should be identified and designated.

8.10 SPECIAL MEASURES FOR PEACOCK OF PAKIDI DPF OF ASKA RANGE

8.10.1 Just like the fresh water turtle of Golia and Black buck of Balipadar area, the management of peacocks in Pakidi DPF of Aska Range has gained increasing importance in the recent past. Though regular census has not been carried out but on ocular estimation the population of peacocks is around 1000. Presence of dense under growth with large diversity of small insects, availability of water source round the calendar and proper topography with large extent of paddy field in the adjoining areas are very much suitable for food, shelter and proliferation of peacocks in the Pakidi DPF. Of course installation of stone crusher mills adjoining to the DPF with lot of noise and dust pollution is the dissuading factor in the existence of this wild animal to live in harmony with human habitation. In the recent past a large number of peacocks died in Pakedi DPFs due to intoxication of caused by the application of pesticides in the cotton fields adjoining to forests. Awareness campaign has been taken up in the locality for non-application of pesticides in the cultivated field adjoining to the forests to avoid the death of peacocks. The creation of water bodies and other developmental activities taken up in Pakidi DPF during the previous plan period are furnished at **Table No. 8.3.**

Table No 8.3: **Creation of water bodies and other assets done during P.K.Jha's plan period in Pakidi DPF**

Year-wise (2000-01 to 2013-14)	Scheme-wise	Water bodies created	Water bodies renovated	Other works	Amount utilized (in Rs.)
1	2	3	4	5	6
2000-01	--	--	--	--	--
2001-02	--	--	--	--	--
2002-03	--	--	--	--	--
2003-04	RANCE 02- Flood & Cyclone	--	--	Dugwell 1 no. at Karanjei in Aska Range	101512.00
2004-05	--	--	--	--	--
2005-06	--	--	--	--	--
2006-07	--	--	--	--	--
2007-08	--	--	--	--	--
2008-09	--	--	--	--	--
2009-10	02-Wildlife - State Plan-Preservation of Blackbuck & Fresh water turtle	--	1 no. at Karanjei in Aska Range	--	25000.00
2010-11	CAMPA -Wildlife	1 no. at Karanjei in Aska Range	--	--	300000.00
2011-12	4406-COL-Eco Tourism	1 no. at Cheramaria in Aska Range	--	--	586974.00
2012-13	02-Wildlife - State Plan-Preservation of Blackbuck & Fresh water turtle	--	--	Stone dust spreading for approach road to Peacock habitat area near Chermaria in Aska Range	10000.00
-do-	-do-	--	--	Construction of Masonry Signboard 14 nos. at Kirtipur, Sobhachandrapur, Pakidi, Kerikerijhola, Ambuabadi, Khadabhaga, Chermaria in Aska range	116000.00
-do-	CAMPA APO 11-12	2 nos. at Sobhachandrapur & Baradabilli	--	--	300000.00

Year-wise (2000-01 to 2013-14)	Scheme-wise	Water bodies created	Water bodies renovated	Other works	Amount utilized (in Rs.)
1	2	3	4	5	6
2013-14	02-Wildlife - State Plan-Preservation of Blackbuck & Fresh water turtle	--	--	Construction of 23 nos. cement bench at Pakidi in Aska Range	132500.00
-do-	-do-	--	--	Construction of Signage at Pakidi in Aska Range	22500.00
-do-	CAMPA APO 11-12	1 no. at Belapada in Aska Range	--	--	150000.00
-do-	CAMPA APO 12-13 Wildlife	4 nos. at Kankanadevi, Ambuabadi, Kerikerijhola & Ustapalli in Aska Range under progress	--	--	478000.00

8.10.2 For better management of the peacocks the following prescriptions are made.

- (i) More no of water bodies should be provided as per the requirement.
- (ii) The poaching incident should be investigated and the areas vulnerable for poaching should be given special protection by creation of anti poaching squad.
- (iii) The census of wild animals should be conducted periodically in association with leading wildlife enthusiasts and leading NGOs.
- (iv) The awareness on wildlife conservation should be stressed among the general public.
- (v) The field staff of the division should be equipped with terms of transportation and communication.
- (vi) No functioning of any crusher mill established adjoining the Pakidi DPF and all the existing mill closed at once.
- (vii) Awareness campaign should be created in the locality for non-application of pesticides and insecticides in the cultivated field adjoining to the forests to avoid the death of peacocks.

In addition to the specific suggestions made for the three wild lives all the aforementioned general prescriptions should be followed.

8.11 INCENTIVES AND REWARDS

There shall be provision for rewards and incentives to the staff and public including the informers whose efforts lead to detection of wildlife crime and arrest of the offenders. Moreover, their deeds shall also be given media publicity in the locality as well as recognition on the occasions like Wildlife Week and World Forestry Day.

8.12 RIGHTS AND CONCESSIONS

Rights and concessions under this Working Circle shall be regulated in accordance with the provisions of the Orissa Forest Act (Ammended), 1972; the Wildlife (Protection) Act'2003; Rules made there under besides the Government policies in force.

8.13 NECESSITY FOR INTERMEDIATE REVISION

Intermediate revision is not anticipated.

CHAPTER- IX

THE JOINT FOREST MANAGEMENT (OVERLAPPING) WORKING CIRCLE

9.1 GENERAL CONSTITUTION

9.1.1 The concept of managing the forest with the people participation under Joint Forest Management (JFM) / Participatory Forest Management (PFM) /Community Forest Management(CFM) is relatively new in forest administration but in Ghumsur (South) Forest Division this concept dates back to 1914 for the management of Forests and wasteland at the disposal of the Govt. within the Pondakhhol Agency tracks and not included in any reserve forests. The concept and ideal gained ground after coming into the force of the National Forest Policy, 1988 which envisages co-operation of the people in conservation and development of forests. The Government of Odisha have already adopted the policy of Joint Forest Management (JFM) and sought community participation for protection, regeneration and management of the forest wealth. Prior to this the State Government enacted the Odisha Village Forest Rules, 1985 which prescribed for a management plan for every village forest and sought co-operation of the community in protection of these forests. In 1988, the State Government had passed a resolution to formally introduce a scheme of protection of peripheral reserved forest areas with participation of the adjoining villagers by forming a Village Level Forest Protection Committee. The scope of this resolution was enlarged in 1990 to include the protected forests. To make the forest – people interface more effective and transparent, the Government of Odisha in Forest & Environment Department issued a resolution dated 03.07.1993. This resolution dealt in a fairly exhaustive manner the involvement of all local communities in protection of adjoining forests, formation of Vana Samrakshyana Samiti (V.S.S.), duties and responsibilities of the V.S.S. and their Executive Committees and the role of Forest Department and Gram Panchayats, preparation of Joint Forest Management plan, usufructory benefits for the V.S.S. and provisions of MOU and related issues. Subsequently another Government resolution dated 30.09.1996 tried to confer specific rights in favour of the Village Committees in respect of various products. The JFM Resolution 2008 enacted by the Govt. of Odisha, F& E Department vide their Resolution No.17454 dated 22.10.2008 widened the scope to cover the national parks and sanctuaries. This new Resolution paved the way to remove the restriction of harvesting of forest produce

in the national parks and sanctuaries as per the orders of Hon'ble Supreme Court. The different Resolutions published by the State Govt. so far are listed as under.

1. The first Govt. Resolution vide No. 10F (Pron.)-47/88/ 17240/ FFAH dtd. 1.8.1988 and the amended Resolution vide No.10F (Pron.)-47/88/23638/FFAH dtd. 13.10.88., produced at **APPENDIX – XXI I(A).**
2. The third Resolution vide No.10F (Pron.)-4/90/29825/FFAH dtd. 11.12.1990, produced at **APPENDIX – XXI I(B).**
3. The fourth Resolution No.10F (Pron.) 20/93-16700/F&E dtd. 3.7.1993, produced at **APPENDIX – XXI I(C).**
4. The fifth resolution order no. 22180 / FE dtd. 30.09.1996, produced at **APPENDIX – XXII(D).**
5. The Resolution No.17454 dated 22.10.2008, produced at **APPENDIX – VIII.**
6. The Resolution No.16524/1F/Affn.17/2011/F & E dated 09.09.2011, produced at **APPENDIX – XXI I(E).**

9.1.2 Sustainable management of these vital and life sustaining resources involving all the stakeholders by introduction of site specific participatory management practices is essential. Sharing of forest produce with the participant user communities is an important ingredient of the modified JFM Resolution. Apart from constituting Vana Samrakshan Samities in the Reserved Forest, Protected Forests, Village Forest and Revenue Forests as prevalent in the 1996 guideline, the 2008 guideline has provision of managing the national park and sanctuaries) excluding core area, and the mangrove wetland through Eco Development Committees (EDC). It has modified provisions of constituting JFMC (VSS/EDC) where villagers of the adjacent villages or cluster of villages are willing and/or can be motivated to offer active cooperation in management, protection and regeneration of the forests and is applicable to the forests having crown density of less than 40% (to be treated as degraded forest land). Detail provision of constituting the JFMC in a single village/group of villages, allocation of forest land to them to be decided by the Divisional Level Committee (DLC) under the chairmanship of the DFO were prescribed. It is envisaged that the members of the JFMC shall individually and collectively ensure protection of the forests against fire, grazing, illicit felling, theft of forest produce, poaching of wildlife and encroachment of the forest land. They should also ensure protection of wildlife staying

outside the forests. They have to actively help the forest officials in apprehending any person committing forest offence and in giving proper evidence against any such person in the court of law. The committee members will prepare micro plan and annual work plan for integrated development of the village(s) and for the conservation, development and sustainable management of the assigned forests and its wildlife under the guidance of the Forest Department staff. The micro plan to be operative for a period of ten years, shall prescribe various, soil and moisture conservation measures, silvicultural operations, afforestation measures and steps to be taken for livelihood support of the forest dependent communities. It shall also incorporate formation of SHGs and micro-enterprise that may be feasibly undertaken based on locally available resources by them. As a thumb rule two SHG are to be formed in every VSS. In case of EDC, the eco-development plan may include activities such as eco-tourism farm forestry, agro forestry, silvi-pasture development, promotion of fuel-efficient device, veterinary care to the village cattle population, development of pisci-culture, poultry, mushroom cultivation, tassar cultivation, micro-credit facility and providing mobile health care facility etc. Usufructs like fallen leaves, fodder grasses, thatch grass, broom grass, thorny fencing materials, brushwood, fallen lops, tops and twigs to be used as fuel shall be available to the members of the committee free of cost. In addition all intermediate yield in the shape of small wood, poles, firewood etc as a result of silvicultural operations will be available 100% and in case of final yield by 50% to the committee members.

9.1.3 Under different guidelines 177 Vana Samrakshana Samiti (VSS) have been formed in Ghumsur (South) Forest Division ending December 2013 who are protecting and managing 21150 ha (RF 8750 ha, PRF/DPF 7120 ha and Other Forests 5280 ha.). Besides this forest area covering 2891.568 acre have been settled in favour of 524 families under Odisha Forest Rights Act 2006, details are furnished at Table No 1.13 in Chap.–I of Part- I. The list of the VSS's are produced at Appendix-IX in Chapter–I of Part- I.

9.1.4 The JFM (Overlapping) Working Circle includes the working plan area that has been allotted to the Vana Samrakshayna Samities (VSS) constituted as per the Joint Forest Management Resolution of the State. The prescriptions for this working circle extends to the other areas where VSS are likely to be formed during the course of implementation of this working plan.

9.2 CHARACTERS OF VEGETATION

9.2.1 Different types of forests ranging from tropical dry Deciduous Forests to Scrub Forests are allotted to this working circle. Due to intense biotic interference most of these forests have become degraded. Many degraded patches which are now under the protection of VSS have started showing signs of rejuvenation.

9.2.2 The detailed description of the vegetation in these forests has been covered in Chapter 2A of Part I. The important species present are *Shorea robusta*, *Anogeissus latifolia*, *Termilaia tomentosa*, *Ougeinia dalbergioides*, *Syzygium cumini*, *Albizzia*, *Emblica officinalis*, *Adina cordifolia*, *Syzygium cumini*, *Mytragyna parvifolia*, *Aegle marmelos*, *Albizzia procera*, *Schleichera oelosa*, *Holerrhena antidysentrica*, *Nyctanthus arbortristis*, *Ixora arobreia*, *Indigofera*, *Combretum decandrum*, *Casearia tomentosa*, etc. Teak and Bamboo are also present.

9.3 SPECIAL OBJECTIVES OF MANAGEMENT

- i. To involve communities in forest and natural resource management.
- ii. To make the people and Forest Department equal partners in management.
- iii. To restock the barren and blank areas through artificial regeneration.
- iv. To increase the productivity of soil through suitable soil and moisture conservation activities.
- v. To encourage people to rational utilization of their own community resources for the betterment of the community.
- vi. To involve people in NTFP collection and trade as mandated in FRA, 2006.
- vii. To create income generating activities in the villages protecting the forests.

9.4 ANALYSIS AND VALUATION

9.4.1 As mentioned earlier the forest blocks allotted to this working circle are degraded Reserved Forest, Proposed RFs or Demarcated PFs etc. Growing stock estimates of these blocks have been made by inventory and the results are available in the previous chapters of Part-II. As seen from the estimates the growing stock per hectare in these blocks is relatively poor since the forest crop is largely degraded with shrubby growth. All these blocks have potential for rapid improvement since they have rooted waste, coppice shoots and pole crop. Degradation of these forests have taken place due to heavy biotic pressure on

these forests and these blocks have remained in a shrubby state due to constant and uninterrupted pressure of people and cattle for the biomass growing in these forests. Already sign of improvement is seen as a result of good protection work by some VSSs over the last twenty years. It is expected that with the active involvement of VSS and increase in allotment of funds for these degraded forests most of the biotic degrading factors can be arrested leading to rejuvenation of the crop.

9.4.2 As per the JFM Resolution of the State, micro plans are prepared for the area allotted to the VSS. Since degraded forest areas have been recently allotted to the VSS, these forests are still in a degraded state and have been allotted to the Rehabilitation Working Circle. It is expected that the broad treatment for the crop and soil and moisture conservation will be similar. The VSS microplans will be site specific treatment plan and will generally follow the prescription of the Rehabilitation Working Circle and Protection Working Circle. Under no circumstance the micro plan prescriptions will be in contradiction with the Working Plan prescriptions.

9.5 AREA ALLOTMENT

9.5.1 As mentioned above in paras 9.1.1 and 9.4.1 the area allotted to this working circle will remain dynamic and is likely to increase as more and more degraded forest land is allotted to the VSS. There are 177 Nos. of VSSs, protecting and managing forests over 8750ha in RF areas and 12400ha of other forests. The community protected areas are distributed over all the five ranges. Range wise list of VSS is given in **Table No. 9.1**. Forest block wise area assigned to different VSS's are furnished at **Table No. 9.2**.

Table No. 9.1: **Details of sites, area allotted to VSS under JFM(O) Working Circle**

Sl. No.	Name of the Range	No. of V.S.S.	No. of Sites		Area in Ha.		
			R.F.	Others	R.F.	Others	Total
1	2	3	4	5	6	7	8
1	Aska	46	2	44	200.00	5670.00	5870.00
2	Buguda	45	44	1	4050.00	100	4150.00
3	Badagada	27	7	20	800.00	2100.00	2900.00
4	Sorada	31	31	-	3600.00	-	3600.00
5	Polsara	28	-	28	-	4630.00	4630.00
Total:		177	85	92	8750.00	12400.00	21150.00

Source: Divisional Forest Officer, Ghumsur South Division.

Table No. 9.2: Forest Block Wise area assigned to VSSs

Name of the Range	Area of Forest Block (Ha.)	Total Area (Ha.)	Assigned area to VSS under JFM (Ha.)
1	2	3	4
Aska	Pakidi DPF	1970.00	940.00
	Chapudia DPF	260.00	620.00
	Malijhar-II DPF	1735.00	800.00
	Gouduni RF	299.33	200.00
	Badua PRF	80.00	160.00
	Chemedi DPF	1295.00	200.00
	Gdagada DPF	4750.00	500.00
	Suliaguda DPF	875.00	350.00
	Machhakhai DPF	340.00	300.00
	Badagada DPF	11050.00	950.00
	Ambadaban DPF	785.00	500.00
	Kansa DPF	181.53	150.00
	Kantakhhol DPF	390.00	200.00
	Total:	24010.86	5870.00
Buguda	Solundi RF	362.75	350.00
	Nagiri RF	449.55	500.00
	Sandhasulia RF	848.34	350.00
	Chamunda RF	265.59	160.00
	Kadapada RF	677.36	470.00
	Budurungu RF	316.11	270.00
	Panchabhuti RF	1790.28	850.00
	Jhollery DPF	914.98	100.00
	Karchuli-A RF	2232.39	300.00
	Karchuli-B RF	354.66	150.00
	Kriamba RF	8717.81	650.00
	Total:	16929.82	4150.00
Badagada	Raipada RF	2797.27	800.00
	Badagada-A DPF	9135.00	1100.00
	Badagada-B DPF	3705.00	600.00
	Srirampalli PRF	410.00	200.00
	Merikote UDPF	4458.24	100.00
	Badagada-C	-----	100.00
	Total:	20505.51	2900.00
Sorada	Pandakhhol RF	1584.70	1100.00
	Pipalpanka RF	3396.40	600.00
	Hukuma RF	1746.40	400.00
	Bandhagochha RF	1307.33	400.00
	Dhepaguda RF	827.85	300.00
	Raipada RF	2797.27	300.00

Name of the Range	Area of Forest Block (Ha.)	Total Area (Ha.)	Assigned area to VSS under JFM (Ha.)
1	2	3	4
	Dhaugam RF	1032.20	300.00
	Patangi hill RF	-----	100.00
	Mundapita RF	2268.15	100.00
	Total:	14960.00	3600.00
Polsara	Pandripada DPF	13180.00	3470.00
	Purunapani Daburia PRF	2525.00	760.00
	Sodaka-A DPF	400.00	200.00
	Jokalundi PRF	390.00	200.00
	Total:	16495.00	4630.00
Grand Total:		92901.19	21150.00

(The statement furnished above is subject to change after receipt of correct VSS area of the Division from the DFO, Ghumsur South Division.)

9.6 SILVICULTURAL SYSTEM

9.6.1 This working circle is an overlapping circle and hence the Silvicultural system to be followed depends on the prescriptions outlined for the main working circle to which the block is primarily allotted. Moreover, the system of working in these particular areas would be guided by the micro plans prepared in conformity with the prescriptions of the main working circle, jointly by the Forest Department / VSS for the individual VSS allotted areas. The intermediate and final felling to be proposed in the micro plans should be clearly mentioned in the micro plans and the yield needs to be fixed by taking into account all the safeguards.

9.7 METHOD OF EXECUTION OF OPERATIONS

9.7.1 The important task is to demarcate the areas assigned to the VSS for protection and management. It helps to resolve tenurial conflict between villages and give the VSS members a sense of ownership and specific identity which eventually motivates them to protect the forest and helps for the better management. Therefore it is all the more required that the members of both the adjoining VSS are to be involved while taking up survey demarcation work and demarcating the boundary of the allotted areas to different VSSs.

9.7.2 The forest areas assigned to the VSS are largely in the Rehabilitation Working Circle. The microplans should be prepared keeping in view the overall prescriptions of the concerned working circles. All prescriptions for exploitation and harvest should be done

conservatively. Exploitable diameter for different species for final harvest, marking rules, limiting the final yield with emphasis on conservation measures and biotic pressure etc. as prescribed in this plan should be followed while preparing the micro plans. The yield in the area assigned to the VSS should be calculated after providing for safeguard against erosion, illicit felling and other biotic pressures. In areas falling under Rehabilitation Working Circle areas, emphasis should be laid on gap plantations and soil and moisture conservation measures. RDF work will be discouraged by all means and no plantation activities will be taken up in a single patch having area less than 0.25ha.

9.7.3 The micro plans should be prepared for each VSS irrespective of whether money for implementation is available or not. Planning should be done first and efforts should be made to obtain funds from different sources like State Budget, District Budget, CAMPA, DRDA, MPLAD and MLALAD grants and various plan, Non Plan & Centrally Sponsored Plan schemes or from any other sources. While preparing the micro plans, tools like GIS could also be used for better planning. For this, the help of ORSAC can be taken. All the VSS members be involved at the planning stage through PRA exercise and their ideas & views should be respected & honoured.

9.7.4 One micro plan shall be prepared for every VSS adopting the 'Participatory Rural Appraisal' technique (PRA). Before the preparation of Micro-Plan, the forest assigned to the VSS shall be surveyed and demarcated. Pillars should be posted to avoid any future area-dispute among different Samities. A map to scale will be prepared by the field staff and enclosed with the micro plan. Different activities like plantation, soil conservation measures, silvicultural operations like tending and cultural operations, disposal of the cleaning materials, water harvesting structures, pastures etc shall be discussed in detail along with financial outlay in the micro plan. Even sharing mechanism shall also be clearly spelt out. However, the provisions of this micro plan shall be in conformity with the overall prescriptions of this working plan. The guidelines of the most recent JFM *i.e.* those came into force in 2011 will be made applicable in preparing the overall micro plan for the VSS area.

9.7.5 Wherever plantations exist in VSS allotted area, these plantations should be thinned and pruned as per requirement. Sweeping off the floor of plantations for leaves and twigs should be avoided since it affects the cycling of nutrients. Grazing and fire protection should be provided to all plantations. These prescriptions should serve as a guideline while preparing the micro plans in these areas. Efforts should be made as far as possible to identify

the contiguous patches of RF and PRF and these areas should be planted with suitable species to meet the firewood and small timber needs of the villages.

9.7.6 It is important that the motivation level of the people to protect the forests should be sustained for a long period to respond to the protection provided. The gestation period of the forest to provide returns is quite long. During which period there may be conflicts amongst groups of people or stakeholders. Most of the time it is difficult for the Forest Department personnel to keep up the motivation level at the village level due to the multifarious role of its staff. Hence it is advisable to identify genuine NGOs or eminent local persons and opinion makers like teachers, doctors, village level workers etc. who are closely associated with the people and can convince the people and keep up their motivation level and enthusiasm. These persons and institutions should be encouraged and if possible some remuneration should be given to them.

9.7.7 In each village, efforts should be made to create sustainable income generating activities which may be forest product based. Income generating activities (IGA) like sericulture, pisciculture, vermiculture, lakh, and honey collection could be encouraged through the VSS. Many NTFP items are also collected from the forests and efforts should be made to explore processing, value addition and finding good markets for these forest based products. The entry point activities done in different programmes should aim at sustainable income generation to the villages. NGOs specialising in IGA and SHG and marketing should be entrusted with promotion of livelihood amongst the members of the VSS. These NGOs could impart vocational training on sustainable livelihood and value addition for different NTFP items.

9.7.8 Well managed VSS should be identified and rewarded. Their success stories should be given wide publicity and the other VSS members, potential VSS villages should be taken to these successful VSS villages to get inspiration and ideas. These promotional visits would help a great deal to promote the VSS movement in the Division. State govt. has instituted different awards to VSS and other community organisations for protection and better management of forests. All attempts will be made to make all the VSS aware about such Govt. provisions and all the deserving VSS are rewarded.

9.7.9 The capacity of the lower functionaries of the Forest Department should be improved by imparting training and exposure visits, to help them to work along with the

villagers. During training special emphasis should be on enhancement of communication skills of the staff. Proper orientation of the field staff through training, workshops and discussions on the philosophy and need of participatory forest management should be imparted. Similarly the VSS members also need training, exchange of ideas and exposure visits to other successful VSS areas, if possible outside the state.

9.8 CONTROL

9.8.1 All the areas assigned to the VSS should be marked on the top sheets of 1:50000. The works taken up in the VSS areas should be entered in the compartment histories. The checking of compartment histories should form a part of the office inspections by the Conservator of Forests and the DFO.

9.9 RIGHTS AND CONCESSIONS

9.9.1 Rights and concessions in this Working Circle shall be regulated in accordance with the provisions of the relevant gazette notifications of the respective forest blocks and the Govt. of Orissa policy with regard to JFM. The existing rights and concessions have been elaborated in Part I of this plan.

9.10 INTERIM REVISION

9.10.1 No major changes in the prescriptions of this Working Circle are anticipated. However, it may be reviewed if necessary, after five years jointly by the Addl. PCCF (PSM) o/o the PCCF and the RCCF, Berhampur. Any deviations suggested shall be subjected to the sanction of competent authority.

CHAPTER - X

FINANCIAL FORECAST AND FINANCIAL PLAN OF OPERATION

10.1 COST OF THE PLAN

The preparation of the Plan started from July, 2011 and continued up to February, 2015. The total cost of the Plan is Rs. 3,17,60,732/- up to February, 2015. The total forest area covered under this Plan is 111748.10 ha. Thus, the cost of preparation of the Plan comes to Rs. 284.22 per ha. The expenditure on different sub-heads are given in **Table No. 10.1.**

Table No. 10.1: **Cost of Working Plan**

Budget Heads	2011-12	2012-13	2013-14	2014-15 (up to 02 / 2015)	Total
Salary	65,81,321	70,58,628	79,87,864	79,24,155	2,37,72,222
T.E	70,000	60,000	1,00,000	93,000	2,30,000
LTC	25,821	-	42,915	-	68,736
O.E.	99,999	97,000	209,120	1,61,990	4,14,677
Clothing	15,000	8,000	29,961	-	52,961
Computer consumable	10,000	16,000	10,000	12,000	36,000
Spares & Services	8,000	7,000	17,000	9,000	34,500
Up-gradation of computer	-	10,000	20,000	24,000	30,000
Total Establishment	68,10,141	72,56,628	84,16,860	82,24,145	2,46,39,096
Building	1,00,000	1,00,000	-	6,00,000	2,00,000
Working Plan (Non Plan)	1,10,000	2,75,000	4,70,000	2,26,000	8,55,000
State Plan	16,61,000	11,90,636	37,20,000	15,00,000	65,71,636
Total Working Plan	17,71,000	14,65,636	37,20,000	23,26,000	76,72,636
Grand Total:	86,81,141	88,22,264	1,26,06,860	1,05,50,145	3,17,60,732

10.2 ESTIMATED EXPENDITURE FOR IMPLEMENTATION OF THE PRESCRIPTIONS

10.2.1 The Working Plan has been prepared for the period of ten years i.e. from 2014-15 to 2023-24. The investment in forests for silvicultural aspects has shown increasing trend during the 10th plan and subsequent period. Initially during the early years of the 21st century NAP (National Afforestation Plan) was launched in the entire country and has since been under implementation by the FDAs. Major funding in the forestry sector has been due to implementation of MGNREGS, CAMPA, IFM, 13th F.C. Grant, Compensatory Afforestation Scheme etc. The degradation of forests could be checked by proper investment. The investment required to implement the prescriptions of this Working Plan has been calculated in the following sections.

10.2.2 Treatment of Selection Working Circle

- (i) The total area under Selection Working Circle is 15264.67 ha. Thus, the average annual area to be worked out in the Selection Working Circle stands at 1526 ha.
- (ii) The cost norm which will be followed in Selection Working Circle is as follows (Labour rate Rs. 150 per day).
 - a. Demarcation of coupe at the rate of 10 ha/day/labour = $0.1 \times 150 = \text{Rs. } 15/\text{-ha}$
 - b. Marking of coupe at the rate of 5 ha/ day/ labour = $0.2 \times 150 = \text{Rs. } 30 \text{ per ha.}$
 - c. Treatment of Selection coupe which includes subsidiary silvicultural operation, maintenance of Reserve Forest boundary, tracing of fire lines and protection against grazing = Rs. 5000 per ha.
- (iii) The total cost of management under Selection Working Circle is around Rs. 5045 per ha. Therefore, total annual requirement under this Working Circle will be Rs. 76,98,000/- for the year 2015-16 with subsequent rise of 5% every year.

10.2.3 Treatment of Rehabilitation Working Circle

- (i) The total area under Rehabilitation Working Circle is 81,933.44 ha. Thus, the average annual Rehabilitation area to be worked out is 8193.34 ha. The total cost of treatment will be Rs. 10,000/- per ha.
- (ii) The cost norm that will be followed in Rehabilitation Working Circle is given in **Appendix – XXIII(A)**. The total cost of treatment will be Rs. 10,000/- per ha.

- (iii) The total annual requirement under this Working Circle will be Rs. 8,19,33,000 including 4th year maintenance for the year 2015-16 with subsequent rise of 5% every year.

10.2.4 Treatment of Plantation Working Circle

- (i) That total area under Plantation Working Circle is 4943.5 ha. Out of which 1997 ha will be planted and over 2946.5 ha existing plantation will be maintained. Thus, the average annual treatment of Plantation Working Circle area will be 494 ha out of which 200 ha will be planted and 294 ha will be maintained.
- (ii) The cost norm that will be followed in Plantation Working Circle is given in **APPENDIX – XXIII(B)**. The total cost of plantation will be Rs.53250/- per ha spread over four years. The total requirement fund will be Rs.1,06,50,000/- for the year 2015-16 with subsequent rise of 5% every year.
- (iii) The cost norm that will be followed for old existing Plantation is given in **APPENDIX – XXIII(C)**. The total cost of maintenance of existing plantation will be Rs. 6,690/- per ha./annum. The total annual requirement of fund will be Rs. 19,66,000/-.
- (iv) Thus the total requirement of funds will be Rs 1,26,16,000/ for the year 2015-16 with subsequent rise of 5% every year.

10.2.5 Treatment of Protection Working Circle

- (i) That total area under Protection Working Circle is 9606.49 ha. Thus, the average annual treatment area to be worked will be 960.60 ha. The requirement of funds is given below.

	<u>(in Rs.)</u>
➤ Engagement of protection squad	20,00,000/-
➤ SMC work @Rs 3000/ per Ha	28,82,000/-
➤ Engagement of fire fighting squad	7,00,000/-
➤ Maintenance of forest road network	10,50,000/-
➤ Installation and maintenance of communication system	10,00,000/-
➤ Payment of rewards and other misc. expenditures	25,00,000/-
➤ Thus the total requirement of funds will be Rs 1,01,32,000/- for the year 2015-16 with subsequent rise of 5% every year.	

10.2.6 **Treatment of Bamboo (Overlapping) Working Circle**

- (i) The total area under Bamboo (OL) Working Circle is 72308.84 ha. Thus, the average annual bamboo treatment area will be 7231.0 ha.
- (ii) Simultaneous Silvicultural operation of Bamboo to be carried out over 6731 ha per annum. Cost norm for SSO Bamboo shall be 6 MD per ha = Rs. 900/- per ha. Total cost of SSO Bamboo shall be = Rs.60,57,000/- during 2015-16.
- (iii) Regeneration of Degraded Bamboo Forests which are due for working but not delivered due to poor crop condition over 500 ha per annum. The cost norm that will be followed for Regeneration of Degraded Bamboo is Rs. 18,300/- which has been followed in the Department. Hence, Rs.91,50,000/- shall be required for the year 2015-16 including 3rd year maintenance of Bamboo plantation.
- (iv) The total annual requirement of management under Bamboo (OL) Working Circle will be Rs.1,52,07,000/- for the year 2015-16 with subsequent annual rise of 5% every year.

10.2.7 **Treatment of Wildlife (Overlapping) Working Circle**

It is proposed to incur an amount of Rs. 50,00,000/- on L.S for management, improvement and protection of wild life, especially black buck, peacock and fresh water turtles of the Division during 2015-16 with 5% increase in the subsequent years.

10.2.8 **Treatment of NTFP (Overlapping) Working Circle**

It is proposed to incur an amount of Rs. **50,00,000/-** on L.S for training, HRD, extending micro enterprise linkage , field and market survey, SHG promotion and sensitization etc. during 2015-16 with 5% increase in the subsequent years. There will be provision for sending competent Forest Guards, Foresters and Range Officers for training not only outside the state but also abroad.

10.2.9 **Collection of timber, firewood from UD cases and salvage operations**

The expenditure on these activities is kept on lumpsum basis at Rs.50,00,000/- during 2015-16 with subsequent rise of 5% every year.

10.2.10 **Maintenance of boundary**

The average length of Reserved Forest boundary is 612.18 km. The length of non-reserved forest is not calculated but is estimated to be round 752.82 km. Thus, the total boundary length is 1365 km. The average length of boundary to be maintained is 273 km (once in 5 years). The requirement of funds @ Rs 10000/ per Km will be Rs. 27,30,000/-.

10.2.11 **Forest Consolidation**

Four blocks are pending for demarcation. Further, large patches of revenue forest exist for demarcation. The annual expected expenditure for forest consolidation is kept at Rs. 1,00,00,000 for the year 2015-16 with subsequent rise of 5% every year.

10.2.12 **Infrastructure Development**

Purchase or replacement of vehicle at the rate of two vehicles per annum will cost Rs.16 lakhs. The maintenance and purchase of VHF sets require Rs.10 lakh per annum. The expenditure on arms and ammunition will be Rs. 5 lakh per annum. The expenditure on camp equipment, unforeseen and miscellaneous heads will be Rs. 20 lakhs per annum. Thus the total expenditure on infrastructure will be Rs. 51,00,000 per annum for the year 2015-16 with subsequent rise of 5 % every year.

10.2.13 **Joint Forest Management**

The total number of village Sanrakshyana Samiti is 177. The annual average expected expenditure on preparation and implementation of micro plan is kept at Rs. 500000. Thus the total annual expenditure for implementation of JFM policy will be Rs. 8,85,00,000 for the year 2015-16 with subsequent rise of 5% every year.

10.2.14 **Buildings**

The total number of buildings in the Division is 192. Most of these buildings are in dilapidated condition. The average annual maintenance cost of per building is expected to be Rs. 50000. Thus, the estimated annual cost of maintenance of building is Rs. 96,00,000.

10.2.15 **Roads**

The total length of forest roads is 214 Km. The forest roads are in bad shape and require annual maintenance, which amounts to expenditure of Rs. 1,00,000 per Km. Thus, the total annual expenditure on repair and maintenance of roads is Rs. 2,14,00,000/- for the year 2015-16 with subsequent annual rise of 5%.

10.2.16 **Miscellaneous Contingencies:-** An amount of Rs. 1,00,00,000 per annum is estimated on lump sum basis towards computerisation, VHF networking, strengthening of check gates etc. per annum.

10.2.17 **Total Project Cost:-** The total projected cost of implementation of the Working Plan comes to Rs. 28,99,16,000/- or say Rs. 29 Crore for the first year of implementation *i.e.* 2015-16.

10.3 **PROPOSED REVENUE**

10.3.1 It is not the objective and intension of Government to earn revenue from forestry sector. Though forest was being considered as a source of revenue during the pre independence era and for the next 30-40 years after independence, this concept has been changed and more thrust is given for the intangible benefits. Even complete moratorium on green tree felling was imposed for about 12-13 years since 1988-89 in our state. Govt. have vested ownership on the Panchayatiraj institutions for their management with tenurial right. It has not been attempted to evaluate the environmental cost and equate the vast stretches of intangible benefits with money. Gradually the production of forest produce such as timber, bamboo, firewood, NTFPs etc. is decreasing year by year. Hence the average revenue per annum over the previous plan period *i.e.* from 2000-01 to 2013-14 of Ghumsur south Division has been assumed to be constant in the next decade and accepted here for the purpose of calculation and interpretation. The Total Revenue from 2001-02 to 2012-13 comes to Rs. 3,06,56,322/-. Accordingly the Annual Revenue from all sources of Ghumsur South Division comes to be Rs. 25,54,694/- (Revenue from License Fee etc. has been ignored being negligible).

CHAPTER – XI

MISCELLANEOUS REGULATIONS

11.1 GENERAL CONSIDERATIONS

This chapter includes prescription on miscellaneous activities not prescribed in the previous chapters such as construction and maintenance of roads, buildings and maintenance of boundaries etc, handling of salvaged and UD case timbers, forest consolidation, grazing, etc, to name a few. Broadly speaking the prescriptions in this chapter are as per the guideline of the National Working Plan Code'2004.

11.2 PETTY FELLING

11.2.1 Irregular felling shall be discouraged. The dead, uprooted, wind fallen trees shall be salvaged departmentally. The requirement of timber for departmental works, natural calamities like fire, flood, cyclone etc., socio religious functions like car festival etc. should be met from the salvage and UD case timbers. In no case, the green trees should be felled. The Divisional Forest Officer shall undertake the disposal of salvaged, confiscated and undetected case (UD case) timbers either through the Orissa Forest Development Corporation Limited or through local auction. It is observed that most such timbers are not accepted by the Orissa Forest Development Corporation because of poor quality. The delay not only causes the deterioration in quality but also causes loss to Government revenue. The Divisional Forest Officer may take steps to dispose the timbers through local auction regularly to meet local demand. It will reduce the illicit felling from the forests.

11.2.2 All the timber and bamboo coupes due for working shall continue to be worked out by Odisha Forest Development Corporation Limited. But all the silvicultural operations like Subsidiary Silvicultural operation in timber coupes, Simultaneous Silvicultural operation in Bamboo coupes, cleaning, thinning etc. in the prescribed area etc. must be carried out departmentally.

11.2.3 All the trees illicitly felled by smugglers either inside or outside the coupe area are to be salvaged departmentally. The time to time executive or administrative instructions

issued by the PCCF, Odisha & Govt. of Odisha in F&E Dept. may be followed. The salvaged materials shall be delivered to the OFDC Ltd. at truckable points. Before salvaging of illicitly felled trees, all such illicitly felled trees shall be serial number Beat wise or Section wise by the Beat Forest Guard or Section Forester and entered in a Register. The entries should clearly show the species, girth and height of stumps, material removed, material lying the field. The consolidated list of illicitly felled trees are to be reported to the Divisional Forest Officer by the Range Officers before salvaging for obtaining permission for salvaging. At the time of salvaging, the salvaged timber shall be numbered with respect to the stumps serial i.e. 4/1, 4/2, 4/3 where 4 is the stump serial number and 1 is salvaged log serial number. Seized hammer of the concerned Beat Forest Guard shall be impressed on the stump and logs salvaged and U.D. Case where offender is not known shall be booked and if offender is known O.R. Case shall be booked. In case of U.D. Case the material shall be delivered after lapse of two months and in case of OR Case the seized produce should be confiscated to Govt. by the Authorised Officer and disposed of as per the guideline issued by Government issued vide their Letter No. 10F(TR)-23/02.15398/F&E dated Bhubaneswar, the 31st August, 2005. The high stump should be felled flush to the ground by making a blaze on the base of the stump and writing the stump serial number on the base for transparency. The firewood obtained from the salvaged material shall also be impressed with seized hammer and disposed off accordingly.

11.2.4 Similarly timber and firewood from dead, dry, wind fallen, uprooted and from left over in areas as per prescription of this plan shall be salvaged departmentally. In this case the Range Officer shall submit the enumeration list to the Divisional Forest Officer for approval indicating the location anticipated quantity of timber and firewood to be obtained and funds required for salvage operation.

11.2.5 Out of the U.D. Case and salvaged material the required timber for construction of the buildings, repair of houses and office furniture may be utilised departmentally after depositing the royalty as per schedule of rate. The rest of the materials shall be delivered to the OFDC Ltd. and if necessary shall be disposed of through public auction if OFDC fails to respond within one month of being informed to take delivery.

11.2.6 The material obtained from S.S.O. timber and S.S.O. Bamboo shall be entered in a Register and if the area comes under the jurisdiction of a V.S.S. then those material may

be distributed among the members of the V.S.S. Where no V.S.S. is involved the materials may be delivered to the OFDC Ltd.

11.3 DEVIATIONS

No irregular felling in the prescribed area should be permitted. However, if in unprecedented circumstances like *i.e.* natural calamities like cyclone, fire and flood etc. the forest growth is largely affected causing uprooting of trees, half broken, top broken, damaged, then those trees are to be harvested for healthy growth of forest. In such cases, the concerned Range Officer should maintain the Control Forms and statement showing deviation from the working Plan prescription which shall be furnished in the Deviation Statement by the Divisional Forest Officer to the Addl. P.C.C.F., (PSM) through Regional Chief Conservator of Forests who shall sanction the deviation on behalf of PCCF., Odisha.

11.4 RIGHTS AND CONCESSIONS

Rights to forest produce do not exist in any of the Reserved Forests in Ghumusur (S) Division. Rights of way over roads, cart tracks and foot path, right to worship in shrines situated within Reserved Forests and right to use water streams flowing within forest wherever admitted are recorded in section 16 of notifications. The details of rights of right holders in Reserve Forests is given Appendix- IV.

Several concessions like free removal of timber, dry firewood, bamboos, minor forest produce and free grazing were provided to the Kondh residents of villages located in Buguda and Sorada ranges. A list of villages and terms & conditions on which these grants were made is given in the Chief Conservators Proceedings no. 85 dtd. 25.02.1923, reproduced at Appendix –V. These concessions were first introduced in 1906 with the purpose of securing active cooperation of the Kondhs in protecting the forests, particularly, against fires and for supply of labour for forest works. The Kondh population enjoying this concession is scattered over wide areas and thus the control over removal of produce is impossible. However, several villages have been abandoned or shifted. The practice of providing concessions has been given up since long. One of the factors responsible for doing away with the rights and concessions is the increase in the population of Kondhs and the depletion of forest resources. There is no need of reviving this concession.

The rights and concessions allowed in non-reserved forest areas differ widely because these areas belonged to different ex-zamindaris. The details of these rights obtained from Forest Enquiry Committee report is given in Appendix - VII. In most of the cases, many species have been classified as Reserved and Un-reserved with a view to give protection, to the species of timber value in the un-reserved land forest blocks. The classification into Reserved and Un-reserved species does not apply to the Reserved lands, where all the trees are considered to be reserved. In case of un-reserved forest blocks, tenants were allowed to remove un-reserved species either free of cost or at concessional rates of royalty. However, in practice, these concessions were not provided to people because of the depletion of the forest resources. There is no need to revive these concessions because of the present degraded condition of the forests.

In view of the promulgation of Forest Rights Act, 2006 certain rights along with the duties have been granted to the Tribals & Forest Dwellers over some portions of forest and for which Certificate of Titles have been granted by the District Level Committee. Thus the rights coming under the above Act are ought to be respected. In addition all the concessions allowed to the VSSs by the State Govt. like 100% of intermediate felling and 50% of final harvest from the forests under the joint management are to be followed.

11.5 OPENING OF RETAIL SALE DEPOT

At present, the number of retail depot for sale of timbers (small timber, poles and sawn sizes), firewood and bamboos of the Orissa Forest Development Corporation Limited is very less. Their number should be increased and must be opened at District, Sub-division, Tahasil, Block and Range headquarters and at any other place as would be decided by the Divisional Forest Officer. Firewood may be made available to public at cost plus basis without any profit. This will help reduce the illicit felling in forests.

11.6 FOREST CONSOLIDATION

Steps should be taken to declare all the 06 blocks of Proposed Reserved Forests and 22 blocks of Demarcated Protected Forests as Reserved Forests. The Survey and demarcation of 05 blocks of Un-demarcated Protected Forests should be completed immediately so as to initiate the reservation proceedings. The Range Forest Officer should

prepare an annual action plan for survey and demarcation, funds required and other details for approval by the Divisional Forest Officer.

11.7 GRAZING

The Orissa Forest (Grazing of cattle) rules, 1980 and grazing prescription of the concerned Working Circle should be strictly enforced. Special care is required in the areas covered under plantation working circle.

11.8 ENCROACHMENT

The existing encroachments should be marked immediately on the field. Their number and area should be recorded compartment and block wise. The Divisional Forest Officer shall review the cases of encroachments periodically and shall take steps for eviction of the encroachers. The process of encroachment is gradual and usually takes two to three years time. It is difficult to uproot the old encroachments. But fresh encroachments shall be prevented at any cost. The Range Officer shall review the new encroachment case once in every three months and submit the report to the Divisional Forest Officer. While dealing with this matter it may be ensured that all the post 1980 ineligible encroachment cases and all those which are not covered under Forest Right Act'2005 are dealt with heavy hand.

11.9 MAINTENANCE OF BOUNDARY

The condition of the boundary has been described in Chapter 1. The poor condition of the boundary is attributed to lack of adequate funds. This has resulted in the encroachment in the Reserved and Proposed Reserved forests. The boundary pillars are required to be properly maintained. Details of block boundaries i.e. length of forest boundary, number of pillars, pillar to pillar bearing and distances and a record of maintenance of boundaries should be maintained in the Divisional office. Since there is sufficient flow of funds under Intesification of Forest Management, 13th FC Grant and from Non Plan Head for improvement and management of forests maintenance of boundaries should be maintained properly.

The inter divisional boundaries shall be cleared to the width of 10 meters, block boundaries to 8 meters and interior village ring line to 5 meters. Compartment lines,

where they do not follow natural feature like nallah etc, should be cut to the width of 6 meters. All the boundary pillars should be repaired at the time of boundary maintenance. In case of replacement, the old pillars should be replaced by masonry pillars. The boundaries shall be inspected regularly by Forest Guard, Forester and Range Officer as per Codal Provisions. The Divisional Forest Officer and Assistant Conservator of Forests should annually inspect 10 % of boundary lines of the division.

Borassus flabellifer (Tal) or *Phoenix sylvestris* (Khajuri) shall be planted along the block boundary in between boundary pillars. This type of plantation along the block boundary helps to prevent encroachment. If at all there are encroachments, the same can be detected easily during inspection of boundaries. Secondly, there is no chance of shifting the boundaries by any means. Thirdly, it will be easier to locate the position of missing pillars. Since the local people have got some attachment for those trees, they never cut / damage them. After all this method of maintenance of block boundaries is cost effective and one time affair.

The prescription for Annual Maintenance of Forest Block Boundary of Ghumsur (South) Forest Division is furnished in the **APPENDIX – XXVI**.

11.10 ROADS

The list of forest roads is given in **APPENDIX – XXIV**. The roads require maintenance for mobility of staff. The forest roads are in very bad shape because of non maintenance due to paucity of funds upto the last plan period. The roads were maintained up to manageable condition during the working of Selection coupes. The roads that were used for bamboo extraction are being maintained by the RMP. Now that the scenario has changed and fund flow has been augmented from various schemes forest roads need be maintained on priority.

No new roads are suggested. The attention shall be paid to maintenance of existing road only.

11.11 BUILDINGS

The number of buildings in the Division stands at 192. Most of the building quarters are in bad shape because of non- maintenance. The accommodation available for forest Guards, on an average, can be termed as miserable. The quarters located in the interior of the forests have been broken because of non- occupation and non- maintenance. The Divisional Forest Officer should take up the repair of these buildings. Funds allotted for maintenance of buildings of the Division are meager. The Divisional Forest Officer should earmark required percentage of the allotment for maintenance of different categories of buildings in the division giving priority to the quarters of ministerial staff and front line field staff.

11.12 CHECK GATES

The list of notified forest check gates are given in the **APPENDIX – XXV**. These shall be maintained properly. The Divisional Forest Officer shall take steps to strengthen all the forest check gates. In exigencies of the situation, more number of check gates may be installed and notified.

11.13 INTERMEDIATE REVISION

Intermediate revision is not anticipated.

CHAPTER - XII

ESTABLISHMENT AND LABOUR

12.1 ESTABLISHMENT

12.1.1 The territorial jurisdiction of present Ghumsur South Forest Division has been squeezed after reorganization of the Forest Department in 2003 leading to creation of Berhampur Forest Division. The two new Ranges namely Polsara and Badagada have been upgraded from erstwhile Section to Forest Range with minor changes.

12.1.2 The main objective before a territorial Divisional Forest Officer is to protect and manage the forest / wildlife resources in the division. During last two decades the pressure on forest has gone up abruptly leading to illicit felling and destruction of forest resources. The illicit removal of timber, firewood and other forest produce coupled with the repeated forest fire, grazing, and encroachment, shifting cultivation and poaching of wildlife has resulted in serious degradation of forests. There is heaven and hell difference between the nature and magnitude of forest offences occurring two or three decades back and that of being encountered at present. Mostly illicit felling and smuggling of forest produces are being done in organized manner and invariably forest staff / officers encounter with smugglers equipped with deadly weapons. Therefore to combat such a situation, the protection mechanism needs to be revamped by increasing the strength of forest personnel and getting them equipped with arms and ammunition and vehicles for their mobility. The present staffing pattern of the Division is grossly inadequate to meet the challenges from protection point of view. Of course there is provision of engaging protection squads in critically endangered areas, fire prevention squad etc. under central assistance under Schemes like IFM, 13th F.C Grant etc but this arrangement is not fully established and not in perpetuity. There is urgent need to engage such squads under Non Plan Scheme of the State Govt. Hence it is prescribed that ten such special Divisional mobile squads should be constituted each headed by one Foresters and five Forest Guards. Apart from these mobile squads, creation of three special wildlife protection squads headed each by one Forester and five Forest Guards for the protection of Blackbucks of Buguda and Aska Ranges, peacocks of Pakidi area in Aska Ranges and the fresh water turtles of Golia village in Buguda Ranges is

prescribed for providing protection to the fauna of the division. These squads will also be engaged for movement of elephants in Soroda and Buguda Ranges as well. The proposed establishment is as given in **Table No. 12.1.**

Table No. 12.1: **Proposed Establishment of the Division.**

Category	Establishment			Remarks/ justifications
	Present	Proposed	Additional	
D.F.O	01	--	--	--
ACF	02	--	--	--
Forest Ranger	10	12	02	One FR at Gazalbadi, two FR for special mobile squad and the sleeper supply FR should be converted to prosecution FR.
Dy. Ranger	01	--	--	--
Forester	30	35	05	Two Forester for special mobile squad, Two Forester for Gazalbadi Range, One Forester for Wildlife Protection Squad.
Forest Guard	169	184	15	10 FG for special mobile squad and 5 FG for Wildlife protection squad
Orderly Peon	--	17	17	Retired in view of posting of OFG as beat guard
Head Clerk	01	--	--	--
Jr. Accountant	02	--	--	--
Sr. Clerk	05	--	--	--
Jr. Clerk	16	19	03	For additional work
Jr. Steno	01	--	--	--
Driver	03	08	05	For Range vehicles
Chowkidar	01	--	--	--
Dak Runner	01	--	--	--
Gate Keeper	36	--	--	--
B. Chowkidar	05	--	--	--
Amin	--	02	02	For consolidated work
Chainman	--	04	04	For consolidated work
Hazat Watcher	--	07	07	To guard the accused.
Police	--	--	--	--
S.I	01	--	--	--
ASI	01	--	--	--
Habildar	01	--	--	--
Constabale	10	--	--	--

12.2 LABOUR

All types of labourers i.e. skilled, semi-skilled and un-skilled are available in the division. The labour class people used to get engaged by the Orissa Forest Development Corporation Limited for extraction of bamboo during agricultural lean season. All the forestry operations are being conducted by local labourers. Since the OFDC Limited discontinued extraction of bamboo from the forests of this division, it has resulted in exertion of pressure on the forests. These people have resorted to illicit felling of trees in the forests to earn their livelihood.

CHAPTER – XIII

CONTROL AND RECORDS

13.1 MAINTENANCE OF RECORDS

13.1.1 Register of Forest Blocks

Registers of Reserved Forests, Demarcated Protected Forests, Protected Reserve Forests, Un-demarcated Protected Forests and Village Forests are to be maintained properly as per the Forest Department code. One register should contain copies of the original notification declaring the forest blocks under the category that belong. Accurate maps of the block delineating the boundaries and showing the position of the boundary pillars as they exist on the ground and other details like boundary lengths, number of pillars, GPS readings of the pillars, condition of pillars etc. should also be kept as part of said register. All changes / modification in area due to diversion, de-reservation along with copies of such notifications, transfer of forest area to tribals under Forest Right Acts should also be maintained in the register.

13.1.2 Compartment Histories

For want of updated compartment histories during the preceding plan period, it become difficult to collect datas for revision of the Plan. Compartment History Files for all the compartments of the forest blocks have also been prepared in three sets which will be kept in the Chief Conservator of Forest and Working Plan Officer, concerned Divisional Forest Office and at the Forest Range Office for maintenance, in accordance with the standard instructions contained in the O.F.D. Code, 1979, Code of Forest Management and Procedure, 1980 and National Working Plan Code 2004. A stock map on 1:25,000 scales showing growing stock of the compartments has been attached to each such files. Entries in the compartment histories should be completed by Range Officer before 30th of June every year and sent to the Divisional Forest Officer for onward transmission to the Conservator of Forests for perusal within 31st July of such year.

13.1.3 Plantation Journals

Journals for plantations will be maintained for each plantation / rehabilitation work taken up in the Division showing details of operations and their cost, in the forms prescribed in Orissa Forest Plantation Manual 1977. Maps of the plantations showing GPS reading of all pillars on the plantation with all details will also be kept in the plantation journal.

13.1.4 Plantation Register

A plantation register shall be maintained at the Division level giving details of every plantation carried out like year of plantation, location, area, species planted and agency involved. A unique index number will be assigned to individual plantation, and this will also be shown in the Plantation journal. This register should not show any detail of operations, which will be shown in the plantation journals. The plantation register should be maintained in a register as prescribed under Plantation manual 1977.

13.1.5 Register of Silvicultural Operations

A register shall be maintained at the Division level giving details of subsidiary silvicultural operations carried out in Selection, Bamboo coupes. Details of the Coupe, forest block, area covered, clumps, trees attended to etc will be covered.

13.2 FIRE MAPS

Fire maps shall be maintained as per Rule 283 (22) of the Orissa Forest Department Code and National Working Plan Code, 2004. The record should be submitted annually in code Form No. 39 along with fire map to the Conservator of Forests. Burnt area shall be shown on a trace copy of compartment map and details shall be given in respective compartment history. The incidents of fire and the area burnt should be reflected in the GIS database at the Divisional level and in the GIS lab in the O/o the Principal Chief Conservator of Forests, Orissa.

13.3 CONTROL FORMS

The DFO maintains the control forms for monitoring the implementation of the working plan. The standard format of control forms namely (a) Coupe Control Form, (b) Felling Control Form, & (c) Plantation Control forms is given in the Tables below.

A. Coupe Control Form

Working Circle- Periodic Block		Felling Series - Cutting Section		Localities prescribed Localities suggested			Coupe Control Form		
Prescription in brief	W.P. Book para no.	Year due	As carried out			Volume	Excess (+) or Deficit (-)		Remarks & Sanction
			Year	Block/ Comptt.	Area		Area	Volume	
1	2	3	4	5	6	7	8	9	10

B. Felling Control Form

Working Circle Periodic Block		Felling Series Cutting Section		Localities prescribed Localities suggested (With areas)				Coupe Control Form	
Block & Compt.	Area	Species	Diameter class	Trees marked	Unit Factor	Volume Marked	Trees retained	Coupe No.	Page
								% Trees retained	Remarks
1	2	3	4	5	6	7	8	9	10

C. Plantation control form

Working circle

Treatment/Tending Series

Year	Area Prescribed		Area completed (in ha)	Running excess of deficit	Remarks
	Block Compt	Area (in ha)			
1	2	3	4	5	6

13.4 DEVIATION STATEMENTS

Deviation statements are to be maintained by the Divisional Forest Officer as per Rule 132 of the O.F.D. Code and para 81 of the National Working Plan Code, 2004. The format for submission of the deviation statement is given in the Table below. The DFO will forward through the Regional Chief Conservator of Forests, every year copies of this form in triplicate along with the copy of the Control Forms. One copy of the statement will be returned to the DFO and another to the RCCF after the deviations have been sanctioned by the PCCF.

1) Format of Deviation Statement

Serial number of deviation	Control book Name, form no. Page	Reference to <i>Working Plan</i>		Nature of deviation requiring PCCF's sanction
		Paragraph	Nature of prescription	
1	2	3	4	5

13.5 CONTROL FORMS FOR EACH WORKING CIRCLE

The Divisional Forest Officer will maintain an abstract of the operation carried out every year for each of the Working Circles to monitor the progress in implementation of the Working Plan. The following formats shall be used for this purpose. Annual returns will be sent to the Regional Chief Conservator of Forests Territorial and Addl. Principal Chief Conservator of Forest (PSM), O/o. PCCF, Odisha for information. These control forms will be submitted after the end of the working season in July every year.

SELECTION WORKING CIRCLE

SELECTION CONTROL FORM				
FELLING PROVISIONS OF THE WORKING PLAN				
WORKING CIRCLE.....		Selection		
FELLING SERIES.....		Selection Felling Series		
Nature of felling :		Selection Felling		
Units to be marked annually:				
SUMMARY OF UNITS MARKED				
Year	Units marked	Excess or deficit	Running excess or deficit	Remarks
1	2	3	4	5
2014-15				
2015-16				
2016-17				
2017-18				
2018-19				
2019-20				
2020-21				
2021-22				
2022-23				
2023-24				

REHABILITATION WORKING CIRCLE

CONTROL FORM NO

REHABILITATION CONTROL FORM

WORKING CIRCLE: **Rehabilitation**

Series:

Year of Treatment	Area Prescribed					Achievement (in Ha.)		
	Coupe No.	Forest block details				Area	Running Excess/Deficit	Remarks
2014-15	I							
2015-16	II							
2016-17	III							
2017-18	IV							
2018-19	V							
2019-20	VI							
2020-21	VII							
2021-22	VIII							
2022-23	IX							
2023-24	X							

BAMBOO (OVERLAPPING) WORKING CIRCLE

CONTROL FORM NO

FELLING PROVISIONS OF THE WORKING PLAN FOR VOLUME YIELD

WORKING CIRCLE: **Bamboo (Overlapping)**

FELLING SERIES:

Nature of felling : **Culm Selection Cum Clump Improvement**

Units to be marked annually:

Summary of Units Marked					
Year of Working	Annual Coupe	Units Marked (SU)	Excess or Deficit	Running Excess or Deficit	Remarks
2014-15	A				
2015-16	B				
2016-17	C				
2017-18	D				
2018-19	A				
2019-20	B				
2020-21	C				
2021-22	D				
2022-23	A				
2023-24	B				

PLANTATION (OVERLAPPING) WORKING CIRCLE

CONTROL FORM NO.

CONTROL OF TENDING OPERATIONS

WORKING CIRCLE: **Plantation (overlapping)**

PLANTING SERIES:

Reference: Paragraph-

Prescription						Results	
Year	Coupe No.	Forest Block	Status	Comptt	Area in Ha.	Years in which actually done	Remarks
1	2	3	4	5	6	7	8
2014-15	I						
2015-16	II						
2016-17	III						
2017-18	IV						
2018-19	V						
2019-20	VI						
2020-21	VII						
2021-22	VIII						
2022-23	IX						
2023-24	X						

PROTECTION WORKING CIRCLE

CONTROL FORM NO

PROTECTION CONTROL

WORKING CIRCLE: **Protection WC**

Series:

Year of Treatment	Area Prescribed					Achievement (in Ha.)		
	Coupe No.	Forest block details				Area	Running Excess/Deficit	Remarks
2014-15	I							
2015-16	II							
2016-17	III							
2017-18	IV							
2018-19	V							
2019-20	VI							
2020-21	VII							
2021-22	VIII							
2022-23	IX							
2023-24	X							

NTFP (OVERLAPPING) WORKING CIRCLE

CONTROL FORM NO.

NTFP CONTROL FORM

WORKING CIRCLE: **NTFP (overlapping)**

Reference: Paragraph no:

Year	Activities done		
	Name of Forest Block	NTFP Collected	Remarks
2014-15			
2015-16			
2016-17			
2017-18			
2018-19			
2019-20			
2020-21			
2021-22			
2022-23			
2023-24			

WILDLIFE (OVERLAPPING) WORKING CIRCLE

CONTROL FORM NO.

WILDLIFE CONTROL

WORKING CIRCLE: Wildlife (Overlapping)

Year of Treatment	Activities Done		
	Location	Type of Work	Remarks
2014-15			
2015-16			
2016-17			
2017-18			
2018-19			
2019-20			
2020-21			
2021-22			
2022-23			
2023-24			

J F M (OVERLAPPING) WORKING CIRCLE

CONTROL FORM NO.

JFM Control

WORKING CIRCLE: Joint Forest Management (overlapping)

Year	Activities done		
	Nos. of VSS	Microplans done	Remarks (Activities done etc.)
2014-15			
2015-16			
2016-17			
2017-18			
2018-19			
2019-20			
2020-21			
2021-22			
2022-23			
2023-24			

MISCELLANEOUS REGULATIONS

CONTROL FORM NO.

MISCELLANEOUS CONTROL

WORKING CIRCLE: Miscellaneous Regulations		Forest Consolidation	
Reference: Paragraph no:			
Year of Treatment	Activities Done		
	Location	Type of Work	Remarks
2014-15 to 2023-24			
WORKING CIRCLE: Miscellaneous Regulations		Area Discrepancy &	
Reference: Paragraph no:		Reconciliation	
Year of Treatment	Activities Done		
	Location	Type of Work	Remarks
2014-15 to 2023-24			
WORKING CIRCLE: Miscellaneous Regulations		System of Sale & Disposal	
Reference: Paragraph no:			
Year of Treatment	Activities Done		
	Location	Type of Work	Remarks
2014-15 to 2023-24			
WORKING CIRCLE: Miscellaneous Regulations		Irregular Exploitation	
Reference: Paragraph no:			
Year of Treatment	Activities Done		
	Location	Type of Work	Remarks
2014-15 to 2023-24			
WORKING CIRCLE: Miscellaneous Regulations		Maintenance of Block Boundary	
Reference: Paragraph no:			
Year of Treatment	Activities Done		
	Location	Type of Work	Remarks
2014-15 to 2023-24			
WORKING CIRCLE: Miscellaneous Regulations		Forest Fire Management	
Reference: Paragraph no:			
Year of Treatment	Activities Done		
	Location	Type of Work	Remarks
2014-15 to 2023-24			
WORKING CIRCLE: Miscellaneous Regulations		Grazing & Fodder Management	
Reference: Paragraph no:			
Year of Treatment	Activities Done		
	Location	Type of Work	Remarks
2014-15 to 2023-24			

2014-15 to 2023-24			
WORKING CIRCLE: Miscellaneous Regulations			Maintenance of Records
Reference: Paragraph no:			
Year of Activity	Activities Done		
	Type of Records Maintained	Remarks	
2014-15 to 2023-24			
WORKING CIRCLE: Miscellaneous Regulations			Developments of Forest Roads
Reference: Paragraph no:			
Year of Work	Road Details		
	Name	Length Done(in Kms)	Remarks (Works etc)
2014-15 to 2023-24			
WORKING CIRCLE: Miscellaneous Regulations			Developments of
Reference: Paragraph no:			Buildings/Wells
Year of Work	Building/Wells Details		
	Name	Work Done	Remarks
2014-15 to 2023-24			
WORKING CIRCLE: Miscellaneous Regulations			Encroachment
Reference: Paragraph no:			
Year	Activities Done		
	Location	Type of Work	Remarks
2014-15 to 2023-24			
WORKING CIRCLE: Miscellaneous Regulations			Illicit Felling and Prosecution
Reference: Paragraph no:			
Year	Activities Done		
	Actions Taken	Results	Remarks
2014-15 to 2023-24			
WORKING CIRCLE: Miscellaneous Regulations			Communication System &
Reference: Paragraph no:			Mobility
Year	Systems Developed		
	VHFs	Vehicles	Remarks
2014-15 to 2023-24			
WORKING CIRCLE: Miscellaneous Regulations			Human Resources Development
Reference: Paragraph no:			
Year	Actions Taken		
	Trainings	Other Activities	Remarks
2014-15 to 2023-24			

CHAPTER - XIV

SUMMARY OF PRESCRIPTIONS

14.1 SUMMARY OF THE MAIN PRESCRIPTIONS

The summary of the main prescriptions is given in **Table No. 14.1**.

Chapter	Heading	Prescription	Para
I - Basis of Proposal	1. General Objectives	1. Conservation of flora and fauna	1.1.5
		2. To check soil erosion and to maintain hydrological cycle	
		3. Improve conditions, composition and productivity of the forests	
		4. Protect Wildlife to conserve and enrich bio-diversity	
		5. Restock barren, degraded and depleted forests	
		6. Meet the optimum needs of local people	
		7. Generate employment for rural poor people	
	2. Constitution of Working Circles	1. The Selection Working Circle	1.3
		2. The Rehabilitation Working Circle	
		3. The Plantation Working Circle	
		4. The Protection Working Circle	
		5. The Bamboo (Overlapping) Working Circle	
		6. The Non-Timber Forest Produce (Overlapping) Working Circle	
		7. The Wildlife (Overlapping) Working Circle	
		7. The JFM (Overlapping) Working Circle	
	3. Total area	1,11,748.10 hectare or 1117.48 square km	1.3
	4. Period of Plan	10 years (2014 - 2015 to 2023 - 2024)	1.6
	5. Management of JFM Areas	Micro plan as per Working Plan prescriptions, orders of State Government and Supreme Court	1.3.9
II - Selection Working Circle	1. General Constitution	Well stocked forest blocks having crown density more than 40%	2.1
	2. General observation and vegetation	Moist peninsular high level and low level sal in top and lower hill respectively in Pondakhol and Dhaugam	2.2
	3. Special objectives of management	1. Soil and water conservation	2.3
		2. Improve bio-diversity	
		3. Improve stand structure and growing stock	
		4. Encourage natural regeneration	
		5. Obtain sustainable yield.	
	4. Area allotment	Total area 15264.67 ha, four felling series	2.4

Chapter	Heading	Prescription	Para
	5. Analysis and valuation of crop	5% systematic strip enumeration	2.5
	6. Silvicultural system	Selection system	2.6
	7. Choice of species	No preferred species. Fruit bearing species not to be felled.	2.7
	8. Exploitable GBH	1. Bandhan, Sal, Piasal, Sisoo, Gambhar > 120 cm	2.8
		2. All other species > 150 cm	
	9. Felling Cycle	10 years	2.9
	10. Calculation of the yield	Smythies safe-guard formula. Average number of removal of sal and other is limited to 1 and 4 trees per ha respectively.	2.10
	11. Sequence of felling	Sequence of fellings	2.11
	12. Method of execution of fellings	1. Demarcation of annual coupes	2.12
		2. Marking rules	
		3. Execution of marking and felling	
	4. Subsidiary Silvicultural Operations	1. Post felling operation	2.13
		2. Treatment plan and map	
		3. Annual action Plan	
	14. Control	Maintenance of records	2.14
	15. Miscellaneous Regulations	1. Grazing	2.15
		2. Fire Protection	
		3. Rights and concessions	
		4. Sample plots	
III - Rehabilitation Working Circle	1. General Constitution	Forest blocks having abundant root stock and at various stage of degradation	3.1
	2. Special Objectives of Management	1. Re-stock and rehabilitate the degraded forests	3.3
		2. Soil and moisture conservation	
		3. Improve micro-climate condition	
		4. Encourage natural regeneration	
	3. Area and Treatment Series	Total area 81,933.44 ha.	3.4
		Twenty Five (25) treatment series	
	4. Analysis and valuation of crop	1% systematic enumeration wherever feasible and regeneration survey	3.5
	5. Choice of species	Preference of indigenous, Bamboo, NTFP, fruit bearing, fuel wood and leguminous species	3.9
	6. Rehabilitation cycle	10 years	3.10
	7. Yield	No yield is prescribed	3.11
	8. Method of Execution of operation	Demarcation of Annual rehabilitation area	3.13
	9. Preparation of Treatment map	Category wise treatment prescription	3.4.2

Chapter	Heading	Prescription	Para
	10. Working norm	To be decided by the DFO basing on the site specific treatment.	3.17
IV - Plantation Working Circle	1. General Constitution	Permanent blank patches and barren lands	4.1
	2. Special objectives of management	1. Restock the degraded and blank areas	4.3
		2. Enhance land productivity	
		3. Increase bio-diversity	
		4. Reduce grazing pressure	
	3. Area and plantation series	Total area 4943.50 ha	4.13
		Five (05) Plantation Series	
	4. Choice of species	Preference of indigenous, Bamboo, NTFP, fruit bearing fuel-wood and leguminous species	4.5
	5. Plantation Cycle	10 years	4.13
	6. Table of Plantation Series	Plantation sequence	4.13
	7. Method of execution	1. Orissa Forest Plantation Manual, 1977	4.8
		2. Demarcation of annual plantation coupe	
	8. Preparation of site	Site map of scale 1:50,000 etc. Annual action Plan	4.9
V - Protection Working Circle	9. Control	Maintenance of record and plantation journal	4.20
	10. Miscellaneous Regulations	1. Grazing	4.18
		2. Fire Protection	
		3. Rights and concession	
VI - Bamboo (OL) Working Circle	1. General Constitution	Selected Forest Blocks of the Division covering on area of 9606.49 Ha.	5.1
	2. Special Objectives of Management	1. Protection from illicit felling	5.3
		2. Protection of wildlife	
		3. Improve communication network	
	3. Protection Operations	1. Creation of special squad	5.5
		2. Maintenance of boundary line	
VI - Bamboo (OL) Working Circle	1. General Constitution	Forest blocks having good bamboo potential	6.1
	2. Special objectives of management	1. Systematic management for sustained yield	6.3
		2. Meet the demand of local people and artisans	
		3. Meet the demand of Paper Mills	
		4. Generation of employment	
	3. Area and Cutting Series	Total area 72308.84 Ha.	6.4
		Sixteen (16) Cutting Series	
	4. Silvicultural System	Culm selection-cum-Clump improvement	6.5
VI - Bamboo (OL) Working Circle	5. Cutting Cycle	4 years	6.7
	6. Yield	Regulated by area	6.8
	7. Table of cutting Series	Sequence of coupe working	6.9

Chapter	Heading	Prescription	Para
	8. Method of execution of operation	Demarcation of annual cutting areas	6.10
	9. Working of Bamboo	Cutting rules as prescribed by CCF (Central), Regional Office, MOEF, GOI	6.12
	10. Control	Maintenance of records	6.16
VII - Non- Timber Forest Produce (OL) Working Circle	1. General Constitution	All the forest block of Division	7.1
	2. Special objectives of management	1.Collection as per Government policy	7.3
		2. Production of NTFP items and promote regeneration	
		3. Creation of employment	
		4. Development of NTFP based industries	
		5. Involving people through VSS	
	3. Method of execution of operations	1. Demarcation of annual coupes	7.10
		2. Auction	
		3. Scientific method of collection	
	4. Miscellaneous regulations	1. Marketing research	7.11
		2. Sustainable method of collection	
		3. Sale price control	
		4. Awareness	
		5. Maintaining carrying capacity.	
VIII - Wildlife (OL) Working Circle	1. General Constitution	All the forest blocks	8.1
	2. Special objectives of management	1. Conservation and improvement of habitat	8.3
		2. Protection of wildlife	
		3. Eco-tourism and people's participation	
		4. Increase bio-diversity	
	3. Development and improvement of wildlife habitat	Habitat Improvement	8.6.2
	4. Miscellaneous regulations	1. Grazing	8.7
		2. Fire Protection	
		3. Tourism	
		4. Rights and regulations	
IX - JFM (OL) Working Circle	1. General Constitution	177 VSS spreading in all 05 Forest Ranges	9.1
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	4. Special objective of management	Degraded forest is to be managed as per Govt. Resolution from time to time with preparation of Micro plan	9.3

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Chapter	Heading	Prescription	Para
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		Wildlife (OL) Working Circle	
		JFM (OL) Working Circle	
		Miscellaneous Regulations	

14.2 MAINTENANCE OF COMPARTMENT HISTORY AND CONTROL FORMS

The compartment history for all the compartments has been prepared de novo and given in duplicate to the Divisional Forest Officer for use in his division. The compartment history and the control forms shall be maintained as per Chapter VI of the Code of Management Plan Procedure, 1990. The Divisional Forest Officer shall be responsible for the maintenance of the compartment history and timely submission of control forms to the appropriate quarters, so that the Working Plans Officer shall not be facing any problem during revision of this Plan.

14.3 MAPS

Three sets of management maps in 1:50,000 scales have been prepared. Three sets of bamboo management maps in 1:50,000 scales have also been prepared. Two sets each of these maps have been supplied to the Divisional Forest Officer for use by the Range Officer and Divisional office. These maps shall be kept in the safe custody of the Divisional Forest Officer / Range Officer. Balance one set each of these maps has been given to the Working Plans Office, Bhanjanagar for his reference.

Three sets of stock maps in the scale of 1:50,000 scales have been prepared. Out of these, two sets have been provided to the Divisional Forest Officer. One set of administrative map in the scale of 1:50,000 scales have been prepared (mounted on board) for every Range to keep it in their offices for use. Two sets of administrative maps in the scale of 1:2,50,000 scales have been prepared for the entire division. One set (mounted on board) has

been provided to the Divisional Forest Officer for use. The Divisional Forest Officer will be the custodian in respect of the aforesaid maps supplied to the divisional office.

The compartment maps have been proved to the Divisional Forest Officer along with the compartment history and management prescriptions have been shown on the said maps.

Any mistake found in these maps should be immediately brought to the notice of the Working Plans Officer, Bhanjanagar/ WPO, Bhubaneswar for correction.



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APPENDIX – I(A)

Water Level in different time of the year below Ground Level (in mtrs.)

BLOCK_NAME	SITE_NAME	FOREST DIVISION	GWL - 2001				GWL - 2002				GWL – 2003			
			JAN	APRIL	AUG	NOV	JAN	APRIL	AUG	NOV	JAN	APRIL	AUG	NOV
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ASIKA	Aska	Ghumsur (S)	2.23	2.23	0.26	0.70	1.22	6.26	0.13	5.08	1.97	5.88	0.17	0.41
ASIKA	Badakholi	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASIKA	Bhetnai	Ghumsur (S)	4.33	4.33	1.10	1.23	3.03	3.65	0.65	2.65	3.16	4.62	0.15	0.76
ASIKA	Dhaugan	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASIKA	K.nuagan	Ghumsur (S)	6.75	6.75	1.76	2.10	3.18	5.93	1.76	4.06	3.65	7.01	0.34	0.61
ASIKA	Kendupadar	Ghumsur (S)	-0.04	-0.04	0.08	0.49	2.86	4.09	0.75	2.42	2.90	6.82	0.51	0.29
ASIKA	Khandrabali	Ghumsur (S)	2.68	2.68	1.80	1.96	2.40	3.11	0.31	1.76	2.24	6.15	1.71	0.74
ASIKA	Koitra	Ghumsur (S)	5.40	5.40	0.16	0.92	1.91	4.64	1.32	2.32	0.00	5.39	0.67	0.54
ASIKA	Mundamarai	Ghumsur (S)	2.18	2.18	0.79	0.95	2.03	3.66	0.41	2.55	1.68	6.60	0.94	0.84
ASIKA	Nuagaon2	Ghumsur (S)	4.71	4.71	0.74	1.12	2.21	4.67	1.03	2.65	2.83	5.71	0.31	0.60
BELLAGUNTHA	Ambapua	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BELLAGUNTHA	Balipadar	Ghumsur (S)	5.35	5.35	1.29	1.14	2.30	3.20	1.03	1.29	1.62	3.14	1.09	0.75
BELLAGUNTHA	Belaguntha	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BELLAGUNTHA	Belaguntha1	Ghumsur (S)	6.31	6.31	1.20	1.68	3.74	5.59	1.26	2.26	4.25	5.91	1.14	1.34
BELLAGUNTHA	Bhanjanagar-III	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BELLAGUNTHA	Bhanjanagar-II	Ghumsur (S)	0.00	0.00	5.27	3.64	0.00	8.14	0.00	6.95	0.00	5.31	4.94	0.00
BELLAGUNTHA	Buguda	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BELLAGUNTHA	Buguda1	Ghumsur (S)	5.33	5.33	2.07	2.38	3.55	6.88	2.00	3.53	4.03	5.37	1.86	2.08
BELLAGUNTHA	Gobara	Ghumsur (S)	4.48	4.48	0.54	1.39	5.05	7.66	0.38	5.27	6.83	4.36	2.67	2.86
BELLAGUNTHA	Kalamb	Ghumsur (S)	4.92	4.92	1.08	1.38	3.27	6.72	1.08	4.74	3.86	4.74	1.08	0.88
BELLAGUNTHA	Karachuli	Ghumsur (S)	6.00	6.00	2.07	1.80	8.77	10.45	2.22	8.98	9.47	6.99	1.66	1.81

BLOCK_NAME	SITE_NAME	FOREST DIVISION	GWL - 2001				GWL - 2002				GWL – 2003			
			JAN	APRIL	AUG	NOV	JAN	APRIL	AUG	NOV	JAN	APRIL	AUG	NOV
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
BELLAGUNTHA	Kontaipalli	Ghumsur (S)	6.26	6.26	1.38	1.78	4.61	5.82	1.66	3.42	5.57	5.59	0.21	0.32
BELLAGUNTHA	Lathipada	Ghumsur (S)	6.75	6.75	2.16	2.86	5.29	7.70	2.17	5.41	6.44	6.53	2.21	3.12
BELLAGUNTHA	Mangalpur2	Ghumsur (S)	4.68	4.68	1.09	1.73	3.38	8.81	1.77	6.65	6.28	5.77	0.52	0.93
DHARAKOTE	Badagarh	Ghumsur (S)	0.74	0.74	0.28	0.92	2.71	1.70	1.30	0.69	0.00	0.00	0.11	-0.11
DHARAKOTE	Dharkote	Ghumsur (S)	4.29	4.29	2.02	2.02	1.74	3.24	2.02	2.66	3.52	5.76	1.35	1.57
DHARAKOTE	Gangapur	Ghumsur (S)	6.54	6.54	2.88	3.56	4.42	6.03	2.12	4.27	4.38	4.66	1.15	2.25
DHARAKOTE	Manikyapur	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	2.88	0.00	0.00	0.00	0.00	0.00
DHARAKOTE	Suramani	Ghumsur (S)	2.98	2.98	1.65	4.96	5.10	5.29	2.88	3.62	5.30	6.22	2.62	3.06
JAGANATHPRASAD	Baragam	Ghumsur (S)	5.00	5.00	1.08	1.89	3.59	4.61	1.24	3.74	4.16	5.61	0.81	1.24
JAGANATHPRASAD	Chadeiapalli Chhak	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
JAGANATHPRASAD	Chamkahandi	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
JAGANATHPRASAD	Gayagonda	Ghumsur (S)	3.48	3.48	1.36	2.42	3.43	3.65	1.46	2.05	3.91	6.11	1.17	3.05
JAGANATHPRASAD	Jagannath prasad	Ghumsur (S)	3.90	3.90	1.33	1.57	4.92	6.12	2.22	5.15	5.29	6.07	0.58	1.38
JAGANATHPRASAD	Jhadabhumi	Ghumsur (S)	6.86	6.86	0.75	1.83	4.96	6.11	2.13	5.01	5.36	0.00	0.17	0.82
JAGANATHPRASAD	Saishamuli	Ghumsur (S)	6.19	6.19	1.23	5.73	3.33	5.06	0.56	2.51	4.38	7.55	3.33	1.19
JAGANATHPRASAD	Tarasingi	Ghumsur (S)	6.98	6.98	1.79	2.55	7.68	7.60	2.31	6.39	8.38	4.10	1.30	2.15
KAVISURJYANAGAR	Gudiali	Ghumsur (S)	8.25	8.25	0.41	1.31	3.23	5.93	1.62	5.65	4.58	0.00	1.03	0.42
KAVISURJYANAGAR	K.s.nagar	Ghumsur (S)	7.55	7.55	0.94	1.04	4.35	6.93	1.07	5.47	4.97	4.71	0.25	0.24
POLASARA	Palsora	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLASARA	Polasora	Ghumsur (S)	9.66	9.66	2.39	2.97	7.78	10.00	5.11	4.03	8.88	9.38	1.56	2.38
SARGAD	Pudangi	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SARGAD	Sheragada	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	3.18	0.00	0.00	0.00	0.00	0.00
SARGAD	Sheragada1	Ghumsur (S)	6.17	6.17	4.17	5.11	4.70	7.80	2.85	6.41	4.71	6.12	4.23	4.08
SARGAD	Subash Ch.Pur	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SURADA	Sorada	Ghumsur (S)	3.43	3.43	0.67	1.39	2.33	2.74	0.91	1.31	2.80	5.71	0.67	0.80
ASIKA	Aska	Ghumsur (S)	1.06	2.54	0.16	0.63	1.66	2.77	0.07	0.00	2.02	1.84	0.06	0.62

BLOCK_NAME	SITE_NAME	FOREST DIVISION	GWL - 2001				GWL - 2002				GWL – 2003			
			JAN	APRIL	AUG	NOV	JAN	APRIL	AUG	NOV	JAN	APRIL	AUG	NOV
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ASIKA	Badakholi	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASIKA	Bhetnai	Ghumsur (S)	2.80	3.93	0.46	1.19	3.30	0.00	0.28	0.00	3.33	3.17	0.20	1.81
ASIKA	Dhaugan	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASIKA	K.nuagan	Ghumsur (S)	1.66	2.79	0.53	1.33	2.62	3.10	1.61	0.00	4.08	4.69	0.26	2.78
ASIKA	Kendupadar	Ghumsur (S)	3.19	3.81	1.00	1.10	1.58	0.00	0.74	0.00	2.66	2.66	0.77	1.48
ASIKA	Khandrabali	Ghumsur (S)	2.39	4.77	1.60	1.90	2.42	2.70	1.38	0.00	2.80	2.52	1.58	1.73
ASIKA	Koitra	Ghumsur (S)	1.93	1.65	0.02	0.20	1.98	0.00	0.00	0.00	1.81	0.00	0.74	1.63
ASIKA	Mundamarai	Ghumsur (S)	1.59	2.01	0.79	0.91	2.16	2.12	0.68	0.00	2.18	2.38	0.99	0.78
ASIKA	Nuagaon2	Ghumsur (S)	2.05	4.63	1.22	1.08	2.97	0.00	0.21	0.00	2.71	1.58	0.24	1.16
BELLAGUNTHA	Ambapua	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BELLAGUNTHA	Balipadar	Ghumsur (S)	1.02	3.70	0.98	1.42	2.66	0.00	0.60	0.00	4.30	3.33	0.47	1.24
BELLAGUNTHA	Belaguntha	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.79	1.01	0.00
BELLAGUNTHA	Belaguntha1	Ghumsur (S)	1.82	3.64	1.35	1.96	7.93	7.54	1.24	0.00	5.74	6.72	1.15	1.68
BELLAGUNTHA	Bhanjanagar-III	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BELLAGUNTHA	Bhanjanagar-II	Ghumsur (S)	0.00	0.00	3.36	0.00	0.00	0.00	3.50	0.00	5.93	0.00	0.00	6.82
BELLAGUNTHA	Buguda	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.14	2.29	0.00
BELLAGUNTHA	Buguda1	Ghumsur (S)	3.53	5.84	1.81	2.27	3.74	4.79	0.00	0.00	3.85	5.45	1.91	2.29
BELLAGUNTHA	Gobara	Ghumsur (S)	4.10	5.88	2.14	2.96	4.54	5.48	2.85	0.00	3.40	6.53	2.44	1.04
BELLAGUNTHA	Kalamb	Ghumsur (S)	3.82	6.60	2.34	2.33	5.28	6.95	2.25	0.00	6.02	5.00	0.33	3.30
BELLAGUNTHA	Karachuli	Ghumsur (S)	4.69	7.73	1.81	3.05	7.94	0.00	0.00	0.00	8.77	9.09	0.00	2.83
BELLAGUNTHA	Kontaipalli	Ghumsur (S)	2.37	4.76	0.46	0.65	3.81	3.61	0.27	0.00	3.31	6.46	0.22	3.62
BELLAGUNTHA	Lathipada	Ghumsur (S)	4.67	7.05	2.21	4.63	6.80	8.89	0.69	0.00	5.79	9.89	3.30	4.59
BELLAGUNTHA	Mangalpur2	Ghumsur (S)	2.96	0.00	1.20	1.64	3.47	5.06	2.06	0.00	3.51	0.00	0.85	2.32
DHARAKOTE	Badagarh	Ghumsur (S)	1.20	1.27	2.34	0.48	1.57	0.00	0.00	0.00	3.87	0.96	0.08	0.19
DHARAKOTE	Dharkote	Ghumsur (S)	1.97	3.24	1.37	1.85	2.85	3.84	1.44	0.00	4.04	3.49	0.91	1.52

BLOCK_NAME	SITE_NAME	FOREST DIVISION	GWL - 2001				GWL - 2002				GWL – 2003			
			JAN	APRIL	AUG	NOV	JAN	APRIL	AUG	NOV	JAN	APRIL	AUG	NOV
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
DHARAKOTE	Gangapur	Ghumsur (S)	3.70	5.37	1.56	2.86	4.86	6.42	1.37	0.00	5.62	7.00	2.40	4.12
DHARAKOTE	Manikyapur	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.89	2.61	0.00
DHARAKOTE	Suramani	Ghumsur (S)	4.53	4.82	3.56	3.91	4.61	4.68	1.96	0.00	0.00	3.61	2.27	1.81
JAGANATHPRASAD	Baragam	Ghumsur (S)	3.02	4.62	1.20	2.12	3.87	5.03	0.00	0.00	4.99	0.00	0.90	1.69
JAGANATHPRASAD	Chadeiapalli Chhak	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
JAGANATHPRASAD	Chamkahandi	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
JAGANATHPRASAD	Gayagonda	Ghumsur (S)	3.21	8.42	2.52	2.08	2.40	4.18	0.84	0.00	4.54	4.08	2.26	2.35
JAGANATHPRASAD	Jagannath prasad	Ghumsur (S)	4.28	6.14	1.43	1.60	4.87	6.10	0.00	0.00	3.86	6.01	0.89	2.49
JAGANATHPRASAD	Jhadabhumi	Ghumsur (S)	3.78	0.00	0.60	1.35	4.66	0.00	0.00	0.00	6.50	5.72	0.00	1.90
JAGANATHPRASAD	Saishamuli	Ghumsur (S)	2.62	4.37	0.63	1.79	2.77	4.03	0.46	0.00	6.73	0.00	2.34	6.33
JAGANATHPRASAD	Tarasingi	Ghumsur (S)	5.43	7.79	1.77	3.74	6.18	7.33	1.26	0.00	3.38	7.01	1.49	2.93
KAVISURJYANAGAR	Gudiali	Ghumsur (S)	3.74	5.74	1.46	1.11	4.54	0.00	0.00	0.00	4.13	7.60	0.44	2.80
KAVISURJYANAGAR	K.s.nagar	Ghumsur (S)	2.47	5.23	0.39	0.86	5.34	6.25	0.21	0.00	5.85	4.35	0.21	1.42
POLASARA	Palsora	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.71	1.99	0.00
POLASARA	Polasora	Ghumsur (S)	6.07	7.70	4.28	4.61	8.03	9.38	0.00	0.00	4.03	8.33	1.71	3.89
SARGAD	Pudangi	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SARGAD	Sheragada	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.04	2.20	0.00
SARGAD	Sheragada1	Ghumsur (S)	5.66	6.37	4.36	5.28	5.95	6.65	3.73	0.00	5.60	6.36	1.66	5.10
SARGAD	Subash Ch.Pur	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SURADA	Sorada	Ghumsur (S)	2.34	3.14	1.12	2.14	2.90	2.69	0.65	0.00	3.23	6.13	0.53	1.66
ASIKA	Aska	Ghumsur (S)	1.14	2.65	0.22	1.95	2.02	6.07	-0.05	0.90	1.16	2.22	-0.01	0.75
ASIKA	Badakholi	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASIKA	Bhetnai	Ghumsur (S)	4.71	3.54	1.32	2.34	2.81	6.23	0.85	1.34	4.37	4.88	0.94	6.30
ASIKA	Dhaugan	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASIKA	K.nuagan	Ghumsur (S)	4.06	4.61	0.58	3.98	2.48	8.98	0.88	3.99	3.30	4.23	0.97	1.84
ASIKA	Kendupadar	Ghumsur (S)	3.39	3.07	0.88	1.12	1.52	4.72	0.21	-0.09	0.00	0.00	0.00	0.00

BLOCK_NAME	SITE_NAME	FOREST DIVISION	GWL - 2001				GWL - 2002				GWL – 2003			
			JAN	APRIL	AUG	NOV	JAN	APRIL	AUG	NOV	JAN	APRIL	AUG	NOV
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ASIKA	Khandrabali	Ghumsur (S)	2.35	2.92	1.46	1.78	2.48	3.10	1.45	0.80	2.58	2.96	1.69	2.45
ASIKA	Koitra	Ghumsur (S)	1.93	1.87	0.10	0.21	1.77	3.61	0.00	0.00	1.90	0.00	0.00	0.00
ASIKA	Mundamarai	Ghumsur (S)	2.03	2.54	0.94	0.75	1.70	5.75	0.57	0.39	1.97	2.96	0.58	1.59
ASIKA	Nuagaon2	Ghumsur (S)	1.87	4.97	0.42	0.93	1.09	4.93	0.31	0.08	2.19	2.86	0.32	1.36
BELLAGUNTHA	Ambapua	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BELLAGUNTHA	Balipadar	Ghumsur (S)	2.30	3.73	0.45	1.79	2.33	5.79	0.56	1.00	2.08	4.45	0.45	1.21
BELLAGUNTHA	Belaguntha	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.76	0.00	2.05	1.64
BELLAGUNTHA	Belaguntha1	Ghumsur (S)	4.44	7.38	1.30	1.64	4.02	7.47	1.24	0.85	4.40	6.04	1.39	2.05
BELLAGUNTHA	Bhanjanagar-III	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BELLAGUNTHA	Bhanjanagar-II	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BELLAGUNTHA	Buguda	Ghumsur (S)	0.00	0.00	2.32	0.00	3.20	0.00	0.00	0.00	2.25	0.00	1.69	2.27
BELLAGUNTHA	Buguda1	Ghumsur (S)	3.59	0.00	1.87	2.25	3.22	6.64	1.95	1.06	2.84	3.24	2.96	2.23
BELLAGUNTHA	Gobara	Ghumsur (S)	1.71	5.85	1.21	1.60	1.88	6.50	0.65	1.28	0.00	4.05	1.43	2.35
BELLAGUNTHA	Kalamb	Ghumsur (S)	5.02	4.89	1.64	1.83	4.98	6.93	1.51	1.32	5.70	7.71	1.60	2.50
BELLAGUNTHA	Karachuli	Ghumsur (S)	6.74	6.15	0.10	2.68	7.18	7.68	1.79	2.52	6.88	9.71	3.65	2.47
BELLAGUNTHA	Kontaipalli	Ghumsur (S)	5.08	5.43	0.30	0.64	1.79	5.92	1.19	0.30	4.89	7.10	3.73	3.02
BELLAGUNTHA	Lathipada	Ghumsur (S)	5.88	8.94	2.92	3.52	5.72	7.09	3.45	2.79	5.27	9.44	2.57	3.18
BELLAGUNTHA	Mangalpur2	Ghumsur (S)	3.76	5.51	1.04	3.52	4.03	5.81	1.23	3.09	3.55	5.81	1.17	1.79
DHARAKOTE	Badagarh	Ghumsur (S)	1.34	0.00	6.30	4.73	5.34	7.61	-0.02	0.00	4.87	0.00	0.67	1.61
DHARAKOTE	Dharkote	Ghumsur (S)	2.11	3.36	1.45	3.93	1.85	3.44	1.13	3.56	1.97	3.07	1.17	1.65
DHARAKOTE	Gangapur	Ghumsur (S)	4.83	5.99	2.33	2.32	4.39	5.13	1.24	1.83	4.41	6.73	1.44	2.34
DHARAKOTE	Manikyapur	Ghumsur (S)	0.00	0.00	2.93	0.00	0.00	0.00	0.00	0.00	3.17	0.00	2.08	2.64
DHARAKOTE	Suramani	Ghumsur (S)	2.68	4.82	1.72	3.78	4.39	5.90	1.36	3.29	4.30	4.95	1.32	1.89
JAGANATHPRASAD	Baragam	Ghumsur (S)	3.35	4.61	1.36	1.78	1.93	5.78	0.84	3.60	3.46	7.06	1.35	2.20
JAGANATHPRASAD	Chadeiapalli Chhak	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
JAGANATHPRASAD	Chamkahandi	Ghumsur (S)	0.00	0.00	1.33	2.78	2.83	7.23	0.00	0.00	1.20	1.43	0.99	1.39

BLOCK_NAME	SITE_NAME	FOREST DIVISION	GWL - 2001				GWL - 2002				GWL – 2003			
			JAN	APRIL	AUG	NOV	JAN	APRIL	AUG	NOV	JAN	APRIL	AUG	NOV
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
JAGANATHPRASAD	Gayagonda	Ghumsur (S)	3.85	4.69	2.44	2.11	2.31	6.71	0.00	3.03	0.00	4.40	1.94	2.34
JAGANATHPRASAD	Jagannath prasad	Ghumsur (S)	4.89	6.13	1.27	3.51	4.41	7.26	0.55	4.06	3.05	4.92	0.68	1.15
JAGANATHPRASAD	Jhadabhumi	Ghumsur (S)	3.87	6.61	0.83	1.99	3.47	5.79	0.61	2.98	3.81	6.00	1.81	1.85
JAGANATHPRASAD	Saishamuli	Ghumsur (S)	6.18	3.94	3.48	6.25	6.43	6.51	3.34	5.40	6.35	6.51	3.44	6.08
JAGANATHPRASAD	Tarasingi	Ghumsur (S)	5.31	7.20	2.16	2.83	3.18	6.83	2.27	2.19	3.29	6.35	2.35	4.24
KAVISURJYANAGAR	Gudiali	Ghumsur (S)	6.28	8.72	0.69	1.95	5.04	8.14	1.08	1.33	4.86	6.57	1.40	1.83
KAVISURJYANAGAR	K.s.nagar	Ghumsur (S)	3.97	6.26	0.33	1.03	4.26	5.73	0.30	3.73	2.33	5.48	0.86	1.51
POLASARA	Palsora	Ghumsur (S)	0.00	0.00	3.26	0.00	5.10	0.00	0.00	0.00	2.98	0.00	2.31	3.79
POLASARA	Polasora	Ghumsur (S)	6.23	7.39	2.21	4.46	4.84	7.70	2.39	3.69	4.66	7.21	2.51	3.92
SARGAD	Pudangi	Ghumsur (S)	0.00	0.00	2.98	2.17	3.55	4.36	1.66	0.00	3.18	4.39	1.68	2.70
SARGAD	Sheragada	Ghumsur (S)	0.00	0.00	3.41	0.00	4.88	0.00	0.00	0.00	3.30	3.62	1.19	3.26
SARGAD	Sheragada1	Ghumsur (S)	5.66	5.04	3.05	1.35	3.12	7.35	2.55	0.00	3.29	5.50	2.48	3.31
SARGAD	Subash Ch.Pur	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SURADA	Sorada	Ghumsur (S)	2.32	3.21	1.14	1.30	2.19	6.63	0.38	0.84	2.46	0.00	0.41	1.50
ASIKA	Aska	Ghumsur (S)	0.83	2.26	-0.11	0.16	0.74	0.79	0.23	1.14	1.42	4.36	-0.05	0.02
ASIKA	Badakholi	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASIKA	Bhetnai	Ghumsur (S)	3.98	3.91	0.64	0.69	1.61	3.16	0.40	2.64	3.55	3.80	0.50	0.23
ASIKA	Dhaugan	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASIKA	K.nuagan	Ghumsur (S)	2.96	3.81	0.21	0.79	1.30	3.89	-0.01	1.34	2.99	3.54	0.07	0.80
ASIKA	Kendupadar	Ghumsur (S)	0.00	3.74	1.27	0.99	1.77	0.18	0.92	1.77	3.16	4.18	0.68	0.75
ASIKA	Khandrabali	Ghumsur (S)	2.86	3.09	1.47	1.62	2.41	2.24	1.46	2.08	2.55	3.31	1.39	1.35
ASIKA	Koitra	Ghumsur (S)	0.00	1.19	0.92	0.20	1.32	0.00	0.47	1.03	0.00	0.00	0.00	0.74
ASIKA	Mundamarai	Ghumsur (S)	1.48	1.34	0.80	0.95	1.95	2.32	0.66	1.27	1.80	2.70	0.50	1.22
ASIKA	Nuagaon2	Ghumsur (S)	1.54	5.92	1.00	1.15	1.93	2.19	1.09	2.63	8.51	5.52	0.82	0.67
BELLAGUNTHA	Ambapua	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BELLAGUNTHA	Balipadar	Ghumsur (S)	1.52	4.21	0.41	0.67	1.47	3.20	0.47	2.51	4.08	5.88	0.36	0.30

BLOCK_NAME	SITE_NAME	FOREST DIVISION	GWL - 2001				GWL - 2002				GWL – 2003			
			JAN	APRIL	AUG	NOV	JAN	APRIL	AUG	NOV	JAN	APRIL	AUG	NOV
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
BELLAGUNTHA	Belaguntha	Ghumsur (S)	2.05	6.60	2.66	2.17	2.42	4.23	1.96	2.51	3.90	4.67	1.80	1.85
BELLAGUNTHA	Belaguntha1	Ghumsur (S)	1.86	5.19	1.62	1.46	2.05	4.72	1.23	2.55	3.95	5.37	1.13	1.21
BELLAGUNTHA	Bhanjanagar-III	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BELLAGUNTHA	Bhanjanagar-II	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	5.64	0.00	0.00	0.00	5.80	3.28
BELLAGUNTHA	Buguda	Ghumsur (S)	2.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.48	4.52	1.98	2.96
BELLAGUNTHA	Buguda1	Ghumsur (S)	2.50	3.30	1.98	2.44	2.64	3.27	1.86	2.51	2.85	3.66	1.99	2.45
BELLAGUNTHA	Gobara	Ghumsur (S)	0.00	4.00	1.58	1.17	1.66	4.15	1.12	2.36	3.20	4.79	1.98	0.55
BELLAGUNTHA	Kalamb	Ghumsur (S)	3.19	8.86	5.23	1.84	4.50	7.43	6.37	6.38	7.67	9.33	7.15	1.52
BELLAGUNTHA	Karachuli	Ghumsur (S)	3.87	4.53	1.73	1.70	2.42	2.75	1.03	2.08	4.65	3.62	1.70	0.94
BELLAGUNTHA	Kontaipalli	Ghumsur (S)	4.69	5.12	0.74	0.66	1.57	6.20	0.50	1.19	5.81	6.50	0.70	1.32
BELLAGUNTHA	Lathipada	Ghumsur (S)	4.91	7.74	2.21	2.62	2.86	6.34	1.20	4.95	6.11	8.10	3.61	0.43
BELLAGUNTHA	Mangalpur2	Ghumsur (S)	2.86	5.37	5.17	2.47	2.34	4.00	2.43	0.00	4.56	6.79	1.99	1.30
DHARAKOTE	Badagarh	Ghumsur (S)	0.00	8.97	5.90	4.68	7.34	0.00	2.50	6.84	1.09	9.03	6.52	4.44
DHARAKOTE	Dharkote	Ghumsur (S)	2.42	3.45	1.71	1.10	2.05	4.24	0.90	1.22	2.26	3.71	1.30	0.84
DHARAKOTE	Gangapur	Ghumsur (S)	4.30	5.82	2.40	2.15	2.39	4.72	1.11	2.93	4.47	6.25	2.06	0.52
DHARAKOTE	Manikyapur	Ghumsur (S)	0.00	7.65	2.25	2.76	0.00	7.50	2.19	2.97	0.00	7.63	2.10	2.85
DHARAKOTE	Suramani	Ghumsur (S)	4.02	4.62	2.01	1.61	4.14	3.05	1.12	3.72	4.50	4.91	2.23	2.58
JAGANATHPRASAD	Baragam	Ghumsur (S)	3.19	3.15	1.27	1.22	2.08	4.21	1.26	2.78	3.81	4.86	1.21	0.67
JAGANATHPRASAD	Chadeiapalli Chhak	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
JAGANATHPRASAD	Chamkahandi	Ghumsur (S)	1.50	4.14	0.83	0.51	1.93	0.88	0.85	1.38	1.04	1.58	0.95	0.99
JAGANATHPRASAD	Gayagonda	Ghumsur (S)	2.93	4.50	2.12	1.70	3.20	4.03	1.60	3.44	3.73	4.10	1.94	2.60
JAGANATHPRASAD	Jagannath prasad	Ghumsur (S)	2.42	6.07	1.42	1.47	3.29	5.57	0.62	2.84	4.68	5.82	0.94	0.70
JAGANATHPRASAD	Jhadabhumi	Ghumsur (S)	3.46	6.93	1.31	1.16	2.56	5.25	0.91	2.13	4.85	4.41	1.26	0.45
JAGANATHPRASAD	Saishamuli	Ghumsur (S)	6.31	7.04	6.05	5.24	6.27	6.75	2.80	5.78	6.53	6.34	4.72	2.88
JAGANATHPRASAD	Tarasingi	Ghumsur (S)	4.38	8.27	2.49	2.34	3.59	7.03	1.39	3.20	3.46	4.30	1.64	1.59
KAVISURJYANAGAR	Gudiali	Ghumsur (S)	4.79	6.95	1.41	0.64	2.12	5.43	1.19	4.34	5.63	7.56	1.72	2.03

BLOCK_NAME	SITE_NAME	FOREST DIVISION	GWL - 2001				GWL - 2002				GWL – 2003			
			JAN	APRIL	AUG	NOV	JAN	APRIL	AUG	NOV	JAN	APRIL	AUG	NOV
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
KAVISURJYANAGAR	K.s.nagar	Ghumsur (S)	2.25	6.36	0.38	0.18	1.51	0.77	0.06	1.96	2.77	5.28	0.08	0.15
POLASARA	Palsora	Ghumsur (S)	4.40	6.93	0.00	4.01	2.52	5.95	3.35	3.96	4.85	6.01	3.14	3.86
POLASARA	Polasora	Ghumsur (S)	5.20	6.60	2.57	3.65	4.49	6.33	1.41	4.41	4.66	7.19	1.77	1.23
SARGAD	Pudangi	Ghumsur (S)	3.30	4.91	0.26	1.64	2.93	4.86	1.31	2.31	2.24	3.93	-1.03	1.88
SARGAD	Sheragada	Ghumsur (S)	3.70	5.45	3.61	1.83	3.66	3.65	1.29	4.09	3.65	0.00	3.36	1.72
SARGAD	Sheragada1	Ghumsur (S)	4.70	6.26	2.36	1.51	3.95	5.30	1.01	3.61	4.42	4.72	2.43	0.32
SARGAD	Subash Ch.Pur	Ghumsur (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SURADA	Sorada	Ghumsur (S)	1.93	3.10	1.44	1.04	1.84	2.83	0.99	2.04	2.86	2.45	1.74	0.64

BLOCK_NAME	SITE_NAME	FOREST DIVISION	GWL – 2013			
			JAN	APRIL	AUG	NOV
1	2	3	4	5	6	7
ASIKA	Aska	Ghumsur (S)	1.67	4.82	0.20	0.00
ASIKA	Badakholi	Ghumsur (S)	0.00	2.26	1.42	0.00
ASIKA	Bhetnai	Ghumsur (S)	2.83	3.97	0.75	0.00
ASIKA	Dhaugan	Ghumsur (S)	0.00	0.00	0.00	0.00
ASIKA	K.nuagan	Ghumsur (S)	4.28	4.93	0.90	0.00
ASIKA	Kendupadar	Ghumsur (S)	2.56	3.06	0.50	0.00
ASIKA	Khandrabali	Ghumsur (S)	2.00	2.10	1.70	0.00
ASIKA	Koitra	Ghumsur (S)	1.98	0.00	0.65	0.00
ASIKA	Mundamarai	Ghumsur (S)	1.98	1.68	0.60	0.00
ASIKA	Nuagaon2	Ghumsur (S)	2.36	6.19	0.70	0.00
BELLAGUNTHA	Ambapua	Ghumsur (S)	0.00	8.00	3.55	0.00
BELLAGUNTHA	Balipadar	Ghumsur (S)	1.20	4.46	0.70	0.00
BELLAGUNTHA	Belaguntha	Ghumsur (S)	3.85	0.00	0.00	0.00
BELLAGUNTHA	Belaguntha1	Ghumsur (S)	3.14	5.34	1.35	0.00
BELLAGUNTHA	Bhanjanagar-III	Ghumsur (S)	0.00	0.00	0.00	0.00
BELLAGUNTHA	Bhanjanagar-II	Ghumsur (S)	3.68	7.36	3.87	0.00
BELLAGUNTHA	Buguda	Ghumsur (S)	4.01	0.00	0.00	0.00
BELLAGUNTHA	Buguda1	Ghumsur (S)	2.75	3.66	2.00	0.00
BELLAGUNTHA	Gobara	Ghumsur (S)	4.02	5.76	0.47	0.00
BELLAGUNTHA	Kalamb	Ghumsur (S)	5.30	4.92	2.50	0.00
BELLAGUNTHA	Karachuli	Ghumsur (S)	2.97	4.67	0.97	0.00
BELLAGUNTHA	Kontaipalli	Ghumsur (S)	1.66	3.16	2.50	0.00
BELLAGUNTHA	Lathipada	Ghumsur (S)	4.45	5.69	2.00	0.00
BELLAGUNTHA	Mangalpur2	Ghumsur (S)	2.86	4.66	1.25	0.00
DHARAKOTE	Badagarh	Ghumsur (S)	7.76	6.81	6.12	0.00
DHARAKOTE	Dharkote	Ghumsur (S)	1.69	2.14	3.77	0.00
DHARAKOTE	Gangapur	Ghumsur (S)	2.82	4.92	0.48	0.00
DHARAKOTE	Manikyapur	Ghumsur (S)	3.35	0.00	0.00	0.00
DHARAKOTE	Suramani	Ghumsur (S)	4.25	0.00	2.95	0.00
JAGANATHPRASAD	Baragam	Ghumsur (S)	2.84	4.36	1.05	0.00
JAGANATHPRASAD	Chadeiapalli Chhak	Ghumsur (S)	0.00	0.00	6.08	0.00
JAGANATHPRASAD	Chamkahandi	Ghumsur (S)	1.12	1.30	0.90	0.00
JAGANATHPRASAD	Gayagonda	Ghumsur (S)	4.88	7.18	1.20	0.00
JAGANATHPRASAD	Jagannath prasad	Ghumsur (S)	3.86	6.01	2.65	0.00
JAGANATHPRASAD	Jhadabhumi	Ghumsur (S)	3.45	6.21	1.15	0.00
JAGANATHPRASAD	Saishamuli	Ghumsur (S)	5.83	6.69	3.55	0.00
JAGANATHPRASAD	Tarasingi	Ghumsur (S)	3.10	4.28	1.90	0.00
KAVISURJYANAGAR	Gudiali	Ghumsur (S)	3.47	6.76	1.30	0.00
KAVISURJYANAGAR	K.s.nagar	Ghumsur (S)	1.65	5.25	0.38	0.00
POLASARA	Palsora	Ghumsur (S)	5.01	0.00	0.00	0.00

BLOCK_NAME	SITE_NAME	FOREST DIVISION	GWL – 2013			
			JAN	APRIL	AUG	NOV
1	2	3	4	5	6	7
POLASARA	Polasora	Ghumsur (S)	4.48	4.98	0.00	0.00
SARGAD	Pudangi	Ghumsur (S)	3.70	5.56	2.07	0.00
SARGAD	Sheragada	Ghumsur (S)	4.95	0.00	0.00	0.00
SARGAD	Sheragada1	Ghumsur (S)	5.30	6.10	4.25	0.00
SARGAD	Subash Ch.Pur	Ghumsur (S)	0.00	5.98	1.65	0.00
SURADA	Sorada	Ghumsur (S)	1.48	7.00	0.74	0.00

APPENDIX – I(B)

Details of RPWS Scheme as on 01.10.2013

Sl. No.	Name of the Block	Name of the GP	Name of the Piped water supply scheme	populati on as on 2011	No. of stand posts	No. of Tube wells	Duration of water supply	Water source	No. of House connec- tion
1	Surada	Badagada	Badagada	6556	78	24	10 Hours	I.W.	350
2	Surada	Ekalpur	Ekalpur	1820	17	10	8 Hours	P.W	Nil
3	Surada	Gochha	Gochha	1658	21	12	8 Hours	P.W	25
4	Surada	Sidhapur	Sidhapur	3111	28		6 Hours	I.W.	Nil
5	Surada	Raibandha	Singipur Sandhikendu & Tentulikhunti	3692	36	22	6 Hours	P.W	Nil
6	Surada	Gochha	D.Belapanka	352	4	5	2 Hours	P.W	Nil
7	Surada	Raibandha	Patapur	349	3	4	4 Hours	P.W	Nil
8	Surada	Amrutulu	Amrutulu	2000	16	10	6 Hours	I.W.	Nil
9	Surada	Hukuma	Hukuma	2574	18	14	6 Hours	P.W	120
10	Surada	G.P.Sasan	Sorisabilli	3271	28	23	6 Hours	I.W.	35
11	Surada	Goudagotha	Goudagotha	1648	26	14	6 Hours	I.W.	54
12	Surada	Asurabandha	Bhagabanpur	1213	12	8	6 Hours	P.W	Nil
13	Surada	Gangapur	Padmapur	1367	12	7	4 Hours	I.W.	Nil
14	Surada	Borasingi	Borasingi	1420	12	7	6 Hours	P.W	Nil
15	Surada	Amrutulu	Buguda	1868	12	9	6 Hours	I.W.	Nil
16	Surada	Suramani	Bhalligochha	784	14	5	4 Hours	I.W.	Nil
17	Surada	Borada	Borada	1328	22	9	4 Hours	I.W.	Nil
18	Surada	Nuagada	Keshara	978	14	6	6 Hours	I.W.	130
19	Surada	Ekalpur	Kusunugadia	685	16	4	3 Hours	O.W	Nil
20	Surada	Ekalpur	Lokamani	1429	14	11	8 Hours	P.W	Nil
21	Surada	G.P.Sasan	Tataballi	1812	24	16	6 Hours	I.W.	Nil
22	Surada	Sarabadi	Banzar	110	Nil	2	3 Hours	P.W	67
23	Surada	Nuagada	Buishnupur	715	Nil	2	3 Hours	P.W	89
24	Surada	Nuagada	Rangabili	262	Nil	3	3 Hours	P.W	97
25	Surada	G.P.Sasan	Gopalpur Sasan	620	12	6	6 Hours	P.W	54
26	Surada	Nuagada	Nuagada	2029	22	11	8 Hours	P.W	110
27	Surada	Suramani	Suramani	1886	20	13	8 Hours	P.W	120
28	Surada	Sarabadi	Chakunda	1300	24	8	5 Hours	I.W.	Nil
29	Surada	Goudagotha	Sagadabasa	87	Nil	1	3 Hours	Spring	29
30	Surada	Goudagotha	Jharakana	110	Nil	2	3 Hours	Spring	28
31	Surada	Palakata	Palakata	1867	36	10	5 Hours	I.W.	Nil
32	Surada	Goudagotha	Mankadachua	98	Nil	1	3 Hours	P.W	23
33	Surada	Asurabandha	Dhepapalli	425	Nil	3	3 Hours	P.W	94
34	Surada	Goudagotha	Bhaliapada	265	Nil	2	3 Hours	P.W	43
35	Surada	Saranauti	Badabadangi	1014	24	8	5 Hours	P.W	Nil
36	Surada	Gangapur	Gangapur	3032	45	12	6 Hours	I.W.	Nil
37	Surada	Lathipada	Bibhutia	398	Nil	2	3 Hours	P.W	68

APPENDIX – II

DISTRICT LEVEL COMMITTEE REPORTED AREA OF FOREST BLOCKS

LIST OF FOREST BLOCKS CLASS - WISE AND RANGE – WISE						
Sl. No	Name of Forest Block as per notification	Name of Forest Block as per Management	No. of comparison	Area (Ha)	Notification No.	Remarks
RESERVED FORESTS						
SORADA RANGE						
1	Bondhagocha	Bondhagocha	2	1307.33	254 dated 13.09.1888	
2	Dheppaguda	Dhepaguda	2	827.85	406 dated 27.08.1897	
3	Dabuki	Dabuki	1	506.32	445 dated 03.10.1890	
4	Hukuma	Hukuma	3	1746.40	540 dated 08.11.1897	
5	Dougam	Dhaugam	2	1013.89	524 dated 09.09.1898	
6	Dougam			18.31	319 dated 26.10.1922	
7	Mundapetta	Mundapita	4	2268.15	83 dated 10.02.1898	*
8	Rayapada	Raipada	5	2797.27	350 dated 25.07.1898	*
9	Nandapadar	Pipalapanka	6	2952.02	150 dated 24.03.1898	
10	Bhagabanpur Pippalaponka			440.49	150 dated 24.03.1898	
11	Nandapadar (encl)			3.89	19 dated 19.01.1920	
12	Pondakhol	Pondakhol	36	15484.70	496 dated 03.11.1906	
13	Pankalagam	Pankalagam	1	265.59	496 dated 03.11.1906	
BUGUDA RANGE						
14	Budurungu	Budurungu	1	316.11	217 dated 30.04.1917	
15	Chamunda	Chamunda	1	265.59	120 dated 30.05.1913	
16	Kuddapada	Kadapada	1	677.36	419 dated 03.09.1897	*
17	Kurcholi-A	Karchuli-A	4	2232.39	538 dated 08.11.1897	
18	Kurcholi-B	Karchuli-B	1	354.66	538 dated 08.11.1897	
19	Kriamba	Kriamba	13	8717.81	134 dated 04.02.1902	
20	Jadupada (enclosure)			3.35	218 dated 12.04.1917	
21	Kumarsuni Vishnuchakram	Kumarsuni Vishnuchakram	1	1081.95	68 dated 16.02.1891	*
22	Binodia	Binodia	1	209.96	68 dated 16.02.1891	*
23	Tangarai	Tangarai	1	817.49	68 dated 16.02.1891	
24	Panchabhuti (extn)	Panchabhuti - C	1	198.38	2064 dated 06.08.1955	
25	Panchabhuti - A	Panchabhuti - A	4	1790.28	53 dated 12.02.1891	
26	Nagiri	Nagiri	1	449.55	242 dated 10.05.1913	
27	Sollundi	Sollundi	1	362.75	242 dated 10.05.1913	
28	Sandasulia	Sandasulia	1	848.34	461 dated 10.09.1896	
ASKA RANGE						
29	Gouduni	Gouduni	2	299.33	1736 dated 26.10.1978	

POLSARA RANGE						
30	Budhighati	Budhighati	1	244.71	12922 dated 13.03.2000	
TOTAL 30 BLOCKS			97			
* The area of the forest block excludes de-reserved area as per table 1.10						
PROPOSED RESERVED FORESTS						
POLSARA RANGE						
31	Purunapani Daburia	Purunapani Daburia	8	2671.09	28853 dated 28.04.1981	RL
32	Khaladimal	Khaladimal	6	1867.25	16691 dated 16.03.1981	RL
33	Jokalundi	Jokalundi	1	259.47	17983 dated 19.03.1981	RL
34	Bhallery	Bhallery	14	3360.65	62292 dated 11.09.1980	RL
35	Ghati-Range	Ghati-Range	1	139.92	57682 dated 20.08.1980	RL
36	Karakhol – A	Karakhol - A	3	1051.34	58794 dated 25.08.1980	RL
37	Babolo	Babolo	1	297.98	59929 dated 02.09.1980	RL
38	Mathakhhol	Mathakhhol	2	381.86	57654 dated 20.08.1980	RL
39	Solapa	Solapa	1	182.95	57300 dated 19.08.1980	RL
40	Karadabadi Salabana	Karadabadi Salabana	1	39.94	48101 dated 20.07.1984	◆
41	Chanchunia	Chanchunia	1	285.02	60271 dated 03.11.1980	RL
42	Pustapur Madhab Hill	Pustapur Madhab Hill	1	212.47	62030 dated 09.09.1980	
43	Krishnagiri Hill	Krishnagiri Hill	2	689.29	57663 dated 20.08.1980	RL
44	Handigada	Handigada	1	196.91	57732 dated 20.08.1980	◆
45	Prayagi	Prayagi	1	414.98	29095 dated 03.05.1986	◆
SORADA RANGE						
46	Srirampalli	Srirampalli	1	1010.53	62022 dated 09.09.1980	
ASKA RANGE						
47	Bhumidimiripalli	Bhumidimiripalli	1	15.89	26818 dated 18.04.1984	◆
48	Badua	Badua	1	81.48	27931 dated 24.04.1984	
TOTAL 18 BLOCKS			47			
RL These forest blocks were earlier declared as Reserved land under the Madras Forest Act, 1870.						
DEMARCATED PROTECTED FORESTS						
ASKA RANGE						
49	Malijhar – I	Malijhar – I	1	1921.95		
50	Malijhar – II	Malijhar – II	6	1578.95		
51	Ambadaban	Ambadaban	3	2163.77		
52	Pakidi	Pakidi	10	1525.48		
53	Gadagada	Gadagada	3	461.70		
54	Kansa	Kansa	1	181.53		◆
55	Machakhai	Machakhai	2	499.69		
56	Chemidi	Chemidi	6	1713.38		
57	Hatimunda	Hatimunda	3	511.22		

58	Badadanda	Badadanda	1	20.24	DECLARED AS RESERVED LAND UNDER MADRAS FOREST ACT, 1882	
59	Chapudia	Chapudia	1	323.77		
60	Rasibadi	Rasibadi	1	77.81		
61	Suliaguda	Suliaguda	4	658.95		
62	Kantakhhol	Kantakhhol	2	403.80		
POLSARA RANGE						
63	Pandripada	Pandripada	38	14318.38	DECLARED AS RESERVED LAND UNDER MADRAS FOREST ACT, 1882	
67	Kumaripari Boraibana	Kumaripari Boraibana	8	2530.72		
65	Kendupat	Kendupat	1	106.43		◆
66	Bhalukhai	Bhalukhai	1	13.20		◆
67	Chilipoi	Chilipoi	1	80.97		◆
68	Sahakhhol	Sahakhhol	3	1023.48		
69	Athagarpatna	Athagarpatna	4	785.10		
70	Sanaghati - B	Sanaghati – B	1	50.20		◆
71	Sodaka – A	Sodaka – A	1	272.07		
72	Sodaka – B	Sodaka – B	1	308.70		◆
73	Asurai	Asurai	2	556.71		
74	Dumangiri	Dumangiri	2	766.96		
75	Ranibara – A	Ranibara – A	4	1577.32		
76	Ranibara – B	Ranibara – B	1	422.30		
77	Ranibara – C	Ranibara – C	1	139.27		
78	Jogia – I	Jogia – I	1	323.89		
79	Jogia – II	Jogia – II	1	376.68		
80	Kakudia	Kakudia	1	85.02		◆
81	Boxipalli	Boxipalli	1	42.91		◆
82	Bhutasarsingi	Bhutasarsingi	1	170.04		◆
83	Paikajamuna	Paikajamuna	1	335.49		◆
BUGUDA RANGE						
84	Jhollery	Jhollery	1	914.98		◆
SORADA RANGE						
85	Badagada - B	Badagada – B	10	3870.44		
TOTAL 38 BLOCKS			130			
◆These forest blocks are new forest blocks and not included in earlier Scheme.						
UN-DEMARCATED PROTECTED FORESTS						
ASKA RANGE						
86	Badagada-C	Badagada-C	30	11050.00		
SORADA RANGE						
87	Badagada-A	Badagada-A	25	10199.10		
TOTAL 02 BLOCKS			55			
Source : Divisional Forest Officer, Ghumsur (South) Division.						

APPENDIX – II(A)

Boundary Joint Verification Report of Ghumsur South Forest Division conducted by Staffs of CCF & Working Plans Officer, BBSR and Ghumsur (South) Division

Name of Range	Sl.	Name of Forest Block	Block Status	Boundary length (Km.)	No of Boundary Pillars as per record	Condition of existing pillars					No of Pillars Missing	Remarks
						Masonry		Stone calms		Total		
						Good	Damaged	Good	Damaged			
Aska	1	Gouduni	RF	6.31	96	40	0	16	40	96		
	1	Bhuin dimripalli	PRF	2.02	26	0	0	0	26	26		
	2	Badua	PRF	5.68	50	20	0	4	26	50		
	1	Malihar-I	DPF	24.25	204	30	0	4	170	204		
	2	Malihar-II	DPF	26.00	188	40	0	6	142	188		
	3	Ambada bana	DPF	37.94	310	100	0	20	190	310		
	4	Gadagada	DPF	12.31	93	35	0	3	55	93		
	5	Pakidi	DPF	31.58	273	40	0	8	225	273		
	6	Kansa	DPF	5.45	42	0	0	0	42	42		
	7	Machhakhai	DPF	13.50	121	30	0	4	87	121		
	8	Hatimunda	DPF	5.05	173	80	0	1	152	173		
	9	Chemedi	DPF	17.13	79	25	0	4	50	79		
	10	Badadanda	DPF	1.98	32	5	0	0	27	32		
	11	Chapudia	DPF	8.29	58	30	0	2	26	58		
	12	Rasiabadi	DPF	1.37	13	2	0	0	11	13		
	13	Suliaguda	DPF	18.89	162	20	0	0	142	162		
	14	Kantakhori	DPF	10.39	67	12	0	0	55	67		
		1	Badagada (C)	UDPF	64.80	107	55	0	8	44	107	
TOTAL:	18	blocks		292.94								

Full signature of staff verified:

Name & Designation of the Staffs
of CCF & WPO, BBSR

Mohit Kumar Jena, FRO
 Debendra Kumar Behera -
 Maguni Behera Fr.
 Prantap Kumar Behera, F.G
 Abhijit Mohanty, Fg

Name & Designation of the Staffs
of Ghumsur (S) Division.

Chandan Rupanda (S)
 Sherragada Sr.
 Santanu Kumar Nayak
 Khandauli Sr.
 Raju
 Pr. Sali (P. Suraj Kumar)
 Jagabandhu patra C.F.G.
 Bada Pura Sr.
 Kiran Kumar Gouda F.G.
 Binoyan Kanyam Kany F.G.
 Goudamandi Sr.

Boundary Joint Verification Report of Ghumsur South Forest Division
conducted by Staffs of
CCF & Working Plans Officer, BBSR
and Ghumsur (South) Division

Name of Range	Sl.	Name of Forest Block	Block Status	Boundary length (Km.)	No of Boundary Pillars as per record	Condition of existing pillars				No of Pillars Missing	Remarks	
						Masonry		Stone cairns				Total
						Good	Damaged	Good	Damaged			
Buguda	1	Kumarsuni	RF	19.68	69	0	0	0	69	69		
	2	Nagiri	RF	12.32	65	0	0	0	65	65		
	3	Solundi	RF	15.28	91	5	0	0	86	91		
	4	Budurungu	RF	21.12	51	16	0	0	35	51		
	5	Chamunda	RF	10.8	46	30	0	0	16	46		
	6	Kadapada	RF	16.72	90	62	0	0	28	90		
	7	Karchuli (A)	RF	34.08	180	25	0	0	155	180		
	8	Karchuli (B)	RF	7.84	44	20	0	5	19	44		
	9	Kiriamba-Jadupadi	RF	67.84	302	40	0	23	239	302		
	10	Panchabhutia (A)	RF	43.68	167	15	0	10	142	167		
	11	Panchabhutia (C)	RF	4.75	25	0	0	0	25	25		
	12	Tangarai	RF	17.92	68	0	0	0	68	68		
TOTAL:	12	blocks		272.03								

Full signature of staff verified

Name & Designation of the Staffs
of CCF & WPO, BBSR

Magami Behera S.
Abhijit Mohanty, FG
Pratap Kumar Behera
Mihir Kumar Behera, AR
Debarada Kumar Behera.

Name & Designation of the Staffs
of Ghumsur (S) Division.

③ Subbarao K. Tapathy, FG
④ Sita Rama Reddy, FG
Kuchri Deeb
⑤ K. Lakshmi Reddy
⑥ B. K. Prasad, FG
⑦ Panchabhatia Reddy
⑧ Ramakanta Hota, FG
Hirapalli Beat, Hc-Nuapalli Beat
⑨ Manoj Kumar Satapathy, FG
(Tatalara beat), Hc-Mareipalli Beat.
⑩ Ratana Mallik, FG
Boranchipuri Beat
⑪ Dharmabhusan Pradhan
Banapalli Beat FG.
⑫ Manoj Kumar Satapathy, FG
(Tatalara beat), Hc-Mareipalli Beat.
⑬ Ramakanta Hota, FG
Hirapalli Beat, Hc-Nuapalli Beat

Manoj Dash FG
Chamunda Beat
Hemant Kumar Patra FG
Chamunda Beat.

**Boundary Joint Verification Report of Ghumsur South Forest Division conducted by
Staffs of CCF & WPO, BBSR and
Ghumsur South Forest Division**

Name of the Range: **BUGUDA**

Sl.	Name of Forest Block	Boundary length (Km.)	No of Boundary pillars as per	Condition of existing pillars					No of pillars missing	Remarks
				Masonry		Stone caims		Total		
				Good	Damaged	Good	Damaged			
13	Binodia RF	6.32	32	0	0	0	32	32		
24	Sandhasulia RF	18.80	147	0	0	0	147	147		
15	Jhokery DPF	11.28	191	0	0	0	191	191		
Total Blocks: 02		~~26.10~~								

Full signature of staff verified.

Total: 308.43

Name & Designation of the Staffs of
CCF & WPO, BBSR

Maganu Behera Fg.
Abhinav Mohanty Fg.
Pratap Kumar Behera Fg.
Nishu Kumar Jena, FRO
Debandra Kumar Behera, FRO

Name & Designation of the Staffs of
Ghumsur South Division

Ratana Mallik Fg.
% Thanapalli Beal
Sonali Panda Fg.
Ballepadara Beal.

Boundary Verification Report of Ghumsur South Forest Division
jointly done by Staffs of
O/o. CCF & Working Plans Officer, BBSR
and Ghumsur (South) Division.

Name of Range	Name of Forest Block	Block Status	Boundary length (Km.)	No of Boundary Pillars as per record	Condition of existing pillars				Total	No of Pillars Missing	Remarks
					Masonry		Stone cairns				
					Good	Damaged	Good	Damaged			
Surada	Dhaugam	RF	34.88	No record	- Nil -	Nil	Nil	20	20	Nil	
	Bandhagochha	RF	33.60	- do -	65	50	Nil	80	195	- do -	
	Dhepaguda	RF	15.68	- do -	Nil	Nil	Nil	30	30	- do -	
	Hukuma	RF	37.12	- do -	25	- do -	Nil	40	40	- do -	
	Mundapita	RF	29.36	32	Nil	- do -	Nil	32	32	- do -	
	Dabuki	RF	15.04	No record	- do -	- do -	- do -	10	10	- do -	
	Pandakhol	RF	71.04	259	- do -	- do -	25	234	259	- do -	
	Pippalponka-Nandapadar	RF	42.08	8	- do -	7	Nil	8	15	- do -	
	Pankalgam	RF	5.55	29	- do -	Nil	Nil	29	29	- do -	
	Raipada	RF	29.12	26	11	Nil	Nil	16	37	- do -	
	Srirampalli	PRF	13.18								
			326.65	349	101	57	25	494	662		

Full signature of staff verified:

Staffs of CCF & WPO, BBSR

Arjuna Kumar Mishra F.
 Magan Behera F.
 Girtona Chandra Das
 Pratap Kumar Behera F.
 Mohir Kumar F.
 Debendra Kumar Behera F.
 Hanuikish Panigrahy F.
 Adipanka Behera
 G. Laxmi Devi

Staffs of Ghumsur (S) Division.

Subram Nishan
 Forest Range Officer
 Surada Range
 Dikip Kumar Meher
 Bandhagochha beat
 Suraga Jitendra Behera
 Anuswar Behera
 Simanchala Jena
 Jitendra Behera
 Binayak Behera
 (for Surada)

APPENDIX – III

List of Villages (Pre-1980 Encroachment) in respect of which proposals has been submitted for regularization under the Forest Conservation Act, 1980

Sl. No	Name of Village	Tahasil	Block
1	Kumar bandha	Sorada	Badagada - A
2	Haladibuguda	Sorada	Badagada – A
3	Rangamatia	Sorada	Badagada – A
4	Malijhara	Sorada	Malijhar
5	Jalli	Sorada	Badagada - A, Badagada – B
6	Mardakote	Sorada	Badagada - A, Badagada – B
7	Mundiakhuman	Sorada	Badagada - A, Badagada – B
8	Ghansagar	Sorada	Badagada - A, Badagada – B
9	Sagadabasa	Sorada	Badagada - A, Badagada – B
10	Phata chanchada	Sorada	Badagada - A, Badagada – B
11	Dhougam	Sorada	Pipalapanka
12	Kusumbasa	Sorada	Badagada - A, Badagada – B
13	Barapada	Sorada	Badagada- C
14	Batapadia	Sorada	Badagada – C
15	Badol Padmapur	Sorada	Badagada - A, Badagada – B
16	Biripada	Sorada	Badagada- C
17	Puneri	Kodala	Pandripada
18	Ichapur	Kodala	Pandripada
19	Nuapalli	Kodala	Pandripada
20	Palava	Kodala	Pandripada
21	Nuasahi	Kodala	Pandripada
22	Patiana	Kodala	Pandripada
23	Kunjiana	Kodala	Pandripada
24	Jokabandha	Kodala	Pandripada
25	Patalsingi	Kodala	Pandripada
26	Khura	Kodala	Pandripada
27	Gambhuria	Kodala	Pandripada
28	Kendubadi	Kodala	Pandripada
29	Pipalamalai	Kodala	Pandripada
30	Andhari	Kodala	Pandripada
31	Kasipada	Kodala	Pandripada
32	Sitalpalli	Kodala	Pandripada
33	Khaikhata	Kodala	Pandripada
34	Gochabadi	Kodala	Pandripada, Jokalundi
35	Berhamabadi	Kodala	Badagada - A, Badagada – B
36	Tosingi	Kodala	Khaladimal
37	Brahmandei	Kodala	Khaladimal
38	Dubhabania	Kodala	Khaladimal
39	Bincha	Kodala	Khaladimal
40	Jamani	Kodala	Khaladimal
41	Gemunda	Kodala	Pandripada, Jokalundi, Khaladimal
42	Telimala	Kodala	Pandripada, Jokalundi, Khaladimal
43	Baidipada	Kodala	Pandripada, Jokalundi, Khaladimal
44	Nadiamba	Kodala	Pandripada, Jokalundi, Khaladimal

Sl. No	Name of Village	Tahasil	Block
45	Mahulapalli	Kodala	Pandripada, Jokalundi, Khaladimal
46	Nirasapalli	Kodala	Pandripada, Jokalundi, Khaladimal
47	Bhaliamula	Kodala	Pandripada, Jokalundi, Khaladimal
48	Nuniapada	Kodala	Pandripada, Jokalundi, Khaladimal
49	Rampudi	Kodala	Pandripada, Jokalundi, Khaladimal
50	Rajpada	Kodala	Pandripada, Jokalundi, Khaladimal
<i>Source</i> : Divisional Forest Officer, Ghumsur (South) Division.			

**Joint Verification Report of Encroachment (Post-80) Area of
Ghumsur (South) Forest Division**

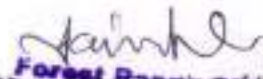
RANGE: SURADA

Sl.	Name of Forest Blocks	Name of the Section	Encroachment Area (in Ha.)				Remarks
			Location	Area	GPS location		
					Lat.	Long.	
1	PIPAL PANKA	ASunabandha	Pansuram	35.3Ha	19°42'24.5"	84°18'54.3"	
2	K.P		Nagar		19°42'21.7"	84°18'56.3"	
3					19°42'20.5"	84°18'57.3"	
4					19°42'20.8"	84°19'03.5"	
5					19°42'13.0"	84°19'04.5"	
6					19°42'15.9"	84°19'06.3"	
7					19°42'09.5"	84°19'11.0"	
8					19°42'06.6"	84°19'11.1"	
9					19°42'03.2"	84°19'11.5"	
10					19°42'03.0"	84°19'08.4"	
11					19°42'03.3"	84°19'03.8"	
12					19°42'03.2"	84°18'58.3"	
13					19°42'06.9"	84°18'54.6"	
14					19°42'07.4"	84°18'56.7"	
15					19°42'11.6"	84°18'49.6"	
16					19°42'13.4"	84°18'48.2"	
17					19°42'14.0"	84°18'51.0"	
18					19°42'16.8"	84°18'51.7"	
19					19°42'13.8"	84°18'47.4"	
20					19°42'19.8"	84°18'49.5"	
21					19°42'24.0"	84°18'42.5"	
22					19°42'28.1"	84°18'42.0"	
23					19°42'27.4"	84°18'42.0"	
24					19°42'28.3"	84°18'50.3"	
25					19°42'26.9"	84°18'51.6"	
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Full signature of staff verified:

Name & Designation of the Staffs
of CCF & WPO, BBSR

Mohir Kumar Jena, FRO
Pratap Kumar Behera (F.G)
Abhijit Mohanty, Fg
Debadra My Acharya
Rudheep Kumar Sethi F.G


Forest Range Officer, Sunada
Range Office, Ghumsur (S) Division

Sudorson Mishra
forester
Durga Prasad Dash
Forest Guard

**Joint Verification Report of Encroachment (Post-80) Area of
Ghumsur (South) Forest Division**

RANGE: SURADA

Sl.	Name of Forest Blocks	Name of the Section	Encroachment Area (in Ha.)				Remarks
			Location	Area	GPS location		
					Lat.	Long.	
1	PIDALPANKA	Asurabunda	Ankajeli	29.5Ha	19°48'43.4"	84°19'53.5"	
2	R.F				19°48'42.3"	84°19'51.4"	
3					19°48'44.8"	84°19'49.3"	
4					19°48'43.5"	84°19'49.6"	
5					19°48'41.2"	84°19'45.9"	
6					19°48'35.2"	84°19'40.6"	
7					19°48'30.8"	84°19'35.2"	
8					19°48'27.2"	84°19'32.4"	
9					19°48'21.0"	84°19'45.7"	
10					19°48'29.2"	84°19'50.5"	
11					19°48'31.6"	84°19'52.2"	
12					19°48'35.1"	84°19'59.9"	
13					19°48'37.9"	84°19'03.0"	
14					19°48'38.5"	84°19'56.8"	
15					19°48'41.6"	84°19'54.4"	
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Full signature of staff verified.

Name & Designation of the Staffs

of CCF & WPO, BBSR

Mohir Kumar Jena, FRO

Pratap Kumar Behera (F.G)

Abhijit Mohanty, Fg

Dependra Kumar Behera, FRO

Pradeep Kumar Sethi, Fg

(Signature)
Forest Range Officer, Surada
Range Staff of Ghumsur (S) Division

(Signature)
Inspector, Forest

(Signature)
Dunga Prasad Dash,
Forest Officer.

**Joint Verification Report of Encroachment (Post-80) Area of
Ghumsur (South) Forest Division**

RANGE: SURADA

Sl.	Name of Forest Blocks	Name of the Section	Encroachment Area (in Ha.)				Remarks
			Location	Area	GPS location		
					Lat.	Long.	
1	MUNDAPITA	Asurabanka	Sandakelli	11.4 Ha	19°46'24.0"	84°20'13.3"	
2	R.F				19°46'27.9"	84°20'11.4"	
3					19°46'32.9"	84°20'11.8"	
4					19°46'34.1"	84°20'11.8"	
5					19°46'35.4"	84°20'14.3"	
6					19°46'36.3"	84°20'15.5"	
7					19°46'36.0"	84°20'17.3"	
8					19°46'37.2"	84°20'17.0"	
9					19°46'37.5"	84°20'20.1"	
10					19°46'36.8"	84°20'20.6"	
11					19°46'35.1"	84°20'19.2"	
12					19°46'32.9"	84°20'19.8"	
13					19°46'29.2"	84°20'18.7"	
14					19°46'25.6"	84°20'17.3"	
15					19°46'22.0"	84°20'25.6"	
16					19°46'18.1"	84°20'16.5"	
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Full signature of staff verified:

Name & Designation of the Staffs
of CCF & WPO, BBSR

Mahar Kumar Jena, FR
Pratap Kumar Behera (P.G.)
Abhijit Mohanty, Fg
Debaraj Kumar Behera, Fg
Pradeep Kumar Sethi, P.G.

(Signature)
Range Officer, Surada
Range Staff of Ghumsur (S) Division

Sufaram Mishra, Forest
Durga Prasad Dash,
Forest Officer.

**Joint Verification Report of Encroachment (Post-80) Area of
Ghumsur (South) Forest Division**

RANGE: SURUDA

RANGE: 2020/1							
Sl.	Name of Forest Blocks	Name of the Section	Encroachment Area (In Ha.)				Remarks
			Location	Area	GPS location		
					N Lat.	E Long.	
1	HUKUMARE	SURUDA	ATMAPUR	32.44	19°46'23.5"	84°23'06.4"	
2					19°46'30.5"	84°23'04.1"	
3					19°46'28.3"	84°23'02.7"	
4					19°46'25.7"	84°23'00.1"	
5					19°46'22.9"	84°22'55.8"	
6					19°46'19.6"	84°22'54.5"	
7					19°46'19.8"	84°22'52.9"	
8					19°46'13.9"	84°22'53.8"	
9					19°46'12.8"	84°22'50.7"	
10					19°46'10.4"	84°22'50.2"	
11					19°46'12.6"	84°22'42.6"	
12					19°46'24.3"	84°22'42.0"	
13					19°46'35.0"	84°22'50.6"	
14					19°46'41.4"	84°22'57.2"	
15					19°46'43.7"	84°22'58.1"	
16					19°46'43.7"	84°23'03.8"	
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Full signature of staff verified:

Name & Designation of the Staffs
of CCF & WPO, BBSR

Mohir Kumar Jem, FRO
Pratap Kumar Behera (FG)
Abhijit Mahanty, FG
Debaraj K. Behera RO
Rudrap Kumar Saha, PGR

[Signature]
Forest Range Officer SURUDA
Name & Designation of the
Range Staffs of Ghumsur (S) Division

Binam Behera
pradip Kumar paridha FG, pattapali

**Joint Verification Report of Encroachment (Post-80) Area of
Ghumsur (South) Forest Division**

RANGE: SURADA

Sl.	Name of Forest Blocks	Name of the Section	Encroachment Area (in Ha.)				Remarks
			Location village	Area	GPS location		
					Lat.	Long.	
1	DHOUGAM R.F	Asanaband -ha	Dhougam	9.5 Ha	19°49'54.2"	84°19'17.5"	
2					19°49'56.1"	84°19'22.4"	
3					19°49'55.4"	84°19'28.2"	
4					19°49'51.6"	84°19'26.8"	
5					19°49'46.3"	84°19'24.0"	
6					19°49'46.4"	84°19'20.1"	
7					19°49'46.9"	84°19'17.0"	
8					19°49'46.9"	84°19'14.7"	
9					19°49'46.8"	84°19'13.3"	
10					19°49'49.4"	84°19'11.8"	
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Full signature of staff verified:

Name & Designation of the Staffs
of CCF & WPO, BBSR

Mohit Kumar Jena, FRO.
Pratap Kumar Behera (F.G)
Abhijit Mohanty, Fg
Debarsha Ray Barua, FRO
Radeep Kumar Sethi, Fg


Forest Range Officer, Surada
Name & Designation of the
Range Staffs of Ghumsur (S) Division

Sudarsan Luikha
Forester
Durga Prasad Dash,
Forest Guard.

**Joint Verification Report of Encroachment (Post-80) Area of
Ghumsur (South) Forest Division**

RANGE: Surada

RANGE: JALPAIGURI							
Sl.	Name of Forest Blocks	Name of the Section	Encroachment Area (in Ha.)				Remarks
			Location	Area	GPS location		
					Lat.	Long.	
1	PONDAKHOLA	GAZALBADI	BATMELA	44.6 Ha	19°51'15.8"	84°11'39.0"	
2	RF				19°51'16.9"	84°11'36.1"	
3					19°51'11.9"	84°11'36.1"	
4					19°51'07.8"	84°11'37.2"	
5					19°51'00.6"	84°11'41.7"	
6					19°51'00.9"	84°11'45.3"	
7					19°51'01.0"	84°11'54.0"	
8					19°51'00.6"	84°11'55.4"	
9					19°51'01.6"	84°11'58.3"	
10					19°51'01.8"	84°12'00.6"	
11					19°51'01.2"	84°12'02.0"	
12					19°51'02.2"	84°12'03.0"	
13					19°51'06.7"	84°12'05.0"	
14					19°51'08.7"	84°12'05.7"	
15					19°51'15.5"	84°12'09.1"	
16					19°51'23.2"	84°12'28.2"	
17					19°51'22.5"	84°12'17.0"	
18					19°51'19.2"	84°12'07.1"	
19					19°51'13.3"	84°11'57.6"	
20					19°51'15.1"	84°11'56.2"	
21					19°51'16.7"	84°11'52.9"	
22					19°51'17.2"	84°11'48.2"	
23					19°51'17.7"	84°11'43.3"	
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Full signature of staff verified.

Name & Designation of the Staffs
of CCF & WPO, BBSR

Mishir Kumar Jena, FRO
Pratap Kumar Behera FG
Abhijit Mohanty, FG
Debdutta Ray Bhabha AO
Ruddeep Kumar Sethi FG

Surada
Forest Range Office
Name & Designation of the
Range Staffs of Ghumsur (S) Division

Subhanga Raita
FG

**Joint Verification Report of Encroachment (Post-80) Area of
Ghumsur (South) Forest Division**

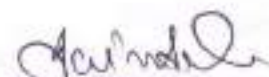
RANGE:

RANGE:							
Sl.	Name of Forest Blocks	Name of the Section	Encroachment Area (in Ha.)				Remarks
			Location	Area	GPS location		
					Lat.	Long.	
1	PONDAKHOLA	GAZALBAD	GAZALBAD	1.4 Ha	19°50'44.6"	84°16'01.4"	
2	RF				19°50'44.5"	84°16'02.0"	
3					19°50'43.4"	84°16'01.7"	
4					19°50'43.4"	84°16'00.8"	
5					19°50'39.9"	84°15'59.0"	
6					19°50'41.7"	84°15'57.1"	
7					19°50'44.0"	84°15'56.4"	
8					19°50'45.0"	84°15'57.1"	
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12	PONDAKHOLA	GAZALBAD	GAZALBAD	3.0 Ha	19°50'41.1"	84°15'33.5"	
13	RF				19°50'40.9"	84°15'29.8"	
14					19°50'39.5"	84°15'26.2"	
15					19°50'36.9"	84°15'26.1"	
16					19°50'36.2"	84°15'28.1"	
17					19°50'34.8"	84°15'32.8"	
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Full signature of staff verified:

Name & Designation of the Staffs

CCF & WPO, BBSR
 Mohir Kumar Jena, FRO
 Pratap Kumar Behera, FG
 Abhijit Mohanty, FG
 Debendra Kumar Behera, FRO
 Pradeep Kumar Sethi, FG



Forest Range Officer
 Name & Designation of the
 Range Staffs of Ghumsur (S) Division

Subhangee Raita
 for
 Krishna Chandrasekhar
 Gazalbad, BBSR

**Joint Verification Report of Encroachment (Post-80) Area of
Ghumsur (South) Forest Division**

RANGE: SURUDA

RANGE: SURUDA							
Sl.	Name of Forest Blocks	Name of the Section	Encroachment Area (in Ha.)				Remarks
			Location	Area	GPS location		
					Lat.	Long.	
1	DHEPAGUDARE	SURUDA	NVA -	2.8 Ha	19°42'11.5"	84°22'33.5"	
2			BARAFADWE		19°42'14.6"	84°22'33.7"	
3					19°42'13.8"	84°22'29.4"	
4					19°42'06.5"	84°22'39.2"	
5					19°42'09.2"	84°22'23.0"	
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Full signature of staff verified:

Name & Designation of the Staffs
of CCF & WPO, BBSR

Mihir Kumar Jena, FRO.

Pradeep Kumar Sethi (F) Pratap Kumar Behera (F.G)

Abhijit Mohanty, Fg

Debandra Ku Behera FRO

Jainendra
Forest Range Officer

Name & Designation of the SURUDA
Range Staffs of Ghumsur (S) Division

Bijman Behera
(F. S. R. O.)

Anita Kumari Sethi (F.G)

Dhepaguda

**Joint Verification Report of Encroachment (Post-80) Area of
Ghumsur (South) Forest Division**

RANGE: Surada

Sl.	Name of Forest Blocks	Name of the Section	Encroachment Area (in Ha.)				Remarks
			Location	Area	GPS location		
					Lat.	Long.	
1	Bandhagachha R.P.	ASunabanda	Lundri gada	3.5 Ha	19°49'32.4"	84°25'35.1"	
2					19°49'32.1"	84°25'37.7"	
3					19°49'32.9"	84°25'41.6"	
4					19°49'32.2"	84°25'42.0"	
5					19°49'32.2"	84°25'42.5"	
6					19°49'31.0"	84°25'42.4"	
7					19°49'30.8"	84°25'42.9"	
8					19°49'27.1"	84°25'42.7"	
9					19°49'28.1"	84°25'44.5"	
10					19°49'26.6"	84°25'44.3"	
11					19°49'26.3"	84°25'42.2"	
12					19°49'26.6"	84°25'42.1"	
13					19°49'26.5"	84°25'39.7"	
14					19°49'27.1"	84°25'39.2"	
15					19°49'27.9"	84°25'38.4"	
16					19°49'27.8"	84°25'37.2"	
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Full signature of staff verified.

Name & Designation of the Staffs

Mohit Kumar Jena, FPO
Pratap Kumar Behera F.G
Abhijit Mohanty, Fg
Dipak Kumar Mishra FPO
Pradeep Kumar Sethi Fg

Forest Range Office - Surada
Name of the Range Staffs of Ghumsur (S) Division

Sudhakar Mishra
Forest Officer
Dileep Kumar Mallik F.G
Bandhagachha, beat

**Joint Verification Report of Encroachment (Post-80) Area of
Ghumsur (South) Forest Division**

RANGE: SURADA

RANGE: 2010/17							
Sl.	Name of Forest Blocks	Name of the Section	Encroachment Area (in Ha.)				Remarks
			Location	Area	GPS location		
					Lat.	Long.	
1	DABUKT	Asutalanda	Raigodha	8.3Ha	19°50'44.9"	84°20'31.1"	
2	R.F		Nua-Samlati		19°50'49.3"	84°20'33.0"	
3					19°50'48.2"	84°20'40.2"	
4					19°50'46.2"	84°20'41.6"	
5					19°50'43.2"	84°20'42.3"	
6					19°50'40.0"	84°20'45.3"	
7					19°50'39.1"	84°20'40.6"	
8					19°50'41.9"	84°20'25.5"	
9					19°50'43.4"	84°20'33.0"	
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Full signature of staff verified:

Name & Designation of the Staffs
of CCF & WPO, BBSR

Mohit Kumar Jena, FRO
Pratap Kumar Behera (FG)
Abhijit Mohanty, Fg
Debarina Behera, FRO
Rudra Kumar Sethi, FG

[Signature]
Forest Range Officer, Surada
Range Staffs of Ghumsur (S) Division

[Signature]
Sudarsan Mishra
Forest Guard
Durga Prasad Dash,
Forest Guard.

**Joint Verification Report of Encroachment (Post-80) Area of
Ghumsur (South) Forest Division**

RANGE: BADAGADA

Sl.	Name of Forest Blocks	Name of the Section	Encroachment Area (in Ha.)				Remarks
			Location	Area	GPS location		
					Lat.	Long.	
1	BADAGADA-	BADAGADA	Sagadabach	19.1Ha	19°37'28.8"	84°25'06.0"	
2	'A' DPF				19°37'28.8"	84°25'09.1"	
3					19°37'20.2"	84°25'18.4"	
4					19°37'16.9"	84°25'17.3"	
5					19°37'10.0"	84°25'15.6"	
6					19°37'05.5"	84°25'13.7"	
7					19°37'04.4"	84°25'11.0"	
8					19°37'06.7"	84°25'07.3"	
9					19°37'12.3"	84°25'04.9"	
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Full signature of staff verified:

Dillip Das

Forest Range Officer
Badagada Forest Range
Badagada

Name & Designation of the Staffs

of CCF & WPO, BBSR

Mohit Kumar Jem, FRO.
Pratap Kumar Behera (F.G.)

Rudra Kumar Sethi, Fr.

Abhijit Mohanty, Fg
Magami Behera, Fr.

Debadra Kumar Padma, FRO.

Name & Designation of the BADAGADA
Range Staffs of Ghumsur (S) Division

Rajendra
Badagada Section

Rajendra Naik, Fr.
Badagada Section

Subodha Kumar Behera, Fg.
Badagada Section

**Joint Verification Report of Encroachment (Post-80) Area of
Ghumsur (South) Forest Division**

RANGE: BADAGADA

BADAGADA - 'B' D.P.F

RANGE: BADAGADA			Encroachment Area (in Ha.)			Remarks	
Sl.	Name of Forest Blocks	Name of the Section	Location	Area	GPS location		
					Lat.		Long.
1	BADAGADA	Dhoufada	Jali	5.8 Ha	19° 26' 22.9"	84° 28' 20.4"	
2	B.D.P.F				19° 26' 26.0"	84° 28' 26.1"	
3					19° 26' 42.0"	84° 28' 27.7"	
4					19° 26' 44.0"	84° 28' 24.8"	
5					19° 26' 41.8"	84° 28' 31.0"	
6					19° 26' 39.2"	84° 28' 18.2"	
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Full signature of staff verified

Dilip Kumar
Forest Range Officer
Badagada Forest Range
Badagada

Name & Designation of the Staffs
of CCF & WPO, BBSR

Mohir Kumar Jena, FRO.
Pratap Kumar Behera (F.G.)
Pradeep Kumar Sethi F.G.
Abhijit Mohanty, Fg
Magenie Behera Fg
Debadra K Behera FRO

Name & Designation of the BADAGADA
Range Staffs of Ghumsur (S) Division

Rajendra Naik, Fg.
Badagada section.

**Joint Verification Report of Encroachment (Post-80) Area of
Ghumsur (South) Forest Division**

RANGE: ASKA

Sl.	Name of Forest Blocks	Name of the Section	Encroachment Area (in Ha.)				Remarks
			Location	Area	GPS location		
					Lat.	Long.	
1	Badagada 'c'	Sadangiipalli	Belisahi	55.3 HA	19°32'59.7"	84°29'57.4"	
2	UDPF				19°32'56.7"	84°30'04.6"	
3					19°32'54.2"	84°30'07.7"	
4					19°32'48.4"	84°30'09.8"	
5					19°32'43.5"	84°30'09.0"	
6					19°32'40.0"	84°30'05.0"	
7					19°32'34.8"	84°29'59.8"	
8					19°32'32.7"	84°29'52.0"	
9					19°32'36.5"	84°29'46.0"	
10					19°32'39.8"	84°29'42.4"	
11					19°32'41.9"	84°29'39.6"	
12					19°32'43.7"	84°29'39.5"	
13					19°32'46.8"	84°29'38.0"	
14					19°32'50.0"	84°29'41.9"	
15					19°32'54.1"	84°29'42.5"	
16					19°33'00.3"	84°29'47.7"	
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Full signature of staff verified:

Name & Designation of the Staffs
of CCF & WPO, BBSR

Mohir Kumar Jena, Fto

Pratap Kumar Behara Fto

Abhijit Mohanty, Fg

Debadra Kumar Behara, Fto

Name & Designation of the ASKA
Range Staffs of Ghumsur (S) Division

(P. Suresh Kumar)

Jagabandhu Patra (Fto)

**Joint Verification Report of Encroachment (Post-80) Area of
Ghumsur (South) Forest Division**

RANGE: ASKA

Sl.	Name of Forest Blocks	Name of the Section	Encroachment Area (in Ha.)				Remarks
			Location	Area	GPS location		
					Lat.	Long.	
1	BADAGADAL	SADANGIPAC	PATASALA	12.9ha	19°32'28.2"	84°29'02.0"	
2	UDPF.				19°32'25.0"	84°29'02.7"	
3					19°32'24.5"	84°29'04.1"	
4					19°32'22.8"	84°29'04.6"	
5					19°32'22.4"	84°29'05.6"	
6					19°32'21.9"	84°29'07.0"	
7					19°32'22.9"	84°29'09.7"	
8					19°32'26.7"	84°29'13.2"	
9					19°32'33.0"	84°29'13.1"	
10					19°32'36.4"	84°29'09.0"	
11					19°32'37.5"	84°29'03.0"	
12					19°32'33.0"	84°29'01.0"	
13					19°32'27.6"	84°29'01.7"	
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Full signature of staff verified:

Name & Designation of the Staffs
of CCF & WPO, BBSR
Mihir Kumar Jena, FRO
Pratap K. Behena, AG
Abhijit Mohanty, FG
Debarsha K. Behena, WFO

Name & Designation of the ASKA
Range Staffs of Ghumsur (S) Division

Jagabandhu Patra, C.F.O.

P. Suresh Kumar

**Joint Verification Report of Encroachment (Post-80) Area of
Ghumsur (South) Forest Division**

RANGE: ASKA

Sl.	Name of Forest Blocks	Name of the Section	Encroachment Area (in Ha.)				Remarks
			Location	Area	GPS location		
					Lat.	Long.	
1	BADAGADA	Sodangipali	Kharu Pali	3.6 Ha.	19° 32' 51.2"	84° 29' 07.4"	
2	C' UDFP				19° 32' 54.8"	84° 29' 09.0"	
3					19° 32' 53.9"	84° 29' 10.9"	
4					19° 32' 52.4"	84° 29' 13.5"	
5					19° 32' 49.8"	84° 29' 11.1"	
6					19° 32' 52.4"	84° 29' 17.2"	
7					19° 32' 50.6"	84° 29' 08.4"	
8					19° 32' 48.5"	84° 29' 17.5"	
9					19° 32' 47.2"	84° 29' 14.4"	
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Full signature of staff verified

Name & Designation of the Staffs
of CCF & WPO, BBSR

Mohir Kumar Jena, AO
Pratap Kumar Behera, F.G.
Abhijit Mohanty, F.G.
Debarshi Ku Barua, AO

Name & Designation of the ASKA
Range Staffs of Ghumsur (S) Division

Jeaganandhu patra (F.G.)

[Signature]
Fr. Spall
(P. Suresh Kumar)

**Joint Verification Report of Encroachment (Post-80) Area of
Ghumsur (South) Forest Division**

RANGE: ASKA

Sl.	Name of Forest Blocks	Name of the Section	Encroachment Area (in Ha.)			Remarks
			Location	Area	GPS location	
					Lat. Long.	
1	CHAPUDIA	DHARAKOTE	NEAR	0.2 ha	19°41'24.4" 84°32'11.6"	
2	DPE		RAMPAUI		19°41'24.0" 84°32'11.6"	
3			VILLAGE		19°41'23.3" 84°32'12.4"	
4					19°41'23.8" 84°32'13.2"	
5					19°41'25.1" 84°32'12.1"	
6					19°41'24.9" 84°32'11.7"	
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Full signature of staff verified:

Name & Designation of the Staffs
of CCF & WPO, BBSR
Mohir Kumar Jena, FBO.
Pratap Kumar Behera, FG
Abhijit Mohanty, FG
Debaraj Kumar Behera, FG

Name & Designation of the ASKA
Range Staffs of Ghumsur (S) Division

Signature
Pr. Ye Ghumsur
(P. Suman Kumar)

**Joint Verification Report of Encroachment (Post-80) Area of
Ghumsur (South) Forest Division**

RANGE: ASKA

Sl.	Name of Forest Blocks	Name of the Section	Encroachment Area (in Ha.)				Remarks
			Location	Area	GPS location		
					Lat.	Long.	
1	PAKTDI	Senagada	K. N. Nagar	0.54	19° 31' 47.8"	84° 40' 07.8"	
2	D.P.F				19° 31' 48.1"	84° 40' 06.7"	
3					19° 31' 48.3"	84° 40' 05.6"	
4					19° 31' 48.5"	84° 40' 04.8"	
5					19° 31' 46.4"	84° 40' 04.9"	
6					19° 31' 45.9"	84° 40' 09.1"	
7					19° 31' 46.5"	84° 40' 06.3"	
8					19° 31' 46.5"	84° 40' 08.3"	
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Full signature of staff verified:

Name & Designation of the Staffs
of CCF & WPO, BBSR

Mohir Kumar Jena, FRO
Pratap Kumar Behera, F.G
Abhijit Mohanty, Fg
Debadranjan Behera, FRO

Name & Designation of the
Range Staffs of Ghumsur (S) Division

Chandini K. proude (dr)
Shenagada Sec.
ASKA
Santanu Kumar Nayak
Kham dadauli, BBSR

**Joint Verification Report of Encroachment (Post-80) Area of
Ghumsur (South) Forest Division**

RANGE: Beyada

RANGE: 130/2000						
Sl.	Name of Forest Blocks	Name of the Section	Encroachment Area (in Ha.)			Remarks
			Location	Area	GPS location	
					Lat.	
1	Somthar	Balipada	---	~12	---	---
2	Gulera					
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Full signature of staff verified:

Name & Designation of the Staffs
of CCF & WPO, BBSR

Pradeep Kumar Sethi Fln

Name & Designation of the _____
Range Staffs of Ghumsur (S) Division

Sandhasuli's RF before 2001, There was
encroachment around 0.8096 near
Anakhpur village in Sandhasuli's R.F.
when Anakhpur V.S.S. was formed then
the village V.S.S. members brought back
that encroached area and made a
V.S.S. plantation over that site
including adjoining area in Sandhasuli's
RF during 2001-02.

Haguru Behera,
Fr.

Babu

(Noolamochal Sahu)
Forester
Ballyasore Sectors

**Joint Verification Report of Encroachment (Post-80) Area of
Ghumsur (South) Forest Division**

RANGE: Buguda

RANGE: 1346/201							
Sl.	Name of Forest Blocks	Name of the Section	Encroachment Area (in Ha.)				Remarks
			Location	Area	GPS location		
					Lat.	Long.	
1	Kriamba	Bhagabaz	Thampada	5.2 Ha.	19°51'49.2"	84°55'04.6"	
2	R.F	pu			19°51'48.2"	84°55'06.0"	
3					19°51'49.4"	84°55'12.0"	
4					19°51'52.2"	84°55'11.7"	
5					19°51'57.0"	84°55'11.5"	
6					19°51'59.3"	84°55'08.4"	
7					19°51'57.1"	84°55'06.6"	
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Full signature of staff verified:

Name & Designation of the Staffs
of CCF & WPO, BBSR

Magaxi Belera Fr.
Pradeep Kumar Sethi Fr.

Name & Designation of the _____
Range Staffs of Ghumsur (S) Division

Abinash Kanhan (Fr.)
Hemapali Beak
Ratinder Mallick (Fr.)
Muapalli Beak

**Joint Verification Report of Encroachment (Post-80) Area of
Ghumsur (South) Forest Division**

RANGE: Bugunda

Sl.	Name of Forest Blocks	Name of the Section	Encroachment Area (in Ha.)				Remarks
			Location	Area	GPS location		
					Lat.	Long.	
1	Jholeay	Khande	Khande	0.0410	19°44'58.4"	84°43'30.9"	
2	RF	Balepada		Ha.	19°44'59.2"	84°43'30.0"	
3					19°44'59.3"	84°43'30.4"	
4					19°44'58.6"	84°43'30.9"	
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Full signature of staff verified:

Magami Behera Fr.

Name & Designation of the Staffs
of CCF & WPO, BBSR

Pradeep Kumar Sethi Fr.

Pradeep
Fr. Balipada
(Neebomahal Lake)

Name & Designation of the
Range Staffs of Ghumsur (S) Division

**Joint Verification Report of Encroachment (Post-80) Area of
Ghumsur (South) Forest Division**

RANGE: Polasara

Sl.	Name of Forest Blocks	Name of the Section	Encroachment Area (in Ha.)				Remarks
			Location	Area	GPS location		
					Lat.	Long.	
1	Pandrupada	Jachab	Bhelia	187.10	19°48'57.3"	84°55'18.1"	
2	RF	aka	male		19°48'53.9"	84°55'15.3"	
3					19°48'50.6"	84°55'10.8"	
4					19°48'48.3"	84°55'05.9"	
5					19°48'45.3"	84°55'00.4"	
6					19°48'39.1"	84°54'56.5"	
7					19°48'34.8"	84°54'50.2"	
8					19°48'29.1"	84°54'43.0"	
9					19°48'28.1"	84°54'41.2"	
10					19°48'26.4"	84°54'37.6"	
11					19°48'19.6"	84°54'41.3"	
12					19°48'12.4"	84°54'44.8"	
13					19°48'04.4"	84°54'49.2"	
14					19°48'02.9"	84°54'49.9"	
15					19°48'00.2"	84°54'51.2"	
16					19°47'59.2"	84°54'57.1"	
17					19°47'58.8"	84°55'05.3"	
18					19°47'59.0"	84°55'11.9"	
19					19°48'02.18"	84°55'16.9"	
20					19°48'07.8"	84°55'23.7"	
21					19°48'12.9"	84°55'28.7"	
22					19°48'17.0"	84°55'29.6"	
23					19°48'23.6"	84°55'30.9"	
24					19°48'28.6"	84°55'31.8"	
25					19°48'33.1"	84°55'32.4"	
26					19°48'37.0"	84°55'32.3"	
27					19°48'42.0"	84°55'32.1"	
28					19°48'46.7"	84°55'31.8"	
29					19°48'49.0"	84°55'28.0"	
30					19°48'53.3"	84°55'22.6"	
31							
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Full signature of staff verified:

N. Venkatesh (F.G.)
Rajkishor Behera (F.G.)

Name & Designation of the Staffs
of CCF & WPO, BBSR

Magnus Behera

Pradeep Kumar Saha F.G.

Name & Designation of the _____
Range Staffs of Ghumsur (S) Division

सुभाकुमार
गालीवाडी

**Joint Verification Report of Encroachment (Pre-80) Area of
Ghumsur (South) Forest Division**

RANGE: Polasara

Sl.	Name of Forest Blocks	Name of the Section	Encroachment Area (in Ha.)				Remarks
			Location	Area	GPS location		
					Lat.	Long.	
1	Jabalanda	Kodala	Prasanna	5.3000	19°40'25.4"	84°54'44.3"	
2	DFF		Prasanna	Ha	19°40'32.0"	84°54'43.7"	
3					19°40'36.3"	84°54'27.0"	
4					19°40'26.4"	84°54'37.3"	
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15	Prasanna		Prasanna		19°40'35.3"	84°54'51.5"	Prasanna
16					19°40'33.3"	84°54'51.5"	Prasanna
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Full signature of staff verified:

Lajju Sabarig. Kodala
Prasanna Kumar Bisoiya Sr.

Kalpana Kumari Pradhan Sr.

Name & Designation of the Staffs
of CCF & WPO, BBSR

Pradeep Kumar Sethi Sr.
Maya Devi Bheke Sr.

Name & Designation of the
Range Staffs of Ghumsur (S) Division

**Joint Verification Report of Encroachment (Pre-80) Area of
Ghumsur (South) Forest Division**

RANGE: Polasara

RANGE: P. Extension			Encroachment Area (in Ha.)				Remarks
Sl.	Name of Forest Blocks	Name of the Section	Location	Area	GPS location		
					Lat.	Long.	
1	kholaru	kholaru	Dhobala	16.300	19°40'31.6"	84°57'26.8"	
2	PRP		MLA	16.300	19°40'43.7"	84°57'29.5"	
3					19°40'48.9"	84°57'26.5"	
4					19°40'52.0"	84°57'21.8"	
5					19°40'54.6"	84°57'17.9"	
6					19°40'50.0"	84°57'16.8"	
7					19°40'44.2"	84°57'18.9"	
8					19°40'37.7"	84°57'19.8"	84°57'19.8"
9					19°40'31.5"	84°57'19.2"	
10					19°40'31.0"	84°57'24.3"	
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Full signature of staff verified:

Lajiv Sabar FG, Kodala
Prasanna Kumar Bisai, fr.

Kalpna Kumari Pradhan Fr.

Name & Designation of the Staffs
of CCF & WPO, BBSR

Pradheep Kumar Sethi Fr.
Magami Behera Fr.

Name & Designation of the _____
Range Staffs of Ghumsur (S) Division

**Joint Verification Report of Encroachment (Pre-80) Area of
Ghumsur (South) Forest Division**

RANGE: Polasara

Sl.	Name of Forest Blocks	Name of the Section	Encroachment Area (in Ha.)				Remarks
			Location	Area	GPS location		
					Lat.	Long.	
1	<u>Pamreepada</u>	<u>Jankabanda</u>	<u>Bhalia</u>	<u>50.5000</u>	<u>19°47'57"</u>	<u>84°54'11.9"</u>	
2			<u>middle</u>	<u>Ha.</u>	<u>19°47'40.4"</u>	<u>84°53'58.1"</u>	
3					<u>19°47'20.7"</u>	<u>84°53'53.2"</u>	
4					<u>19°47'33.2"</u>	<u>84°54'25.2"</u>	
5					<u>19°47'09.6"</u>	<u>84°55'52.5"</u>	
6					<u>19°47'40.8"</u>	<u>84°55'53.8"</u>	
7					<u>19°48'23.7"</u>	<u>84°56'07.8"</u>	
8					<u>19°49'03.2"</u>	<u>84°56'09.7"</u>	
9							
10							
11							
12							
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Full signature of staff verified:

Name & Designation of the Staffs
of CCF & WRO, BBSR

Maganu Behera
Pradeep Kumar Sethi CCF

N. Venkateshu (F-G)

Rajkishor Behera (F-G)

Name & Designation of the
Range Staffs of Ghumsur (S) Division

शशाङ्क बिहारी
गालिपोडा

APPENDIX – IV

LIST OF RIGHTS IN RESERVED FORESTS

N.B: THE RIGHTS ARE NOT RECORDED IN THE NAME OF ANY PERSON OR GROUP OF PERSONS BUT PRESUMABLY, THEY ARE TO BE EXERCISED BY PUBLIC AT LARGE.

DHEPAGUDA

- I Right of way is admitted over the under mentioned cart tracks and footpaths for men, cattle and carts to a width of four yards over the former, and for men only to a width of two yards over the latter.
- 1) Cart track from Dheppaguda to Sandipalpanka
 - 2) Cart track from Borapradhani to and Sandipalpanka
 - 3) Footpath from Malakunda to Deppaguda
 - 4) Footpath from Mundapetta to Boddangi
 - 5) Footpath from Dheppaguda to the shrine of Kalluni on Malleswara hill
 - 6) Foot path from Surunowti to the shrine of Dolloptro Mahaprabhu
 - 7) Footpath from Borapradhani to Gundriballi shrine
- II Right to worship at the under mentioned shrines is admitted. The shrines with a space of ten yards square in front of each will be demarcated out free from reservation and retained as enclosures within the reserve.
- 1) Dollopapstro shrine situate on a saddle between two hills about half a mile within the reserve South west of Surunowti village.
 - 2) The Kalluni shrine situate two chains within the reserve on the north slope of Malleswara on Gotsa hill.
 - 3) Gundraballi shrine situate on the eastern slope of Malleswra hill about ten chains within the reserve.

MUNDAPITA

- I Right of way is allowed over the under mentioned cart tracks and footpaths for men, cattle, and carts to a width of four yards over the former and for men and cattle to a width of two yards over the latter.
- 1) Cart track from Dulada to Sondaballi.
 - 2) Cart track from Dullada-Sondaballi cart track to Moyangi
 - 3) Cart-track from Sandipalpanka to Mirkote
 - 4) Footpath from Dullada-Sondaballi cart track No. I above to Deppapalli
 - 5) Footpath from Dullada-Sondaballi cart track No. I above to Lobeneswara
 - 6) Footpath from Bodangi to Mirikote
 - 7) Footpath from Sondaballi meeting the path from Bodangi to Mirikote
 - 8) Footpath from Mellakunda to Mirikote
 - 9) Footpath from Sonagonda to the temple of Koraballi goddess.

- II Right to worship at the temple of Koraballi goddess suited on the Modurabondo hill is allowed. The temple itself with the area included within a rectangular space measuring two hundred and fifty links long and two hundred links broad in front of the temple will be demarcated out free from reservation and retained as an enclosure within the reserve.

PIPALAPANKA

- I The villages of Sanogonda and Bolasi with an area around them of 90 and 40 acres respectively, and 20 acres of cultivated land around the site of the deserted village of Jidingibondo will be demarcated out free from reservation and retained as enclosures within the reserve with access to Sanogonda by cart track No. 3, 4, 5 and 6 to Bolasi by cart track No. 4 and foot path No. 10 and to Jindingibondo by footpath No. 10 and 11 below.
- II Right of way is admitted over the under mentioned cart tracks and footpaths for men, cattle and carts to a width of four yards over the former and for men and cattle to a width of two yards over the latter.
- 1) Cart track from Pipalapanka to Bhagavanpuram
 - 2) Cart track from Tolodontlingi to Sanakharikuti via Bodokharikuti
 - 3) Cart track from Sanogonda meeting the Local fund road
 - 4) Cart track from Sanolonda to Bolasi
 - 5) Cart track from Sanogonda to Tolodontalingi
 - 6) Cart track from Sanogonda to Nandapondoro and thence to Minajadi in Pondakhol muttah
 - 7) Cart track from Ganjano to Pankalagam
 - 8) Footpath from Pipalapanka to Upprodontalingi
 - 9) Footpath from Pipalapanka to Bodokharikuti
 - 10) Footpath from Nondapodoro to Bolasi and thence to Jidingibondo
 - 11) Footpath from Jidingibondo to Adijhola
 - 12) Footpath from Nandapodora to Pipalapanka
 - 13) Footpath from Chichakupa to Ganjano
 - 14) Footpath from Bhagavanpuram to Sorabadi in Pandakhol Muttah
 - 15) Branch footpath from footpath No. 8 above to Pennumala shrine
 - 16) Footpath from Chickakupa to Khondunodavi shrine
- III The shrines to Pennumala situated at the foot of Denga hill and of Khondunodavi situated on Chichakupa Dimira with the area included within a rectangular space measuring one hundred and twenty five links by one hundred links in front of each (a space of one eight acre around each) will be demarcated out free from reservation and retained as enclosures within the reserve with access by footpaths No. 15 and 16 respectively.
- IV Claim to Government patta rights over the following lands is admitted. The lands will be demarcated out free from reservation and retained as enclosures within the reserve.

NAME OF VILLAGE	NAME OF FIELD	AREA (Acres)
1) Tolodontalingi	Mandiokeri	0.96
2) Tolodantalingi	Uomajola	7.50
3) Nondapodoro	Land, top and tank	5.00
Access is allowed to fields 1 & 2 by cart track No. 3 above and to field 3 by cart track No. 6 and footpath No. 10 & 12 above.		

DHAUGAM

- I Right of way is admitted over the under mentioned cart track and footpaths for men, cattle and carts to a width of four yards over the former and for men and cattle to a width of two yards over the latter.
- 1) Footpath from Kojuripalli to Dhaugam
 - 2) Footpath from Nagonda to Dhaugam
 - 3) Cart track from Nagonda to Pipalapanka
 - 4) Cart track from Dabuki to Nagonda-Pipalapanka cart track No. 3 above
 - 5) Cart track from Dhaugam to Pipalapanka
 - 6) Footpath from Pipalapanka to Gudigam (Gomponkalo)
 - 7) Footpath from Gudigam (Gomponkalo) to Dhaugam
- II The cultivated lands of the deserted village of Dhaugam about 30 acres in extent will be demarcated out free from reservation and retained as an enclosure within the reserve. (The patta land of Ramachandra Patro of Pipalapanka measuring 6.0 acres is included in this area).

DABUKI

- I The following public rights of way have been admitted in this reserve:-
- 1) Cart track from Dabuki to Peruju
 - 2) Cart track from Pankalagam to Gonjano
 - 3) Cart track from Pankalagam to Peruju
 - 4) Cart track from Preruju to Ganjano
 - 5) Footpath from Dabuki to Chichukupa
 - 6) Footpath from Pankalagam to Chichukupa
 - 7) Footpath from right of way No. 1 to right of way No. 6
- N.B. Cart tracks are allowed to a width of twelve feet for men, cattle and carts and footpaths to a width of six feet for men and cattle.
- II The temple of “Mankadoma” goddess with a space of one sixteenth of an acre of land round it for the preparation of votive offering by fire, is admitted as an enclosure within the reserve, though being itself excluded from reservation, with right of way No. 6 supra.

PANKALAGAM

- I The following public rights of way are allowed.
- 1) The foot and cattle path three yards wide from Pankalagam to Kumbikattava
 - 2) The foot and cattle path three yards wide from Pankalagam to Gochha
- II The following has been demarcated out and retained as an enclosure within the reserve free from reservation.
- 1) Kumbikattva cultivation 23.07 acres in extent with access by the path No. I (1) supra.

BONDHAGOCHA

- I The following public rights of way have been admitted in this reserve.
- 1) Bandy track from Genja through the reserve near Sannokoranjayi and Bodokoranjayi to Pangapalli and Peruju
 - 2) Bandy track from Bandagocha to Ludruguda
 - 3) Footpath from Bodokoranjayi meeting the path No. 1 up the Bathogodo ghat to the Rodolo ghat to the Ranaba Zamindari
 - 4) Footpath from Ludruguda up the Kodolo ghat to the Ranaba Zamindari
 - 5) Footpath from Bandhagocha up the Bathulundaghat to Dhobadi
 - 6) Footpath from Genja to the temple of Kodaisworo goddess, situated on the Kodaisworo hill, for the purpose of worship
 - 7) Foot path from Bodokoranjayi to the above temple
 - 8) Footpath from Sanokoranjayi meeting the path No. 6
 - 9) Footpath from Peruju to the temple of Mankadam goddess, situated on a high ground to the northwest of Peruju
- II The temple of “Koodaisworo” and “Mankadama” goddess with space of one-eight acre round each for the preparation of votive offerings by fire, are admitted as enclosures within the reserve, though being themselves excluded from reservation.

HUKUMA

- I The local fund road from Surada to Govindapuram with a width of twenty-two yards on either side of the road from the center will be demarcated out free from reservation and retained as an enclosure within the reserve. It enters the reserve at the northwest corner of survey No. 5 of Ghasipada, runs northwest for about half a mile and quits it at the southeast corner of survey No. 126 of Moyangi
- II Right of way is admitted over the under mentioned cart tracks and footpaths for men, cattle and carts to a width of twelve feet over the former and for men and cattle to a width of six feet over the latter.
- 1) Cart track from Hukuma to Ballapennu
 - 2) Cart track from the Surada - Govindapuram Local Fund road to Ballupalli (deserted village)

- 3) Footpath from the Surada - Govindapuram Local Fund road to Ballupalli (deserted village)
- 4) Footpath from Boddangi
- 5) Footpath from Ballalpennu to the temple of Yangu goddess
- 6) Footpath from Hukuma to the temple of Bharandaimokti
- 7) Footpath from Moyangi to the temple Bharandaimokti
- 8) Footpath from Renti to the temple of Bhagadavi
- 9) Footpath from Maniyakati to the shrine of Manyakottipatu
- 10) Footpath from Bramhanakottibadi to the shrine of Kondunidavi

III Right to worship at the under mentioned temples and shrines is admitted. The temple themselves with the area included within a rectangular space measuring two hundred and fifty links long and two hundred links broad in front of each and the shrines with the area included within a rectangular space measuring one hundred and twenty five links long and hundred links broad in front of each will be demarcated out free from reservation and retained enclosures in the reserve.

- 1) The temple of Yangu goddess situated on the top of Gangari hill near Boddngi village
- 2) The temple of Bharandaimokti goddess situated on the top of Bharandai hill
- 3) The temple of Bhagadavi goddess situated at the foot of Bhagua hill
- 4) The shrine of Manyakottipatu goddess situated at the foot of Sulya hill near Maniyaka village
- 5) The shrine of Kondunidavi goddess situated at the foot of the Bodo Bhagua hill

IV) Claim to Government patta rights over the following lands of Govindpuram village is admitted. The lands will be demarcated out free from reservation and retained as enclosures in the reserve.

SURVEY NUMBER	EXTENT (Acres)	REMARKS
35	3.69	Access allowed to the land by foot path No. II (3) above
36	0.95	Access allowed to the land by cart track No. II (2) above

RAIPADA

I Right of way is admitted over the following cart tracks and footpaths for men, cattle and carts to a width of four yards over the former and for men and cattle to a width of two yards over the latter.

- 1) Footpath from the Surada-Aska Local Fund road to the shrine of Giridasuni
- 2) Cart track from Nuvapalli to Koradabadi
- 3) Footpath from Khillabadi to Tottapalli via Kava shrine
- 4) Footpath from Baliyagocha to the Kalavshrine
- 5) Footpath from Khillabadi over Osuagatti (pass) via Kondinadevi goddess (Shrine) to suramani
- 6) Branch footpath from Path No.5 above to Bojorogumma

- 7) Cart-track from Suramani to Ors
- 8) Cart track from Nuvagada to Suramani-Ora cart track No. 7 above
- 9) Footpath from Gundribadi to meet footpath from Khillabadi to Suramani No. 5 above

II Right to worship at the under mentioned shrines is admitted. The shrines will be demarcated out free from reservation and retained as enclosures within the reserve with a space of fifty-five yards long and forty four yards broad around shrine No. 2 and a space of twenty-seven and half yards long and twenty-two yards broad around each of the shrines Nos. 1 and 3

- 1) The Giridasuyni shrine situated at the foot of the Chenchunia hill. Access is allowed to the shrine by footpath No. 1
- 2) The Kalva shrine situated half way up the Kalvasonda hill. Access is allowed to the shrine by footpaths No. 3 and 4
- 3) Kondindevi shrine situated up the Osuragatti (Pass). Access is allowed to the shrine by footpath No. 5

PONDAKHOL

I The following public rights of way are allowed:-

- 1) The cart track five yards wide from Dokarabadi to Gazalbadi passing through the Lotha enclosure
- 2) The cart track five yards wide from Korada to Gochha
- 3) The foot and cattle path three yards wide from Gochha and Kallama to Sinkulapodoro
- 4) The foot and cattle path three yards wide from Gazalbadi to Daringibadi
- 5) The foot and cattle path three yards wide from Gazalbadi to Hatimunda (Chinna Kimidi Agency)
- 6) The foot and cattle path three yards wide from Gomponkalo to Rubangi
- 7) The foot and cattle path three yards wide from Gomponkalo to Pipalapanka
- 8) The foot and cattle path three yards wide from Pipalapanka to Adigudi
- 9) The foot and cattle path three yards wide from Pipalapanka to Minajadi
- 10) The foot and cattle path three yards wide from Pipalapanka to Ramanabadi
- 11) The foot and cattle path three yards wide from Tagaponka to Adigudi
- 12) The foot and cattle path three yards wide from Dokrabadi (Bodogodo Agency) to Tangaponka
- 13) The foot and cattle path three yards wide from Gocha to Lakiridima
- 14) The foot and cattle path three yards wide from Khariguda to Budumba
- 15) The foot and cattle path three yards wide from Adigudi to Koruballi
- 16) The foot and cattle path three yards wide from Lakiridima to Jarakuva.
- 17) The foot and cattle path three yards wide from Budumba to Lakridima
- 18) The foot and cattle path three yards wide from Khariguda to Adiponka
- 19) The foot and cattle path three yards wide from Bangada to Jarakuva
- 20) The foot and cattle path three yards wide from Jarakuva Adiponkapath to Dambadi
- 21) The foot and cattle path three yards wide from Krepubati to Rammanabadi
- 22) The foot and cattle path three yards wide from Bomarabadi to Sarakatta
- 23) The foot and cattle path three yards wide from Pajjibara to Ramanabadi

- 24) The foot and cattle path three yards wide from Pajibara to Bodima.
- 25) The foot and cattle path three yards wide from Dondadi to Budagada

The following villages and cultivation surveyed and demarcated have been retained as enclosures within the reserve free from reservation with access by the paths described above.

	Name of the Area	Acres
1	Lotha fields	22.95
2	Budaguda village	114.20
3	Bajjirima	131.40
4	Dondadi	68.80
5	Bodima	60.80
6	Pajibara	118.40
7	Ajudi	88.00
8	Sarakatta enclosure consisting of the villages of Sarakatta, Satulumma, Jarakuva and Munkudukiari	662.60
9	Dambadi village	76.80
10	Adiponka consisting of the Adiponka, Dongabondo and Pattasingi	760.00
11	Bongada village	65.00
12	Koruballi	66.03
13	Budumba	76.00
14	Didamponka village	149.07
15	Ramanabadi enclosure consisting of the villages of Rubangi, Bajupinda, Ramnabadi Nuagam, Gambhariguda, Madamada, Adigudi and Malikibando	1606.40
16	Navalipodaro village	24.05
17	Minajadi enclosure consisting of Minajadi and Togaponka villages	565.02

KRIAMBA

- I Right of way is admitted over the following cart tracks and footpaths, for men, cattle and carts to width of four yards over the cart tracks for men and cattle to a width of two yards over No. 3, 4, 5, 6, 7, 8, 9, 10, 11, 16, 19 and 22 and for men only to a width of two yards over No. 1, 25, 26, 27, and 28.

- 1) Footpath from Bhavasaro to the shrine Bengai Mohaprabo
- 2) Cart track from Bhavasaaro to Nuvagada
- 3) Footpath from Jadupada to the patta lands survey Nos. 31, 32 and 34 of Jhadupada
- 4) Footpath from Jhadupada to Kriamba
- 5) Footpath from Jhadupada to Badathunda
- 6) Footpath from Jhadupada to the patta land, un survey No. 8 of the same village
- 7) Footpath from Bodathunda to Kriamba
- 8) Footpath from Nuvapalli to Bodathunda
- 9) Footpath from Jhadupada to Nuvapalli
- 10) Footpath from Konnaipuram to Singupuram
- 11) Footpath from Konnaipuram to Bodiniikotto cattle Kraal
- 12) Cart track from Kannusorolo to Bhagabanpuram
- 13) Cart track from Panikesoro to Kannusolo

- 14) Cart track from Kanusorolo to Kiriamba, via Suliapalli and Singupuram
- 15) Cart track from Kannusorolo to Tallasora
- 16) Footpath from Tallasora to Bayandapalli
- 17) Cart track from Panikesoro to Tallasora
- 18) Cart track from Vonndharipalli to Tallasora
- 19) Footpath from Vondharipalli to Nadiamba in Athagada Zamindari
- 20) Cart track from Chirikipada to Nadiamba
- 21) Cart track from Chirikipada to Kummala in Athagada Zamindari
- 22) Footpath from Chirikipada to Vondharipalli
- 23) Cart track from Chirikipada to Tallasora via Bhutuapalli
- 24) Cart track from Kuvanola to Tallasora
- 25) Footpath from Kaddupada to the temple of Gangadharaswami
- 26) Footpath from Kottakollakoyimo to the temple of Gangadharaswami
- 27) Footpath from Kylasanagaram agraharam to the temple of Gangadharaswaamai
- 28) Footpath from Mukundapur (hamlet of Panikesor) to the shrine of Giriswaami

II Claim to patta rights over the following lands is admitted and the lands will be demarcated out free from reservation and retained as enclosures within the reserve with necessary access provided :-

Village	Survey Number	Extent (Acres)	Access
1. Jhadupada	31	0.68	Access is allowed to the land by the footpath R. W. No. 1(3)
Jhadupada	32	1.98	
Jhadupada	34	1.74	
2. Jhadupada	30 - A	0.71	Access is allowed to the lands by the footpath R. W. No. 1(5)
Jhadupada	30 - B	3.10	
Jhadupada	Unsurvey		
3. Jhadupada	8	2.05	TOTAL 10.33 Acres

III Right to worship at the following shrines and temples has been admitted.

- 1) The shrine of Bengai Mohaprabho situated on Bengai hill. Access is allowed to the shrine by the footpath, R. W. No. 1 (1)
- 2) The shrine of Giriswami situated on the northern slope of Bodakholi hill. Access is allowed to the shrine by the footpath, R.W. No. 1 (28) supra
- 3) The temple of Gangadharswami and its surrounding shrines. Also right to the mango garden called Kalidasa which lies four chains northeast of the temple is admitted. Access is allowed to this enclosure by the footpaths R. W. No. 1 (25), 26 and 27 supra
- 4) The shrine of goddess Rothini situated under a sago palm just inside the north side of survey No. 550 of Sotrousullo village and sixteen chains east of cairn No. 31. Access is allowed to the shrine by the cart track R. W. No. 1 (24)

IV Right to the use of the water of the following irrigation channels with right too repair their banks and to keep them clear of obstruction is admitted subject to the condition that no damage is done to the surrounding forest when clearing and repairing the banks of the channels and when the channels require such repairs the Forest Department should be made aware of the fact and the necessary repairs be done under the supervision of that department.

- 1) Dudia Jhora irrigation channel which irrigates the wet lands of Jhadupada and supplies the Jhadupada tank with water. The channel is constructed from Kriamba nala (stream) and runs thence generally west to the Jhadupada lands and tank.
 - 2) Kalabuthi irrigation channel. The channel is constructed from Kalabuthi nala (stream) and runs south southeast and leaves the reserve east of cairn No. 29.
- V The following villages with their lands will be demarcated out free from reservation and retained as enclosures within the reserve.
- 1) Nuvapalli. Access is allowed to the enclosure by the footpaths, R. W. No. 1 (23)
- VI The following villages which have been excluded from reservation under Section 4 notification have been retained as enclosures within the reserve.
- 1) Kriamba. Access is allowed to the enclosures by footpaths R. W. Nos. 1 (4) and (7) and cart track R. W. No. 1 (14)
 - 2) Bodathunda. Access is allowed to the enclosure by the footpaths R. W. No. 1 (5), (6) and (8)
 - 3) Kannusorol (temple inam land). Access is allowed to the enclosure by the cart tracks, R. W. Nos. 1 (12), (13), (14) & (15)
 - 4) Baayandapalli. Access is allowed to the enclosure by the footpath, R. W. No. 1 (16)
 - 5) Tallasore. Access is allowed to the enclosure by the cart track R. W. Nos. 1 (15), (17), (18) and (23) and footpath, R. W. No. 1 (16)
 - 6) Vodharipalli (hamlet of Tallasora village). Access is allowed to the enclosure by the footpaths, R. W. No. 1 (18)

KARCHULI - A

- I Right of way is admitted over the under mentioned cart track and footpaths for men, cattle and carts to a width of four yards over No. 1 for men, cattle to a width of two yards over No. 2 and 3 and for men only to width of two yards over No. 4 and 5.
- 1) Cart track from Madhupalli (hamlet to Takkarada) to Manitarā
 - 2) Footpath from Kondrayito Karchuli
 - 3) Footpath from Pinkalasayi to Kulapani (hamlet of Digiri)
 - 4) Footpath from Takkarada to the shrine of Torkatakurani
 - 5) Footpath from Nogudu to the shrine Ratnei
- II Right to worship at the following shrines is admitted. The shrines with the area included within a rectangular space measuring one hundred and twenty five links long and one hundred links broad around each will be demarcated out free from reservation and retained as enclosures within the reserve.
- 1) Torkatakurani shrine on the hill called Torka
 - 2) Ratnei shrine on the hill called Ratnakai

KARCHULI - B

- I The local Fund road from Karchuli to Aska with a width of sixteen yards on either side from the center will be demarcated out free from reservation and retained as an enclosure within the reserve. It enters the reserve at the northeast corner of survey No. 16 of Mottajhari, runs northeast for one and a half miles and quits it at the southwest corner of survey No. 180 of Karchuli.
- II Right of way for men, cattle and carts to a width of four yards is admitted over the cart track from Karchuli to Nimmapalli. It enters the reserve two chains southwest of the South west corner of survey No. 60 of Karchuli, runs west for about half a mile and quits it one chain east of the southeast corner of survey No. 47 of Karchuli.

PANCHABHUTI

- I The following public rights of way have been admitted in this reserve.
 - 1) Cart track from Panchabhuti to Jatra
 - 2) Cart track from Panchabhuti to Somalayi
 - 3) Footpath from Panchabhuti to Bamsupalli
 - 4) Footpath from Samalayi meeting the path No. III from Panchabhuti to Bamsupalli
 - 5) Footpath from Bellugumma to Panchabhuti
 - 6) Footpath from Rabogoda meeting the Panchabhuti - Somalayi cart track (No. II) above
 - 7) Footpath from Jaiko to Kudalopalli

N.B. Cart tracks are allowed to a width of twelve feet for men, cattle and carts, and footpaths to a width of six feet for men and cattle

BUDURUNGU

- I The following cart tracks and footpaths have been allowed as rights of way through the reserve.
 - 1) Cart track from Sisunda to Nyvapalli
 - 2) Cart track from Kumundi to Tamberi
 - 3) Cart track from Chancharapalli to Tamberi
 - 4) Footpath from Chancharapalli and Nuvapalli to Koradapalli
 - 5) Cart track from Koradapalli to Budurungu

CHAMUNDA

- I The following cart tracks have been allowed as right of way through the reserve.
 - 1) Cart track from Dhodapalli to Kumudi, Tamberi and Manitarra
 - 2) Cart track from Tamberi to Chamunda
 - 3) Cart track from Dhodapalli to Koradapalli

KADAPADA

I Right of way over the following cart tracks and footpaths is admitted for men, cattle and carts to a width of four yards over the former and for men only to a width of two yards over the latter.

- 1) Cart track from Manitarā to Chamunda
- 2) Cart track from Gopalpuram to Mumunda
- 3) Cart track from Chamunda to Tambri
- 4) Footpath from Chamunda to Gopalpuram
- 5) Footpath from Kumunda to Manitarā
- 6) Footpath from Kumunda to the shrine to Bojora shaliya

II Right to worship at the shrine of Bojora Shaliya situated on Shaliya hill is allowed.

NAGIRI

I The following cart tracks have been allowed as rights of way through the reserve.

- 1) Cart track from Khiroputti to Nagri
- 2) Cart track from Chillikomma to Motabadi
- 3) Cart track from Golabandho to Motabadi

SOLLUNDI

I The following cart tracks and footpaths have been allowed as rights of way through the reserve.

- 1) Cart track from Dakkarabadi to Sollundi
- 2) Cart track from Tonapalli to Sollundi
- 3) Footpath from Ronapalli lands to Sollundi lands
- 4) Cart track from Ronapalli to Betharasinghe
- 5) Cart track from Bariko land of Burujhola to Dakkarabadi
- 6) Cart track from Tolachekaram to Bariko land of Burujhola

KUMARSUNI VISHNUCHAKRAM

I The following public right of way has been admitted in this reserve and this block.

- 1) Footpath from Vajragado to Jilluba via the areas allowed for worship at the temples of Kumarsuni and Dwarasuni open to a width of six feet for men and cattle.

II The temples of Kumarsuni and Dwarasuni goddess, with a space of half acre round each for the preparation of votive offerings by fire, are admitted as enclosures within the reserve, themselves free from reservation. Water may be obtained from the spring close to Kumarsuni goddess.

SANDASULIA

- I Right to worship at the shrine of Indra and Indram is admitted. The shrine with a rectangular space of 20 cents around it shall be demarcated out free from reservation but retained as an enclosure within it. The measurement is as follows: behind the shrine ten links; in front thereof one hundred and ninety links; on either side fifty links.
- II Path from Ballibhadra to the shrine of Indra and Indram mentioned above is admitted for men only to a width not exceeding two yards. It enters the reserve at the southwest for about three furlongs to the shrine.

RAMAGUDA

- I Right of way is admitted over to the under mentioned footpaths for men and cattle to a width of two yards over Nos. 1, 2, 3, 4, 5, 8 and 10 and for men only to a width of two yards over Nos. 9, 6, 7 and 11.
- 1) Footpath from Lutchapada to Kantigoda
 - 2) Footpath from Kantigoda to Belupadu
 - 3) Footpath from Kantigoda to Ramaguda
 - 4) Footpath from Ramaguda to Badigam
 - 5) Footpath from Ramaguda to Baradangudi
 - 6) Footpath from Ramaguda to Padukuvva enclosure.
 - 7) Footpath from Padukuvva to Baradangudi
 - 8) Footpath from Burugam to Sorakota
 - 9) Footpath from Burugam to Padukuvva enclosure
 - 10) Footpath from Nunigoda to Sorakata
 - 11) Footpath from Medinipuram to Sorakota
- II Right to worship at the following shrine is admitted. The shrine will be demarcated out free from reservation and retained as an enclosure within the reserve with access allowed to it by the following footpath admitted to a width of two yards for men only. Sitapalli Devi shrine (two small stones) enclosed in the shed measuring twelve feet long and eight feet broad.
- Footpath to the shrine branches off from footpath No. 11 (Medinipuram to Sorakota) about one mile and two and a half furlongs northwest of the point of entrance into the reserve of that footpath, when it runs southwest for about two furlongs to the shrine.
- III The village of Papdukuvva will be demarcated out free from reservation with sufficient area around it for cultivation and retained as an enclosure within the reserve with access to it by footpath No. I (6), I (7) and I (9).

BANIAMARI

- I Right of way is admitted over the under mentioned footpaths for men only to a width of two yards each.
- 1) Footpath from Maduri to Balliguda

- 2) Footpath from Lundruguda to Madhuri
- 3) Footpath from Bettajhora to Baniamari
- 4) Footpath from Koilakota to Baniamari
- 5) Footpath from Koilakota to Purnapatna
- 6) Footpath from Lundruguda to Balliguda.

RAMAPALLI

- I Right of way is admitted over the under mentioned footpaths for men and cattle to a width of two yards each.

- 1) Footpath from Nuvagam to Monthara Moliko's patta land
- 2) Footpath from Baniamari to the patta land of Dolakota
- 3) Footpath from Ramapalli to Ichchhapuram

- II Claim to Government patta rights is admitted over the under mentioned lands, which will be demarcated out free from reservation and retained as enclosures within the reserve.

Village	Owner Of Land	Extent (Acre)	Access
1) Nuvagam	Manthara Moliko & others	1.13	Access is allowed to the land by footpath No. R. W. I (1)
2) Dolakota (Deserted hamlet of Baniamari)	Hari Krishna Sahu and others	5.00	Access is allowed to the land by footpath No. R. W. I (2)

BUDHIGHATI

- I The existing customary rights of the local inhabitants to collect minor forest products (MFPs) either for their personal consumption or for sale shall not be affected in any manner by this notification.

APPENDIX – V

Terms on which concessions are granted to the Kondh residents of villages in Sorada, Buguda and Berhampur ranges (vide Chief Conservator's Proceeding No. 85, dated the 25th February 1923)

“In consideration that -

- (1) The Kondhs of.....village.....maintain and keep in good order the demarcation lines of the reserves within the neighbourhood of their village.
- (2) The Kondhs keep all the fire lines in.....completely clear of combustibles from 15th February to the commencement of the rains.
- (3) The Kondhs patrol the reserves near their village and prevent, put out and report fire in the reserves near their village.
- (4) The Kondhs supply labour at the ordinary coolie rates for forest work when called upon to do so by the Range officers.
- (5) The Kondhs assist the Forest Department at times to protect the state forests and detect offences and perpetrators of offences.

The District Forest Officer on his part undertakes on behalf of Government to grant them :-

- (1) trees for plough;
- (2) third class and unclassified timber for the repair of their huts;
- (3) bamboos for the repair of their huts;
- (4) permission to collect from.....reserve the following minor forest produce;
- (5) permission to collect the fruits of the fruit trees in the poramboke and waste lands of their village;
- (6) permission to graze.....cattle free:

Provided that (1) except in the case of concessions (4) and (5) above the produce granted is not used for sale or barter; (2) no timber is felled by the Kondhs unless previously marked for them by the Range officer or by a Forester under the Ranger's orders; (3) no material is extracted from or cattle grazed in the specially protected Sal blocks; (4) only bonafide Kondh inhabitants of the village of.....shall be entitled to the above concession; and (5) the District Forest Officer may without warning cancel any or all of above concessions at his discretion and impose restrictions as appear desirable.

**List of villages, the Kondh Residents of which enjoy concessions of forest produce
in Chattrapur Division (Ghumsur (South) Forest Division)**

SORADA RANGE			
1. Ponkalo	2. Kharigudapalli	3. Pragpalli	4. Gochapalli
5. Sorabadipolly	6. Kopakhallo	7. Surumnipolli	8. Totabalipolli
9. Nuagam	10. Moriyapotra	11. Gadipolli	12. Pettagada
13. Bengaibondho	14. Jhuntiapolli	15. Badaponkalo	16. Tokoballi
17. Nondiguda	18. Bondacochapalli	19. Nuagam	20. Rasokhallo
21. Bhejjipalli	22. Khondapolli	23. Bhijiput	24. Bakhara
25. Adihjola	26. Upper Dantalingi	27. Bhagabanpur	28. Kondho Bhumi
29. Makarapalli	30. Bellogonda	31. Choudhipolli	32. Jodapolli
33. Bhatipolli	34. Maridipalli	35. Khondapalli	36. Kotibadi
37. Khoppakhallo	38. Khaparaganpa	39. Nuakhalo	40. Singopolli
41. Ambokunia	42. Dheppapolli	43. Dharmopolli	44. Habomsoro
45. Sakatopolli	46. Dheppaguda	47. Mundapitta	48. Adiponko
49. Banduguda	50. Bodaponkalo	51. Domapolly	52. Natri
53. Mukundakhan	54. Jirakua	55. Rutangi	56. Ramanabadi
57. Nuagam	58. Bizipanda	59. Gombhariguda	60. Budakhullo
61. Rogonda	62. Satulima	63. Lakidima	64. Adiguda
65. Madamada	66. Tagaponka	67. Padigam	68. Gazalbadi
69. Boragam	70. Nuagam	71. Gazalbadi (Nuagam)	72. Gonoponkalo
73. Nuagam	74. Ballaponka	75. Gindabadi	76. Tumabadi
77. Sanogochha	78. Sorabadi	79. Kamalikota	80. Dabiki
81. Budaguda	82. Dimabadi	83. Pajjibora	84. Ajiti
85. Sarakota	86. Gudipalli		
BUGUDA RANGE			
1. Ondhari	2. Bhutopalli	3. Talasoro	4. Badopalli
5. Kansarala	6. Khadalapalli	7. Nimapalli	8. Madhupalli
9. Rabogodo	10. Khadalopalli	11. Nuagam	12. Pokasunga
13. Bellaguma	14. Bodokholi	15. Somalai	16. Kondorai
17. Nuapalli	18. Dhandipothora	19. Singipore	20. Nuapalli
21. Nuapalli	22. Bodothonda	23. Kholiapoda	24. Kriamba
25. Kondhopalli			

APPENDIX – VI

Rules for the management of the forests and waste lands at the disposal of the Government within the Pondakhol Agency tracts and not included within any Reserved Forests

In 1914, Government framed the following rules (G. O. No. 3073 dated 27.10.1914) to regulate the management of the forests and waste lands at the disposal of the Government within the Pondakhol Agency tracts and not included within any Reserved Forests.

1. From and after the date of this notification it shall be unlawful for any person to fell, girdle, mark, lop, tap, uproot, burn, strip off the bark or leaves from or otherwise damage any tree growing on the said lands, or to remove the timber from or to collect the natural products of such trees or lands or to quarry or collect stone, lime, gravel or earth possessing any commercial value upon such lands unless he is authorized to do so by the Agent to the Governor or by some person duly empowered by the Agent to the Governor in that behalf.
2. The Agent to the Governor may, by order in writing to be duly notified in the district Gazette, select any areas within the said lands and may constitute them fuel or fodder reserves or grazing grounds, or may direct them to be placed under special fire protection. Upon the limits of these areas being notified in the District Gazette, it shall be unlawful for any person willfully or negligently to set fire to any trees, timber, grass or other forest produce, or to kindle or carry or keep burning any fire or to graze cattle or to permit cattle to trespass within such areas except at such places and subject to such conditions as may be prescribed by the Agent to the Governor by notification in the District Gazette.
3. The Agent to the Governor may, by order in writing, to be duly notified in the District Gazette prohibit the felling of any specified description of trees. Such trees shall be called “reserved trees” and such prohibition may be general or may be applicable only to areas selected under rule (2) above.
4. Genuine inhabitants of enclosed villages within the said lands shall be permitted to cut or collect and remove free of charge and without license, or permit, any tree, wood or

forest produce that they may require for actual home consumption except trees reserved under rule (3). They shall also be permitted to graze free of charge and shall be allowed annually free of charge as such, Sal timber for ploughs as the District Forest Officer may grant on receipt of an indent from the Moliko of each village. Goat browsing and shifting or temporary cultivation known as “Podu” shall be prohibited and all extension of cultivation shall be strictly in accordance with the special darkhast rules approved in G. O. No. 3268 Revenue dated 2nd December, 1908 subject to the provision that genuine Kondh inhabitants of Pondakhol shall not be required to pay the value of the tree growth on land darkhasted for by them but shall be required to fell, remove, stack and leave in charge of the Moliko of the nearest village all timber 4 feet in girth and above, of the following species:- *Shorea robusta*, *Terminalia tomentosa*, *Terminalia arjuna*, *Pterocarpus marsupium*, *Adina cordifolia*, *Stephehyne parvifolia*, *Diospyrus melanoxylon* and *Eugenia delbergioides* standing or lying on the land they darkhast for. Government reserve to themselves the right or otherwise disposing of the produce on the above lands. No extension of cultivation will be allowed within 100 feet of the banks of a water course on either side. The term ‘enclosed villages’ includes all villages which are within the said lands but does not include villages adjoining or adjacent to the said lands.

5. Upon any areas being selected by the Agent to the Governor under rule 2 of these rules and notified as therein prescribed it shall be unlawful for any person to hunt, shoot or fish within such areas, except under granted by the Agent to the Governor and subject to such condition as he may from time to time prescribe.

6. Whoever commits any breach or infringement of any of the above rules shall be liable, on conviction by a magistrate, to be punished with imprisonment of either description for a term which may extend to one month or with fine which may extend to Rs 200/- or with both.

7. Any power to select areas or issue notification, given by these rules, may be exercised from time to time as occasion requires and any orders or notifications made or issued there under may be cancelled or modified by the authority making them.

APPENDIX – VII

RIGHTS AND CONCESSIONS IN NON- RESERVED FOREST AREAS

Name of the Range	Name of the exzamindari	Blocks over which right exists	Reserved species in the blocks over which no right exists	Nature of right and concessions	Payment of cess	Grazing
Berham-pur	Chikiti	1. Ratnei 2. Dhanarasia	Nil	The tenants paying annual knife tax were enjoying 4 cart loads of fuel, one cart load of kanika, 6 khandies of Muli and 6 khandies of Daba Bamboo	Nil	As permitted from time to time.
	Bada-khemundi	1. Putakhhol 2. Gaida 3. Kerandimal 4. Changudidei	Bahada, Harida, Mukhtamanjee, Mahula, Kaitha, Sundargundi, Bamboo, Pansa, & Tamarind	The tenants had the right to remove forest materials from any place in the forests on payment of prescribed royalty.	--	As prescribed from time to time
Sorada	Badagada	Nil	--	--	--	--
Aska	Dharakote	1. Ambadaban 2. Pakidi 3. Gadagada 4. Malijhar - II	Teak, Sissoo, Piasal, Harida, Tentuli, Sahas, Mukhtamanjee, Saalua, Mahula, Panas, Karanja, Sahaj, Amba, Khaira & Bheru	In reserved land no rights or concession. In unreserved lands, the people had right to remove unreserved species free of royalty for domestic and agricultural use.	Nil	Unreserved forest free. Reserved forests, as permitted from time to time
Kodala	Khallikote & Athagada	1. Sodaka 2. Asurai 3. Pustapur 4. Krishnagiri 5. Mathakhhol 6. Solapa 7. Jhinkaria 8. Dumangiri 9. Ranibara-A 10. Ranibara-B 11. Ranibara-C 12. Jogia-I 13. Nandighor	Teak, Black wood, Pine, Myrobalan, Tamarind, Sal, Mahul, Mango, Jack, Satin wood, Soap nut, Iron wood, Karanja, Khaira, Guharia, Babul, Sahaj, Kusum, Kendu, Siris, Malanda, Dhau, Phasi, Vun, Teak, Mundimundi, Arjun, Sagapam, Wood apple, Falmyra, Date palm, Jambo, Kora, Kataka, Barkoli, Coconut, Char, Neem, Anala, Sunari Marking nut, Sundargundi, Mahalimba, Bandhan, Khari, Kasi, Srupatri, Korda, Sissoo	The villagers of neighbouring forests in respect of Athagada and Khallikote ex-Estate were allowed to take fuel and other materials required for agricultural or domestic purpose free of royalty from the Unreserved forests. Besides fire affected persons were allowed to one cartload of bamboo, one cartload of Madhur wood (Misc. wood) for re-roofing of each house free of royalty. Further the royats were allowed other forest materials at concessional rates for their domestic purpose.	Nil	Unreserved forests free. In reserved forests as permitted from time to time.

**Government of Orissa
Forest & Environment Department

RESOLUTION

No.IF-Affn.17/2008- 1 7 4 5 4 /F&E

Dated, Bhubaneswar the 22nd October, 2008

Sub: JOINT FOREST MANAGEMENT RESOLUTION, 2008

1. Introduction

Forests are one of the complex eco-systems. The role of forest in conservation of environment and economic prosperity of mankind is well established. Economic growth and environment protection are inextricably linked. For surviving on the earth we ought to live in harmony with Nature. Conservation of environment and protection of forest and wildlife have already been enshrined in our Constitution. Orissa has 58136 Sq. kms of forest area. 31.07 % of its geographical area is under forest cover. Forests play a very significant role in the socio-economic and cultural life of the people of the State. However, over the past few decades, the forests of Orissa are under heavy biotic pressure. The rich bio-diversity of the State is at risk. Man-animal conflict is on the rise. Hence, preservation and development of the rich sylvan heritage of the State is a priority of the State Government.

The National Forest Policy, 1988 envisages co-operation of the people in conservation and development of forests. The Government of Orissa have already adopted the policy of Joint Forest Management (JFM) and sought community participation for protection, regeneration and management of the forest wealth. Joint Forest Management is not only a tool for forest regeneration, but also a means of employment generation and social empowerment of the forest-fringe dwellers.

The State Government enacted the Orissa Village Forest Rules, 1985 which prescribed for a Management Plan for every village forest and sought co-operation of the community in protection of these forests. In 1988, the State Government had passed a resolution to formally introduce a Scheme of Protection of peripheral Reserve Forest areas with participation of the adjoining villagers by forming a Village Level Forest Protection

Committee. The scope of this resolution was enlarged in 1990 to include the Protected Forests. To make the forest-people interface, more effective and transparent, the Government of Orissa in Forest & Environment Department issued a resolution dated 3.7.1993. This resolution dealt in a fairly exhaustive manner the involvement all local communities in protection of adjoining forests, formation of Van Samrakhyana Samiti (V.S.S.), duties and responsibilities of the V.S.S. and their Executive Committees and the role of Forest Department and Gram Panchayats, preparation of Joint Forest Management plan, usufructory benefits for the V.S.S. and provisions of MOU and **related issues**. Subsequently another Government resolution dated 30.09.1996 tried to confer specific rights in favour of the Village Committees in respect of various **products**.

However, these Resolutions in the past did not cover the National parks and Sanctuaries. The Mangrove Wetlands and the Protected Areas (PA) of the State though need the participatory mode of management, require a different approach. In past all attempts to protect the PA from human interventions by coercion has resulted in hostile attitude of the people towards wildlife and forest staff. It has been realized that people living near the PA, while deriving little benefit from conservation, have paid enormous costs in terms of lost access to their life support systems. Further, there is restriction on harvesting of forest produce in the National Parks and Sanctuaries as per the orders of Hon'ble Supreme Court. It has therefore become essential to have a site specific, culturally sensitive and participatory approach, which would ultimately provide economic incentives to increase the net local benefit from conservation and sustainable resource use. Ecodevelopment is a strategy for securing support of the local communities and other stakeholders for the protected area management. The activities to be taken up under eco-development should have a strong Conservation-Development (C-D) linkage and may include Ecotourism and Off-farm activities as well as providing specific alternatives to local biomass dependencies on the PA.

The biodiversity rich Mangroves on the long coastal tract of Orissa are of immense value which provides ecological, livelihood and food security. Sustainable management of these vital and Life sustaining resources involving all the stakeholders by introduction of site specific participatory management practices is essential. Mangrove forests are fragile inter tidal ecosystem with characteristic salt tolerant vegetation. Sharing of forest produce with the participant user communities is an important ingredient of JFM. But the slow growing mangroves offer a very limited scope of providing wood and NTFP that

may serve as an incentive for ensuring participation of people. Hence Eco-development approach is essential which will focus on development of alternate resources and alternate livelihood security options.

Joint Forest Management is an evolving concept encompassing socio-cultural and economic dimensions. With the changing scenario of Forest Management, increasing awareness among people and experiences gained from the past management practices, it is now felt necessary that the State Government resolution on Joint Forest Management needs revision to make it more effective.

2. Selection of Area:

- i. The forests of the State shall be grouped into the following two categories:
 - a) Forest Area (Reserve Forest, Protected forests, Village forest and Revenue forests)
 - b) Protected Area (National Park and Sanctuaries) excluding Core Area, and Mangrove Wetland
- ii. Only such forest area shall be brought under the Joint Forest Management (JFM) where villagers of the adjacent villages or cluster of villages are *willing and/or* can be motivated to offer active cooperation, in management, protection and regeneration of the forests.
- iii. For the first category, villages located adjacent to such forest boundary should be considered as far as possible. For the second category, the villages located within the National Park/ Sanctuaries as well as adjacent to the same will be involved in protection and management of the wildlife and habitat.
- iv. The Reserve Forests and Protected forests, Village forests and Revenue forests having crown density of less than 40% will be treated as degraded forest land and brought under JFM.
- v. A committee consisting of the DFO, ACF, and concerned RO & Forester, here in after referred to as Divisional Level Committee (DLC) will decide the extent of area that may be assigned to any Joint Forest Management Committee (JFMC). While deciding the extent of area to be assigned, the committee shall take in to account the extent and density of forest area available at the site, the number of adjacent villages, their conflicting claims, if any, and users' regime. In case a group of villages decide to constitute one JFMC jointly, then a large area can be assigned according to their capacity to protect.

3. Constitution of Joint Forest Management Committee

- i Ordinarily there will be one Joint Forest Management Committee (JFMC) for a single village or a group of villages. However, depending upon the population and number of hamlets/Sahi and community composition more than one JFMC can be constituted in a village to have harmonious coexistence. The Committee constituted for the first category of forest will be known as Van Samrakshyana Samiti (VSS) while the Committee constituted for the second category will be known as Eco-development Committee (EDC).
- ii. (a.) Any forest officer not below the rank of a Forester shall request the Gram Panchayat (GP) to convene a meeting of all the adult members of all households residing in the hamlet/village/cluster of villages located as specified in Para 1 (iii) above.
- (b) The concept of Joint Forest Management including all rights and responsibilities of JFMC members and the Forest Department will be explained in this meeting,
- (c) If a minimum of 60% of the adult members of the hamlet/village/cluster of villages agree to constitute a JFMC then a resolution to this effect shall be passed and adopted in the meeting in the prescribed format (Form-1).
- (d) The Forester/Forest Ranger will send the resolution of the **meeting** along with his recommendation in Form-2 to the DFO for his consideration and constitution of the JFMC.
- (e) *The proposal shall be discussed in the meeting of DLC. After evaluating the motivation level of the villagers and taking in to account other relevant factors the committee may recommend the constitution of JFMC along with extent of forest area to be assigned. The proceedings of the meeting shall be recorded, signed by all participants and made available in the concerned file. There after the DFO shall issue an office order constituting the JFMC mentioning therein a registration number and the extent of area to be assigned.*
- iii All adults of the hamlet/village(s) are eligible to become members of the JFMC on payment of enrolment fee of Rs.1/- per person. The JFMC shall be considered functional if at least 60% adults enroll themselves as members.

- iv. The concerned Forester or VFW as may be assigned by the Divisional Forest Officer shall be the ex-officio Member Secretary of the **JFMC**. The elected Chairperson and Vice-Chairperson of the Executive Committee will also be the Chairperson, and Vice-Chairperson of the **JFMC**.

4. Constitution of the Executive Committee (EC)

- i. On receipt of DFO's office order in regard to constitution of JFMC, the Member Secretary will contact the Sarpanch/ward member(s) and other important persons of the hamlet/village(s) for calling a General Body (GB) meeting of the Gram Sabha to elect the EC.
- ii. The GB shall elect the Chairperson, the Vice-Chairperson and the Treasurer and another 8 (eight) members (Total – 11 members) (representatives) to constitute Executive Committee. Of this at least 5 shall be women members. The number of SC & ST members in the Executive Body shall be in proportion to their membership in JFMC.
- iii. Either the Chairperson or Vice-Chairperson shall be a woman.
- iv. The composition of the EC shall be as follows:

1. Chairperson	1	Elected Member
2. Vice-Chairperson	1	Elected Member
3. Treasurer	1	Elected Member
4. Ward Member (s)		Ex-officio Member (s)
5. Members	7	Elected Members
6. Forester/VFW (Member Secretary)		Ex-officio Member
7. Concerned Forest Guard		Ex-officio Member
8. Village opinion leader	1	Elected member
- v. The Range Officer concerned will act as the Returning Officer for conducting the election of the EC. It shall be the responsibility of the Returning Officer to ensure that the representation in the EC is strictly in accordance with reservation specified in para-ii above.
- vi. The EC will have tenure of 3 years at a time.

5. Meeting

- i. General Body (GB)
 - a. The GB meeting of the JFMC shall be held at least once in every six months. It can also be called as and when required.

- b. The Chairperson with an advance notice of one week will convene the GB.
- c. The Chairperson or Vice-Chairperson, if former is absent, shall preside over all the meetings of JFMC (GB).
- d. 50% of the members of the JFMC will constitute the quorum for the GB, out of which at least 40% should be women,
- e. Under special circumstances, special meeting of the JFMC can be convened provided at least one third of the members agree to convene such a meeting and make such a request to the Chairperson in writing. Where the Chairperson does not convene the meeting, the concerned Member Secretary shall convene the GB meeting with the approval of the Range officer. In all such cases, a 3 days notice indicating the purpose of the said meeting shall be circulated to all the members of the JFMC.
- f. The proceedings of the meeting shall be recorded in a register in Oriya language and shall be maintained by the Member Secretary. All decisions taken in such meetings shall be recorded in shape of resolution which shall be duly signed by the Chairperson, the Vice-Chairperson and the Member Secretary. A copy of the resolution will be forwarded to the Range Officer as well as to the DFO.
- g. The next Executive Committee shall be elected by GB at least one month before the tenure of the current EC expires. It shall be binding on the part of the Chairperson to convene this meeting.

ii . Executive Committee (EC)

- a) The Member Secretary with the consent of the Chairperson shall call the meeting of the EC at least once in 2 months.
- b) The meeting will be presided over by the Chairperson or by the Vice-Chairperson, if former is absent.
- c) The quorum for any meeting of the EC shall be 50% of its membership, out of which at least 2 shall be women.
- d) The Member Secretary or in his absence the Treasurer/ Forest Guard shall record the proceedings of the meeting in Oriya in a register to be duly signed by all the participating members. A copy of the proceedings will be forwarded to the Range Officer as well as to the DFO.

6. Duties and responsibilities of JFMC

- i) The members of the JFMC shall individually and collectively ensure protection of the forests against fire, grazing, illicit felling, theft of forest produce, poaching of wildlife and encroachment of the forest land. They should also ensure protection of Wildlife staying outside their assigned forests.
- ii) The JFMC may adopt its own patrolling system and regulate entry to the forest by the people and domestic cattle.
- iii) It shall be the duty of all members of the JFMC to prevent forest and wild life offence and pass on relevant information and intelligence in this regard to the forest officials.
- iv) The members of the JFMC shall actively help the forest officials in apprehending any person committing forest offence and in giving proper evidence against any such person in the court of law.
- v) The JFMC members shall help the forest department officials in protection and maintenance of the forest boundary pillars.
- vi) The JFMC shall prepare the micro plan and annual work plan for integrated development of the village (s) and for the conservation, development and sustainable management of the assigned forests and its wildlife. Summary of the micro-plan should be available in Oriya.
- vii) The members of the JFMC shall try to ensure gradual reduction in the dependence of the villagers on forests for their sustenance.
- viii) The JFMC shall have the powers to remove and/or substitute any elected (non-official) member of the EC by a simple majority of the members present and voting if the concerned member does not discharge his/her duties satisfactorily. The members of the JFMC shall also have the power to remove and replace the Chairperson of the JFMC by simple majority of members of the JFMC present and voting if the concerned **Chairperson** does not discharge his or her duties properly. In such cases a GB meeting will be convened as per procedure laid down in para 5(i)(e). The concerned Range Officer shall act as Returning Officer on all such occasions.
- ix) In case of a forest diversion proposal under Forest Conservation Act, 1980 covering a portion of the forest assigned to a JFMC the Range Officer shall inform the EC in writing and ask for its opinion. The EC should discuss all

aspects of the proposal in a special GB of the JFMC and forward its opinion on the said proposal to the concerned Range Officer who in turn would send the same to the DFO. The concerned DFO while forwarding the proposal onwards shall attach the comments of the VSS with it for consideration of the State Government/Government. of India.

7. Duties and responsibilities of the Executive Committee (EC)

- i. The EC shall carry out the day-to-day business of the JFMC as per provisions of the Resolution. It shall be responsible for managing and implementing Micro plan and annual plan and other decisions of the JFMC.
- ii. The EC shall be responsible for protection of the forests assigned to the JFMC and for apprehending the offenders. If the members of the VSS/EDC play a significant role in detection of forest offence and seizure of the forest produce within their village limits, they will be entitled for a fixed percentage of the value of the forest produce (except in case of WL Tophies) so seized as per procedure laid down in para - 11(iii) and (iv).
- iii. The EC in consultation with the GB shall evolve methodology on all issues relating to membership, conflict resolution, encroachment, customary rights and benefit sharing.
- iv. The EC of the VSS shall execute/carry out various silvicultural operations, intermediate and final felling as and when so advised by the Range Officer in accordance with the provisions of the management plan/ micro plan.
- v. The EC shall be responsible to account for and manage the funds and other resources received from the Government, other agencies and funds internally generated, if any. For this purpose a joint account called VSS account/EDC account shall be opened in any commercial, rural or cooperative Bank recognised by the RBI or in any post office, which shall be operated, jointly by the Chairperson and the Member Secretary of the JFMC. Utilisation Certificate relating to the expenditure incurred shall also be jointly signed by the Chairperson and the Member-Secretary and submitted to the concerned authorities whenever required.

- vi. The EC shall be responsible for managing funds received by JFMC by maintaining and operating VSS/ EDC account as per the procedure detailed in Annexure A.
- vii. The EC shall establish marketing linkage to various NTFP items and other micro-enterprise products for securing better returns to the beneficiaries.

8. Role of the Forest Department.

- i. To assign & demarcate the forest area in favour of VSS/ EDC.
- ii. To register the JFMC and maintain close liaison with them.
- iii. To ensure that the activities of the JFMC are in accordance with the JFM resolution and all other Acts and Rules of the State Government and Government of India in force.
- iv. To take subsequent legal action as per rule in cases where JFMC members have handed over the offenders and forest produce involved in offence.
- v. To ensure capacity building of VSS members on different aspects of forest management, planning, silviculture, nursery technology, forest laws accounting and book keeping etc. in a transparent manner.
- vi. To provide technical help to the JFMC member in preparation and implementation of the Micro plan/ annual work programme and approval of the same.
- vii. To sign Memorandum of Understanding with the JFMC and ensure sharing of benefit amongst all members in case of VSS only.
- viii. To motivate villagers to become active partner in the JFM programme of the State and organise village level meetings for this purpose.
- ix. To conduct election of office bearers and ensure appropriate participation of the weaker sections including women in all benefit sharing and decision making process of the JFMC.
- x. To establish coordination with other department/agencies for successful implementation of micro plan and related area development programme.
- xi. To guide the EC in discharge of their duties and resolving disputes.

9. Dissolution, reconstitution and supersession of JFMC

- i. Based on the report of the Range Officer or otherwise the DFO may dissolve, reconstitute or supersede any *JFMC* within his jurisdiction if in his opinion the activities of the VSS is detrimental to forest protection and

management. He may then order for restoration of management of the assigned forest with the forest department. The appeal against such order shall lie with the Conservator of forests whose decision shall be final.

- ii. If the work of the EC of any VSS is found to be against the principles of regeneration and proper management of forest, the DFO may dissolve and reconstitute the EC after due enquiry and recording his finding to this effect. The appeal against such order shall lie with the Conservator of forests whose decision shall be final.
- iii. On receipt of a report from the concerned Range Officer regarding irregularities by any member(s) of the EC or member (s) of the subcommittee appointed by the EC, the DFO may divest the said member (s) of their powers temporarily pending finalisation of enquiry to this effect.

10. Joint Forest Management Plan (Micro Plan)

- i. After constitution of the EC, as soon as possible, a Micro-plan shall be prepared by the members of the Committee through a participatory process involving VSS Members and with the field officers of the Forest Department.
- ii. The Micro plan shall be drafted in a prescribed format in Oriya language for the integrated development of the village/villagers constituting the JFMC as well as for conservation, sustainable management of the assigned forests based on local circumstances, priorities and assessed annual returns, with participation and involvement of line departments.
- iii. The Micro plan shall prescribe various, soil and moisture conservation measures, silvicultural operations, afforestation measures and steps to be taken for livelihood support of the forest dependent communities. It shall also incorporate formation of SHGs and micro-enterprise that may be feasibly undertaken based on locally available resources by them. In case of EDC, the Eco- development Plan may include activities such as:- eco-tourism, farm forestry, Agro forestry, Silvi-pasture development, promotion of fuel-efficient device, veterinary care to the village cattle population, development of pisciculture, poultry etc., mushroom cultivation, tassar cultivation, micro-credit facility and mobile health care facility etc.

- iv. The micro plan shall indicate the choice of species in different plantation models subject to forest laws in vogue. It shall contain a detailed regeneration and harvesting plan, which shall be consistent with the overall prescription of the working plan covering the area or the Wildlife Management Plan of the Protected area.
- v. The micro plan shall also detail out the various NTFP items that can be collected. This shall be done with due regard to the carrying capacity, productivity and biodiversity of the local ecosystem.
- vi. The draft Micro plan prepared by the EC shall be agreed upon the GB after deliberation.
- vii. The draft Micro plan as approved by the VSS and signed by the Chairperson shall be submitted by the Member Secretary to the Range Officer concerned who shall examine the micro plan from technical, social, financial and legal angle. The RO may refer back to the EC any suggested modifications for consideration and necessary amendment of the draft micro plan. The EC will discuss the suggested changes, incorporate the same in the draft Micro plan and resubmit the same to the RO.
- viii. After evaluating the Micro plan on technical, legal. Social and financial considerations, the RO shall accord his approval on the Micro plan. A copy of the approved Micro plan shall be kept for reference and record in each of the offices of the DFO. Range Officer, VSS and Member-Secretary.
- ix. For implementation of the approved Micro plan, an annual work plan (April-March) with estimates of cost and returns shall be prepared by the EC. The annual work plan for the coming financial year shall be submitted latest by the end of December each year by the Member-Secretary to the Range Officer. The annual Work plan will be approved by the competent authority depending upon its financial outlay.
- x. The finance required for implementation of micro plan / annual work plan may be borne by the State Government through the Forest department or may be received from Government of India or may be incurred from VSS account. Contributions from other Departments of the Government. District Rural Development Agency, Integrated Tribal Development Agency can also be accepted for this purpose. However contributions from National/ International donor agencies can be accepted with approval of Government.

- xi. Micro plan shall normally be for a period of 10 years with provision of mid-term review.

11. Usufruct benefits for the VSS

- i. The VSS shall be entitled to the usufructuary benefits from the assigned forests as under.
 - a. Usufructs like fallen leaves, fodder grasses, thatch grass, broom grass, thorny fencing materials, brushwood, fallen lops, tops and twigs to be used as fuel shall be available to the members free of cost.
 - b. All intermediate yield in the shape of small wood, poles, firewood etc as may be obtained as a result of silvicultural operations shall be made available to the VSS members in a manner as may be decided by EC including the option of at 'a price'. The funds so obtained shall be deposited in the VSS account. In case there is substantial quantity of surplus material, the EC may sell the surplus material under intimation to the DFO concerned.
 - c. In case of Kendu leaves and specified forest produce, leased items of NTFP, if any, the VSS members will have the right to collect the same from the assigned forest but these items shall have to be delivered to the departmental agencies or lessee on payment of prescribed rates for the collection of such items.
 - d. In case of a major harvest or final felling in the assigned forest, the same shall be taken up by the forest department strictly as per the prescription of the working plan/ duly approved micro plan. In case of natural calamities, harvesting of wind-fallen trees shall be treated as final harvest. The produce so obtained shall be sold/disposed off by the forest department or by agents of the forest department. The VSS will be entitled to 50% share of the sale price after deduction of proportionate harvesting cost and this will be deposited in their "VSS account". Provided that the VSS may also opt for 50% of the forest produce so harvested if it is for their bonafide domestic use and they agree to pay the proportionate cost of harvesting. In respect of the village woodlots raised under the SIDA Social Forestry Project on land notified as Village Forest and brought under JFM, the VSS shall be entitled to 100% of the usufructs in the final harvest of the plantation while they will be entitled for 50% of the share as usual during subsequent rotations.

- ii. The EC shall be responsible for the distribution of the usufructuary benefits equally or equitably among the members of the VSS as may be decided by it.
- iii. In cases where member/ a group of members of the JFMC play a major role in the collection of intelligence, detection and seizure of illegal forest produce in transit the concerned JFMC shall be entitled to the prescribed percentage of the sale price of the forest produce as per Rule 4 (3) of the Orissa Rewards for Detection of Forest Offences Rules, 2004. Such amount shall be deposited by the DFO to the "VSS account/EDC account" after disposal of the seized produce following due procedure of law.
- iv. Collection of money by any member or members of the VSS in relation to forest produce except as per provision of para 11(iii) as mentioned above will be illegal and would be dealt as per law.

12. Transit of harvested forest product

All forest produce requiring permits for transit as per provisions of Orissa Timber and Other Produce Transit Rules, 1980 shall be removed from the assigned forest area in accordance with a permit to be issued jointly by any authorized member of the EC and the Member-Secretary of the area in the prescribed format (Form-4). The permit shall be valid only within the limits of the area to which the VSS members belong and no second permit shall be issued in lieu thereof.

13. Conflict Resolution:

In case of intra village conflict in matters of implementation of Joint Forest Management, the Executive Committee of the VSS/ EDC shall endeavour to amicably resolve the conflict. If it fails to resolve the conflict, it shall bring the same to the notice of the Forest Range Officer with its recommendation of action to be taken. In case of inter village conflict, the same would be referred to the Panhayat Samiti for resolving the conflict. In case of a dispute amongst the villages of different Panchayats, the same should be referred to the Divisional Level Steering Committee and their decisions would be final.

14. Memorandum of Understanding (MoU)

- i. To ensure smooth working relationship between the Forest Department and the JFM committees and also to bring in a sense of ownership,

empowerment and accountability a MoU shall be signed between the FD and JFMC.

- ii. The VSS/ EDC through its EC shall execute a MoU with the Forest department for active participation in the task of protection, regeneration and management of the assigned forest area and for implementation of the programme as per the Joint management Plan (Micro plan).
- iii. The Chairperson of the VSS will sign the MoU on behalf of the VSS while the Range Officer concerned will sign the same on behalf of forest department. Other members at the EC will also be signatory to the MoU as witness while the concerned local forest officials such as: - the Forester/VFW and Forest Guard will also sign MoU as witness.
- iv. The MoU shall be in the prescribed form (Form-5).

15. Steering Committee

- i. There shall be a Steering Committee at the Forest Division Level and another at the State Level.
- ii. Forest Division Level Steering Committee: This committee shall comprise of the following members:-

a) Conservators of Forests	:	Chairperson
b) Divisional Forest Officer (Territorial or Wildlife)	:	Member Secretary
c) Representative of Collector, preferably ADM dealing with land matters	:	Member
d) Deputy Director (Agriculture)	:	Member
e) Chief District Veterinary Officer	:	Member
f) PO, DRDA	:	Member
g) PA, ITDA	:	Member
h) Deputy Director (Horticulture)	:	Member
i) Soil Conservation Officer	:	Member
j) Executive Engineer (RWSS/PHED)	:	Member
k) District Inspector of Schools	:	Member
l) 2 NGOs (to be nominated by the DFO)	:	Member
m) 5 VSS (Chairperson/ Vice-Chairperson (at least 2 women) (to be nominated by DFO)	:	Member

n) Chairperson of two Panchayat Samities to be nominated by Collector in rotation.

o) Prakruti Mitra and Prakruti Bandhu Awardees : Member (One to be nominated by DFO).

- iii. The tenure of the non-official members will be three years.
- iv. The Divisional Level Steering Committee will meet at least once in six months and shall monitor functioning of the VSS, implementation of micro plans and suggest measures of improvement.
- v. The Committee shall ensure coordination of all concerned departments/agencies at the district/sub-divisional levels for proper implementation of the JFM programme.
- vi. State Level Steering Committee: The constitution of the State Level Steering Committee shall be as under:
 - 1. Minister (Forest) : Chairperson
 - 2. Chief Secretary/Addl. Chief Secretary (Supervising Forest) : Vice Chairperson
 - 3. Principal Secretary, F & E Dept. : Member
 - 4. Principal CCF : Member
 - 5. PCCF (WL) : Member
 - 6. 2 C.Fs. from field to be nominated by PCCF : Member
 - 7. Secretary, Revenue Dept. : Member
 - 8. Secretary, Home Deptt. : Member
 - 9. Secretary, RD Dept. : Member
 - 10. Secretary, PR Dept. : Member
 - 11. Secretary, SC & ST Dept. : Member
 - 12. Two non-official experts to be nominated by Govt. : Member
 - 13. Special Secretary, F& E Deptt. : Member
 - 14. Chairpersons of two JFMC selected by PCCF : Member
 - 15. CCF (Affn and SF), Office of PCCF, Orissa : Member-Secretary
- vii. The non-official members of the State Level Steering Committee will have tenure of three years.
- viii. The Committee shall meet once in a year to review the progress of Joint Forest Management in the State. They may hold extensive deliberations on specific problems faced in implementation of the programme and may

guide and direct the operation of JFM programme in the State. They may recommend amendment of JFM provisions whenever required to steer the course of events in a positive direction.

16. Repeal and Savings:

This supersedes Forest & Environment Department Resolution No.16700-10F(Pron)-30/93-F&E dt.3.7.1993. However, all VSSs already formed under provisions of Forest & Environment Department Resolution No.16700-10F(Pron)-29/93-F&E dt.3.7.1993 will be recognized and treated as formed under this Resolution.

O R D E R

Ordered that the Resolution be published in the Extraordinary issue of the Orissa Gazette.

By order of Governor
H.S Chahar
Principal Secretary to Government
Forest & Environment Department

Memo No. **1 7 4 5 5** /F&E. Date: 22.10.2008

Copy forwarded to the Director, Printing, Stationery and Publications Orissa, Cuttack with a request to publish the resolution in the next issue of Orissa Gazette and supply 100 copies to the Department.

Sd/-

Joint Secretary to Government

Memo No. **1 7 4 5 6** /F&E. Date: 22.10.2008

Copy forwarded to the Commissioner-cum-Secretary to the Governor, Orissa/ Principal Secretary to Chief Minister, Orissa/Private Secretaries to all Hon'ble Ministers, Orissa for information and necessary action.

Sd/-

Joint Secretary to Government

Memo No. **1 7 4 5 7** /F&E. Date: 22.10.2008

Copy forwarded to all Departments of Government/ Accountant General (A&E), Orissa, Bhubaneswar for information and necessary action.

Sd/-

Joint Secretary to Government

Memo No. **1 7 4 5 8** /F&E. Date: 22.10.2008

Copy forwarded to the Principal Chief Conservator of Forests, Orissa/ Principal Chief Conservator of Forests (WL) and Chief Wildlife Warden, Orissa/ Addl. Principal Chief Conservator of Forests (KL)/ Project Director, OFSDP, Bhubaneswar/ Managing Director, OFDC Ltd., Bhubaneswar/ M.D., TDCC, Bhubaneswar/ Project Director, OTELP, Bhubaneswar/ Project Director, Western Orissa Livelihood Project/ Director, Orissa Watershed Development Mission, Bhubaneswar/ All Chief Conservators of Forests, Office of the PCCF, Orissa/ Chief Conservator of Forest, Wildlife, Office of the PCCF (WL), Orissa/ All Conservators of Forests/ All Divisional Forest Officers for information and necessary action.

Sd/-

Joint Secretary to Government

Memo No. **1 7 4 5 9** /F&E. Date: 22.10.2008

Copy forwarded to the RDC (CD), Cuttack/ RDC (ND), Sambalpur/ RDC (SD), Berhampur / All Collectors for information and necessary action.

Sd/-

Joint Secretary to Government

Memo No. **1 7 4 6 0** /F&E. Date: 22.10.2008

Copy forwarded to the Private Secretaries to Hon'ble Chief Minister / Chief Secretary/ Development Commissioner-cum-ACS/ Agriculture Production Commissioner/ Secretaries, Home Department./ Agriculture Deptt. / Revenue & Disaster Management Deptt. / Rural Development Deptt./ ST & SC Development Department/ Special Secretary, F&E Department/ Special Secretary, P&C Department for favour of information of Hon'ble Chief Minister /Chief Secretary/ Development Commissioner-cum-ACS/ Agriculture Production Commissioner/ Secretaries, Home Department./ Agriculture Deptt. / Revenue & Disaster Management Deptt. / Rural Development Deptt./ ST & SC Development Department/ Special Secretary, F&E Department/ Special Secretary, P&C Department

Sd/-

Joint Secretary to Government

Memo No. **1 7 4 6 1** /F&E. Date: 22.10.2008

Copy to Guard File, Plantation & Regeneration Section of F&E Department.

Sd/-

Joint Secretary to Government

ANNEXURE-A

ACCOUNTING PROCEDURE, DUTIES OF OFFICIALS AND NON-OFFICIALS

A. JFMC Account and Procedure of Accounting

- i. There shall be a Development Fund in each JFMC wherein money received by the JFMC will be deposited before it is used for any purpose. On receipt of resolution of the EC for opening of a bank account, the DFO shall recommend the same for opening savings bank account in any Nationalised Bank, Cooperative Bank, Rural Bank (recognised by RBI) or in Post Office which will be called the "JFMC Account". This account will be operated jointly by the Chairperson and the Member Secretary of the JFMC. (The JFMC shall open a savings bank account in any nationalized bank, cooperative bank, rural bank, post office proximate to the village. The account will be opened in the style of "(village name) JFMC Account". All money received by the JFMC either in cash or instrument shall be deposited into the account before it is used for any purpose. The account will be jointly operated by the Chairperson and Member Secretary.)
- ii. Any withdrawal from the JFMC account can be done only after a specific resolution of the EC in this regard and after one week of such resolution. A copy of the said resolution shall be endorsed to the concerned Range Officer who may communicate his opinion within a week if he differs with the resolution. In such a situation the EC will have to reconsider its proposal and accordingly take a decision.
- iii. The funds deposited into the JFMC account shall be utilised towards the conservation and development of forest, development of the village or for any other purpose ancillary to the implementation of the Micro plan.
- iv. In case the EC decides to spend the money from the 'JFMC Account/EDC account' for any other purpose it shall seek the approval of the General Body of the JFMC and then written permission from the DFO.
- v. The PCCF/Government may issue executive instructions for operation of the JFMC account, which shall be binding on the EC. In case of detection of any financial irregularity the concerned DFO may freeze the JFMC account for a specific period and conduct necessary enquiry and may take required legal action.
- vi. The Member Secretary shall be fully responsible for the submission of the Monthly account and maintenance of the Cash Book of the JFMC. The account shall be maintained in the same form as maintained by the Forest Department.
- vii. A monthly work programme shall be drawn up by the Forester concerned in consultation with the EC and will be implemented with the approval of the RO subject to availability of funds for the purpose. Funds will be withdrawn accordingly from the JFMC Account.
- viii. All vouchers will be passed by the EC and signed by the Member Secretary as well as the Chairperson/ Treasurer and shall be retained at the JFMC level. The Member Secretary will submit an abstract of receipt and expenditure to the concerned Range Officer by the 10th of the following month. RO will prepare a

- consolidated abstract of receipt and expenditures of all JFMC in his range and submit a monthly report to the DFO by 15th of the same month.
- ix. On receipt of the monthly Cash account of the JFMC the Range Officer will scrutinize make field verification if any and countersign the same. He will then send consolidated abstract of receipt and expenditure of all the JFMC in his Range along with his comments on each account to the DFO concerned. In all cases 'where the Range Officer raises objection on the expenditure incurred by any JFMC he should communicate the menu of objection to the concerned EC for compliance while also informing the same to the DFO. The decision of the DFO on this issue shall be final.
 - x. Annual receipt and expenditure of the JFMC shall be audited by an auditor to be appointed by the Conservator of Forests. The annual statement of receipt and expenditure of the JFMC account shall be placed before the GB for its approval. The audited and approved abstract of annual receipt and expenditure shall be communicated by the EC to the concerned RO and DFO.

B. Duties of the Chairperson

- i. To request the Member Secretary of the JFMC to convene meeting of EC and GB as per the provisions of the resolution and as and when necessitated.
- ii. To preside over the meetings of the GB and EC.
- iii. To sign the MoU on behalf of the JFMC as per provision of *Para 14 (iii)*.
- iv. To jointly operate with the Member Secretary the JFMC account/EDC account.
- v. To countersign all vouchers of payment and expenses, muster rolls and utilization measurement books and utilization certificates along with the Member Secretary. (The Chairperson may also authorize the Treasure in do the same on his behalf.)
- vi. To ensure implementation of the Micro plan, annual and monthly work plan.
- vii. The conduct all other functions that may be authorized by the GB or EC.

C. Duties of the Vice Chairperson

- i. To perform all functions of the Chairperson in his absence or on being instructed by the Chairperson.
- ii. Any other function as authorised or instructed by the GB or the EC.

D. Duties of the Treasurer

- i. To assist the Member Secretary in the maintenance of the JFMC account and submission of return thereof.
- ii To countersign all vouchers, muster rolls and measurement books, if authorised by the Chairperson.
- iii. The JFMC Treasurer should maintain a detailed record of the cost and benefit shared by the JFMC and FD in case of intermediate and final felling as per provisions of the micro plan. In case of the EDC, the Treasurer should maintain a detailed record of the benefits accrued to different members of the EDC through various development programmes.

E. Duties of the Conservator of Forests

- i. Evaluation of the performance of the JFMC. Approval and administrative sanction of the annual work plan depending upon its financial outlay as per delegation of financial powers by Government.

- ii. To appoint a registered auditor for the audit of annual accounts of the JFMC, which shall be completed by May of following financial year.
- iii. To dispose of appeals against the decision of the DFO on disbanding any JFMC and order for recovery of any amount after giving both sides reasonable opportunity of being heard.

F. Duties of Divisional Forest Officer

- i. To register the JFMC and assign Registration No.
- ii. Monitoring and evaluation of the performance of the JFMC.
- iii. Approval and administrative sanction of the annual work plan depending upon its financial outlay.
- iv. To ensure opening and operation of the joint savings bank account of the JFMC account/EDC account' in Nationalized Co-operative Bank (as recognized by RBI) in a Post Office by the Chairperson and Member Secretary of the JFMC.
- v. To impart training and lend assistance to the member of the JFMC for preparation and implementation of Micro plan.
- vi. To coordinate with other government and other agencies for execution of the work programme adopted under the micro plan and make the financial resources available.
- vii. To ensure proper participation in decision making of the JFMC/EDC by women and other weaker sections of the society and ensure proper sharing of benefits by all.
- viii. To ensure harvesting and marketing of forest procedure whenever required as envisaged in the approved micro plan/ annual work plan with the participation of JFMC members.
- ix. To maintain a ledger of the abstract of accounts of all the JFMC within the Division, make field enquiries if any and to submit their consolidated account report to the Conservator or Forests/Appropriate authority /Donor agency.
- x. The DFO may either himself or through the ACF at any point of time hold an enquiry into the accounts or any other activities of a JFMC and take appropriate action if any misappropriation of funds or irregularity is noticed.
- xi. To disband the EC and JFMC under *para 9 (i) and (ii)* or divest its powers under *para 9 (iii)*.
- xii. In special circumstances as a provisional alternative arrangement and with prior permission of the Conservator of Forests, DFO shall have the power to authorize the concerned Range officer to perform all the functions and exercise all the powers of the Member Secretary of a JFMC.

G. Duties of Assistant Conservator of Forests

- i. Monitoring and evaluation of the performance of the JFMC.
- ii. To guide the members of JFMC and offer required technical assistance to the JFMC member in preparation of microplan/ annual anion plan.
- iii. To make site inspection and conduct field enquiry to make an assessment of forest area to be assigned to a JFMC as member of DLC.
- iv. To conduct any other function as directed by the DFO for implementation of the JFM programme.

H. Duties of Forest Range Officer

- i. To guide the forester in initially organizing a meeting of the Gram Sabha for constituting the JFMC.
- ii. To oversee the constitution of the Executive Committee and to act as Returning Officer during the election of elected member of the EC.
- iii. To assist and train the members of the JFMC in preparation of the micro plan and annual work plan.
- iv. To assist the JFMC member in resolution of internal conflicts and in discharge of their functions.
- v. The RO shall attend all the special/ emergency meeting of any JFMC and will have the freedom to attend other meetings of any EC or JFMC.
- vi. To issue authenticated serial numbered and page certified account books, muster rolls and measurement books to a JFMC and to maintain an account of this.
- vii. To make field inspection of works executed by JFMC and communicate his comments or opinion to the EC for rectification of any defects.
- viii. On being authorized by the DFO as per para F (xii) to perform all functions of the member secretary under any JFMC under special circumstances.
- ix. To take follow up action as per rules after the detection of forest offence by the JFMC and to ensure that the JFMC gets its due share after disposal of the forest produce so seized.
- x. To demarcate the forest area to be assigned in favour of any JFMC.
- xi. He shall submit the consolidated abstract of receipts and expenditures of all JFMCs of his range within prescribed time period.

I. Duties of FEO

- i. He will be instrumental in spreading the message of JFM within the Range.
- ii. He will interact with villages /PRI and collect socio-economic profile of village.
- iii. He will assist the JFMC in PRA exercise and formulation of micro plan.
- iv. He will assist the R.O. in monitoring and periodic evaluation of all JFM programme in the range.

J. Duties of Forester/VFW

- i. He will be the ex-officio Member Secretary of the JFMC as well as that of the EC.
- ii. He shall maintain the proceedings of the GB and EC meetings.
- iii. He shall maintain the monthly receipt, expenditure account of the JFMC. He shall be the custodian of all books and vouchers of all JFMC under his responsibilities. He shall submit a monthly abstract of receipts and expenditure to the Range Officer by 10th of following month.
- iv. He shall operate the JFMC account jointly with the Chairperson of the JFMC.
- v. He shall assist the members of the JFMC in preparation and implementation of the Micro plan.
- vi. He shall keep the Range Officer continuously informed about functioning of all the JFMC under his control.

- vii. Under special circumstances where the Chairperson does not convene the meeting of the GB even after receiving written request from at least one third member of the GB, the Member Secretary shall convene the GB meeting with the approval of the concerned Range Officer.
- viii. To discharge all other functions of the Member Secretary as prescribed in the JFM Resolution.
- ix. To take follow up action as per rules after the detection of forest offence by the JFMC and to ensure that the JFMC gets its due share after disposal of the forest produce so seized.

K. Duties of Forest Guard

- i. To assist the Member Secretary to organize all meetings in the village.
- ii. To assist the villagers in preparation and in the implementation of the Micro plan / annual work plan.
- iii. To oversee harvesting and distribution of the forest produce among the JFMC members as per approved Micro plan.
- iv. To take follow up action as per rules after the detection of forest offence by the JFMC.
- v. To assist the Member Secretary in maintenance of Proceedings of all meetings of the JFMC and EC and records thereof.
- vi. To keep the Member Secretary continuously informed about the day-to-day activities of the JFMC and the daily progress of work.
- vii. To discharge any other function as insured by Range Officer or Forester.

ANNEXURE -B

Form-1

RESOLUTION

We the following villagers of _____ villages (s), hereby resolve to form a JFMC (Vana Smarakshyan Samiti (VSS)/Eco Development Committee (EDC) for the protection and management of the part/whole of _____ forest in accordance with the provisions of the Orissa Joint Forest Management Resolution, 2008. We also undertake not to contravene any provision of the Orissa Forest Act, 1972 and Forest Conservation Act, 1980 and any other Acts and Rules in force.

In case of failure to comply with any of the conditions laid down in the above said Resolution by any of the members of the JFMC, the membership of such member may be cancelled.

NAME OF VILLAGERS

SINGATURE

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 12
- 13
- 14
- 15

Form - 2

**RECOMMENDATION FOR FORMATION OF
JOINT FOREST MANAGEMENT COMMITTEE**

To

The Divisional Forest Officer _____ division

(Through Forest Range Officer _____ Range)

As per the provision of para 3 ii (a) of the Orissa Joint Forest Management Resolution, 2008, a meeting of the Gram Sabha of _____ village (s) was organized. The concept of Joint Forest Management including all rights, responsibility and benefits that might accrue to the JFMC members was explained in the said meeting. On being satisfied that 60% of adult members of the village are willing and interested to form a JFMC, I Shri _____ Forester of the _____ Section in pursuance to the provision of para 3 ii(d) of the said Resolution hereby recommend for the formation of the Vana Samrakshyana Samiti/Eco Development Committee (EDC) in this village(s). The details of the area are as follows:

1. Name of Committee:
2. Village:
3. Gram Pantheist:
4. C.D. Block:
5. Police Station:
6. Forest Beat:
7. Forest Section:
7. Forest Range:
8. Total Members (list of members enclosed):
 - i) No of S.T. member _____
 - iii) No of S.C. member _____
 - ii) No of women members _____
9. Forest areas proposed to be protected and managed _____ ha.
10. Name of the Forest Block _____
11. Comp. No. _____

The Resolution of the Gram Sabha of the village of _____ village(s) is attached herewith.

Signature of the Forester

OFFICE OF THE FOREST RANGE OFFICER _____ RANGE

Memo No. _____ Date _____

I forward herewith the Resolution of the villagers of _____ village along with the views of the Forester of _____ section. I recommend for formation of the JFMC in _____ village for the protection and management of _____ ha of forest area in _____ forest block.

Signature of Forest Range Officer

Form: 3

OFFICE OF THE DIVISIONAL FOREST OFFICER _____ DIVISION

OFFICE ORDER NO. _____ Date _____

After due consideration of the proposal submitted vide Memo No _____ office Forest Range Officer, _____ Range, and the recommendation of the DLC, I, in exercise powers vested under 3 ii(e) of the Orissa Joint Forest Management Resolution. 2008, accord my approval for constitution of VSS/EDC and order that the _____ Vana Smarakshyana Samiti/ Eco Development Committee for the _____ villager(s) is hereby constituted for protection and management of part/whole of _____ forests.

The _____ Vana Smarakshyana Samiti/ Eco Development Committee is registered in this office vide Registration No. _____

Forest Area Schedule:

Extent of Forest Area: ha

Description of Location:

**DIVISIONAL FOREST OFFICER
_____ FOREST DIVISION**

OFFICE OF THE DIVISIONAL FOREST OFFICER _____ DIVISION

Memo No. _____ Date _____

Copy forwarded to Forest Range Officer _____ Range for information and necessary action. He is instructed to demarcate the forest area as per above schedule and depict the area in the topo sheet (1:50000 scale). A copy of the map should be available with the VSS, Member Secretary, and Beat Guard and in the Range Office. Another copy of the map should be submitted to this office for record.

Copy forward to Sarpanch, _____ Gram Panchayat for information and necessary action.

**DIVISIONAL FOREST OFFICER
_____ FOREST DIVISION**

Form – 4
PERMIT UNDER THE ORISSA JOINT FOREST MANAGEMENT
RESOLUTION – 2008

- Name of the assigned Forests _____
- Description of Forest produce Quantity
- Source of Procurement of the forest produce _____
- Name of the JFMC Member _____

Date of issue:

Destination:

Valid up to:

(Signature of the Authorised Member
of the Executive Committee,
_____ JFMC)

Signature of the
Member Secretary

Form –5

MEMORANDUM OF UNDERSTANDING

1. We the members of the Executive Committee of the Vana Smarakshyana Samiti /Eco Development Committee of _____ village do hereby undertake individually and collectively to perform the duties and shoulder the responsibilities as detailed in the Orissa Joint Forest Management Resolution, 2008, for proper protection, regeneration and management of the forest areas as per the schedule given hereunder.

- i. Name of the JFMC
- ii. District _____
- iii. Forest Division _____
- iv. Forest Range:
- v. Section :
- vi. Beat:
- vii. Police station :
- viii. Village:
- ix. Name of the assigned Forest Block:
- x. Legal status of the Forest area:
- xi. Area (Ha) of the assigned forest:
- xii. Boundaries of the area:

North
South

East
West

- 1. We, understand that the usufructuary benefits as detailed in the aforesaid Resolution shall be allowed only upon satisfactory observance of the duties, responsibilities and functions by this Executive Committee and by the members of the Vana Smarakshana Samiti as per the aforesaid resolution. We undertake not to contravene any provision of any Act or Rules in force. In case of failure to comply with any provision of this Resolution by any member of the JFMC, the membership of such member may be cancelled and such member may not be allowed any usufructuary benefits from the date of termination of his/her membership.
- 2. A copy of the aforesaid Resolution is annexed herewith duly signed by us on every page in proof/evidence of our having read/understood the same in letter and spirit. It is hereby agreed that this MOU will come into effect from _____.

Signature of the Chairperson
_____ JFMC
Division:

Signature of R.O.
Range:

Witnesses:

- 1.
- 2.
- 3.

Witnesses:

- 1.
- 2.
- 3.

APPENDIX – IX

Name of the VSS and Assigned area of Ghumsur (South) Forest Division upto 2013

Sl. No.	Name of the VSS	Name of Forest Block allotted	Area in Ha.	Sl. No.	Name of the VSS	Name of Forest Block allotted	Area in Ha.	Sl. No.	Name of the VSS	Name of Forest Block allotted	Area in Ha.
1	2	3	4	1	2	3	4	1	2	3	4
Aska Range				Buguda Range				Badagada Range			
1	Cheramaria	Pakidi DPF	200	63	Mahulapalli	Panchubhuti RF	50	120	Gundribadi	Raipada RF	200
2	Pakidi	Pakidi DPF	200	64	Udayapur	Panchubhuti RF	100	121	Usta	Badagada (A) DPF	200
3	Khariguma	Chapudia DPF	260	65	Madhapalli	Panchubhuti RF	100	122	Ora	Badagada (B) DPF	100
4	Gambhariguda	Malijhar – II DPF	100	66	Samalai	Panchubhuti RF	100	123	Srirampalli	Srirampalli PRF	200
5	Sadangipalli	Malijhar – II DPF	200	67	B.Karadabadi	Karachuli A RF	100	124	Khariguda	Raipada RF	200
6	Kirtipur	Pakidi DPF	200	68	Jhollary	Jhollary PRF	100	125	Sarabadi	Raipada RF	100
7	Ramanapalli	Gouduni RF	100	69	Nagudu	Karachuli RF	100	126	Jaganathpur	Badagada (B) DPF	100
8	Asuraipalli	Gouduni RF	100	70	Karachuli	Karachuli B RF	100	127	Lengama	Badagada (B) DPF	100
9	Hadichira	Malijhar – II DPF	200	71	Sanakholi	Sandhachulia RF	100	128	Bahadapadar	Badagada (A) DPF	100
10	Sahaspur	Badua DPF	80	72	Raghunathpur	Panchubhuti RF	100	129	Kutuliguda	Badagada (A) DPF	100
11	Digi	Chemidi DPF	200	73	Talasakar	Solundi RF	50	130	Gojiakhamana	Badagada (A)	100

Sl. No.	Name of the VSS	Name of Forest Block allotted	Area in Ha.	Sl. No.	Name of the VSS	Name of Forest Block allotted	Area in Ha.	Sl. No.	Name of the VSS	Name of Forest Block allotted	Area in Ha.
1	2	3	4	1	2	3	4	1	2	3	4
										DPF	
12	Khadabhaga	Pakidi DPF	100	74	Mathajhari	Karachuli -B RF	50	131	Dumula	Badagada (A) DPF	100
13	Babampur	Gadagada DPF	200	75	Rabagada	Panchubhuti RF	100	132	Merikote	Merikote DPF	100
14	Sidhanai-Banabali	Gadagada DPF	200	76	Tikirapalli	Panchubhuti RF	100	133	K.Kalakhadi	Badagada (B) DPF	100
15	Gopalpur	Malijhar – II DPF	50	77	Panchabhuti	Panchubhuti RF	100	134	Bishnupur	Raipada RF	100
16	Bharatapalli	Chapudia DPF	100	78	Manitara	Karachuli A RF	50	135	Laxmipur	Raipada RF	50
17	Hanumandwar	Suliaguda, DPF	200	79	Kandarai	Karachuli A RF	50	136	Khajuridhia	Badagada (B) DPF	50
18	K.Bharatapalli	Pakidi DPF	100	80	Nuapalli	Kriamba RF	100	137	Kalakhadi	Badagada (B) DPF	50
19	Bhetanai	Gadagada DPF	100	81	Makarapalli	Kriamba RF	50	138	Kadaguda	Badagada (A) DPF	100
20	Jhadabandha	Machakhai DPF	100	82	Kansarala	Kriamba RF	100	139	Bajaraguma	Badagada (B) DPF	100
21	Bhaliaguda	Badagada (C) UDPF	100	83	Talasara	Kriamba RF	100	140	Mankadchua	Badagada (A) DPF	100
22	Jhilimili	-do-	100	84	Suliapalli	Kriamba RF	100	141	Suramani	Raipada RF	100
23	Kalasuta	Machakhai DPF	100	85	Kharida	Sandhachulia RF	100	Polosara Range			
24	Karadakana	Badagada (C) UDPF	100	86	Bhamsiali	Kriamba RF	100	142	Rampudi	Pandiripada RL	100
25	Badapur	Badagada (C) UDPF	100	87	Kuanalli	Kriamba RF	100	143	Jokabandha	Pandiripada RL	200
26	Sunamohi	Ambadabana DPF	200	Badagada Range				144	Nuniapada	Pandiripada RL	100

Sl. No.	Name of the VSS	Name of Forest Block allotted	Area in Ha.	Sl. No.	Name of the VSS	Name of Forest Block allotted	Area in Ha.	Sl. No.	Name of the VSS	Name of Forest Block allotted	Area in Ha.
1	2	3	4	1	2	3	4	1	2	3	4
27	Jharapari	Machakhai DPF	100	88	Kandhagochha	Raipada RF	50	145	Kasipada	Pandiripada RL	200
28	Kulagada	Ambadabana DPF	200	Surada Range				146	Nimina	Purunapani – Daburia RL	100
29	Baharapur	Malijhar – II DPF	100	89	Ramanabadi	Pandakhol RF	200	147	Jilunda	Purunapani – Daburia RL	80
30	Khairagada	Chapudia DPF	260	90	Rubangi	Pandakhol RF	200	148	Patiamma	Pandiripada RL	200
31	Gopapalli	Malijhar – II DPF	50	91	Sahanganda	Pipalpanka RF	200	149	Khumula	Pandiripada RL	200
32	Kerikerijhola	Pakidi DPF	50	92	Gundibira	Hukuma RF	200	150	Tiribiri	Pandiripada RL	200
33	Kusaraba	Ambadabana DPF	100	93	Hatiguda	Bandhagocha RF	200	151	Nuapalli	Pandiripada RL	150
34	Barikote	Kansa DPF	50	94	Saranauti	Dhepaguda RF	100	152	Palaba	Pandiripada	200
35	Machhakote	Malijhar – II DPF	100	95	Maniakathi	Hukuma RF	100	153	Dhoumala	Purunapani – Daburia RL	200
36	Sobhachandrapur	Pakidi DPF	40	96	Rumapalli	Pipalpanka RF	100	154	Bileijhari	Purunapani – Daburia RL	180
37	Ambuabadi	Pakidi DPF	50	97	Sampada	Pipalpanka RF	100	155	Mandar	Sodaka PRF	200
38	Dharakote	Suliaguda DPF	50	98	Bandhagocha	Bandhagocha RF	100	156	Biripur	Pandiripada RL	200
39	Singipur	Kantakhola DPF	200	99	Ghingisibadi	Pandakhol RF	100	157	Ichhapur	Pandiripada RL	200
40	Dantari Bagada	Badua PRF	80	100	Minajadi	Pandakhol RF	100	158	Banthapalli	Purunapani – Daburia RL	200
41	Khandipada	Badagada (C) UDPF	100	101	Pangiapalli	Bandhagocha RF	100	159	Randi	Pandiripada RL	40
42	Kendupalli	Suliaguda DPF	100	102	Ambakani	Pandakhol RF	100	160	Sabitri Bagad	Pandiripada RL	40

Sl. No.	Name of the VSS	Name of Forest Block allotted	Area in Ha.	Sl. No.	Name of the VSS	Name of Forest Block allotted	Area in Ha.	Sl. No.	Name of the VSS	Name of Forest Block allotted	Area in Ha.
1	2	3	4	1	2	3	4	1	2	3	4
Buguda Range				103	Bagilingi	Hukuma RF	100	161	Jagapalli	Pandiripada	40
43	Thanapalli	Solundi RF	100	104	Banjar	Raipada RF	100	162	Patalasingi	Pandiripada RL	200
44	Nagiri	Nagiri RF	200	105	Nua-Khilabadi	Raipada RF	100	163	Nadiamba	Pandiripada RL	200
45	Burujhola	Solundi RF	100	106	Gendabadi	Pandakhol RF	100	164	Mahulapalli	Pandiripada RL	200
46	Subudhipalli	Solundi RF	50	107	Baimela	Pandakhol RF	100	165	Pandripada	Pandiripada RL	200
47	Solundi	Solundi RF	50	108	Barapadhani	Dhepaguda RF	100	166	Balasingi	Pandiripada RL	200
48	Chilikhama	Nagiri RF	100	109	Pipalapanka	Dhougaon RF	100	167	Andhari	Pandiripada RL	200
49	Golabandha	Nagiri RF	100	110	Sampalli	Pipalpanka RF	100	168	Chakeipalli	Pandiripada RL	200
50	Mahulapalli	Sandhachulia RF	50	111	Jatrama	Pattangi Hill RF	100	169	Baidipada	Jokalundi DPF	200
51	Arakhapur	Sandhachulia RF	100	112	Kharikuti	Pipalpanka RF	100	Aska Range			
52	Karadapalli	Chamunda RF	50	113	Mahulapalli-(c)	Pandakhol RF	100	170	Paramanandapur	Kansa DPF	100
53	Dhodapalli	Chamunda RF	70	114	Sandhaballi	Mundapita RF	100	Badagada Range			
54	Jhatikapalli	Nagiri RF	100	115	Ambakana	Pandakhol RF	100	171	Saba	Badagada 'C' UDPF	100
55	Kumunda	Kadapada RF	120	116	Nahaganda	Dhougaon RF	100	172	Gajarkumpa	Badagada 'A' UDPF	100
56	Chamunda	Kadapada RF	200	117	Raigochha	Dhougaon RF	100	173	Besarabata	Badagada 'A' UDPF	100
57	Gholapur	Kadapada RF	100	118	Dhepaguda	Dhepaguda RF	100	174	Mangalpur	Badagada 'A' UDPF	100

Sl. No.	Name of the VSS	Name of Forest Block allotted	Area in Ha.		Sl. No.	Name of the VSS	Name of Forest Block allotted	Area in Ha.		Sl. No.	Name of the VSS	Name of Forest Block allotted	Area in Ha.
1	2	3	4		1	2	3	4		1	2	3	4
58	Kadapada	Kadapada RF	50		119	Tataballi (J.K.Pur)	Raipada RF	100		Aska Range			
59	Sisunda	Budurungu RF	120							175	P. Karadakana	Badagada 'C' UDPF	150
60	Chanchadapalli	Budurungu RF	150							176	Khandipada	Badagada 'C' UDPF	150
61	Ranibhumi	Chamunda RF	40							177	Garbaganda	Badagada 'C' UDPF	150
62	Khadalapalli	Panchubhuti RF	100										

APPENDIX – X(A)

OFFENCE CASES FOR THE MONTH OF JANUARY 2014 OF GHUMSUR SOUTH FOREST DIVISION, BHANJANAGAR (FOR THE FINANCIAL YEAR 2013-14)

Sl.	Items	Up to end of previous Month	During month	Total
1	2	3	4	5
1	a) No. of OR Cases booked.	212	17	229
	b) No.of Persons involved.	226	23	249
2	Quantity of Materials involved			
	a) Timber (Cum)	12.4976	0.9047	13.4023
	b) Firewood(MT)	3.785	0.29	4.075
	c) Bamboo (Nos.)	669	36	705
	d) Poles (Nos.)	59	38	97
	e) K.L.(Qntls.)	--	--	--
	i) Boulder (Cum)	3.39	--	3.39
	ii) B. Wood (MT)	--	--	--
	iii) Murrum(Cum)	--	--	--
	iv) Charcoal(kilns)	610 Kg.	--	610 Kg.
	v) Dry Sal Leaf(Qntl.)	--	--	--
	vi) L Stone	--	--	--
	vii) Mn Ore(in MT)	--	--	--
	viii) Bamboo Shoots	--	--	--
	ix) Iron Ore(in MT)	--	--	--
	x) Iron fines(in MT)	--	--	--
	xi) Metal(Cum)	--	--	--
	xii) Sal seeds(Qntl)	--	--	--
	xiii) K.L(Qntls.)	--	--	--
	xiv) Siali fibre(Qntl)	--	--	--
	xv) Meat(Wild Pig Kg)	2 Kg	--	2 Kg
	xvi) Meat(in Kg. Kutura	--	--	--
	xvii) Elephant Tusk	--	--	--
	Barking Deer	1 No.	--	1 No.
	xviii) Bamboo shoots (Karadi)	--	--	--
	Kochila Seed	5 Kg	--	5 Kg
	Madhabi Root(Sadhak Chera)	10 Kg.	--	10 Kg.
	Araguna Challi	25 Kg	--	25 Kg.

Sl.	Items	Up to end of previous Month	During month	Total
	Beta Seed	20 Kg	--	20 Kg.
3	Qnty. of materials disposed off			
	i) By handing over to OFDC Ltd.			
	a) Timber (Cum)	10.5624	--	10.5624
	b) Firewood(MT)	--	--	--
	c) Bamboo (Nos.)	--	--	--
	d) Poles (Nos.)	8	--	8
	e) MFP	--	--	--
	f) KL(in Qtl)	--	--	--
	ii) By Auction Sale			
	a) Timber(Cum)	--	--	--
	b) Firewood(MT)	--	--	--
	c) Bamboo(Nos.)	--	--	--
	d) Poles(Nos.)	--	--	--
	e) Sal seeds (Qntl.)	--	--	--
	iii) By compounding.			
	a) Timber(Cum)	0.67		
	b) Firewood(MT)	4.02		
	c) Bamboo(Nos.)	981		
	d) Poles(Nos.)	69		
	e) M.F.P (B.Wood)	--		
	f) Boulder(Cft)	120		
	g) Bamboo Shoots	--	--	--
	h) MFP (Moorum) (Cum)	--	--	--
	Kochila Seed	5 Kg.	--	5 Kg
	Madhabi Root(Sadha Chera)	10 Kg.	--	10 Kg.
	Araguna Challi	25 Kg.	--	25 Kg.
	Beta Seed	20 Kg.	--	20 Kg.
	i) Metal(Cum)	--	--	--
4	Sale amount realized.	--	--	--
5	a) No. of OR Cases sent to Court or prosecution.	8	--	
	b) No. of Persons involved	9	--	
6	No.of OR Cases compounded.	217		
7	Compounding fees realized.	63,830/-		
8	No.of P.R Cases pending off byCourt.	--	--	--
9	No.of P.R Cases disposal off byCourt.	---	--	--
	a) Caseslostby Deptt.	---	--	--

Sl.	Items	Up to end of previous Month	During month	Total
	b) Casesown by Deptt.	---	--	--
10	No.of U.D.Cases detected	183	12	195
11	Quantity. of materials seized in UD Cases			
	a) Timber(Cum)	55.9291	0.8953	56.8244
	b) Firewood(MT.)	0.13	0.05	0.18
	c) Bamboo(Nos.)	40	--	40
	d) Boulder	--	--	--
	e) Dead Tusker	2 Nos.		
	f) Poles(Nos.)	54		
	g) Brush Wood (MT)	--	--	--
	h) Sail Boat	--	--	--
	i) K.L. (Qntls.)	--	--	--
	j) Wild Life	19 Nos.	3 Nos.	22 Nos.
	k) M.F.P.	--	--	--
	Charcoal	425 Kg.	--	425 Kg.
	M Ore	--	--	--
	Gum (Qntl.)	--	--	--
	S.Wood.	64.275 Kg	--	64.275 Kg.
	L stone	--	--	--
	Elephant	1 No.(Calf)	--	
	Elephant Tusk	1 No.	--	
	Iron Ore(in MT)	--	--	
	Metal	--	350 cft	0
	Wild beer	--	--	
	Wild Pig	Meat=11Kg.	--	
	Peacock	1 No.	--	
	Black-buck	14 Nos		
12	No.of UD Cases disposed off	154 Nos.		
13	Quantity. Of UD Case materials handed over to OFDC Ltd.			
	a) Timber(Cum)	31.2978		
	b) Firewood(MT)	0.68		
	c) Bamboo(Nos.)	--		
	d) Poles (Nos.)	39		
	e) K.L.(Qntls.)	--	--	--
	f) Qnty. UD Case materials used in	--	--	--
	g) MFP	--	--	--
14	Qnty. of UD Case materials sold in Auction			
	a) Timber(Cum)	--	--	--

Sl.	Items	Up to end of previous Month	During month	Total
	b) Firewood(MT)	--	--	--
	c) Bamboo(Nos.)	--	--	--
	d) Poles(Nos.)	--	--	--
	e) K.L.(Qntls.)	--	--	--
	f) MFP(SialiFibre in)	--	--	--
	ii) UD Case materials used departmentaly (Timber)	14.0883 cum		
	Pole (Nos.)	1		
	Car Festival(Timber)	6.1193		
15	Amount realized by Auction Sale	Royalty realised Rs.2849/-for suply of timber for Departmental use Royalty realised Rs.4415/- for suply of UD Case Timber for Car Festival	--	Royalty realisedRs.2849/- for suply of timber for department use Royalty realized Rs.4415/- for suply of UD Case Timber for Car Festival
16	a) No.of Sec. 56 cases booked.	20		
	b) No.of Persons involved	10		
17	No. of Sec 56 cases under trial by A.O.	20		
18	No. of Sec-56 cases prosecuted to Court	--	--	--
19	No. of Sec. 56 cases disposed off.	--	--	--
20	No.of Vehicle/equipment/Forest Produce confiscated by AO			
	a) Motorized	--	--	--
	b) Non-motorized	--	--	--
	c) Saw Mills	--	--	--
	d) Forest produce	--	--	--
	Timber (Cum)	--	--	--
	Firewood (MT)	--	--	--
	Boulder (Cum)	--	--	--
	Bamboo (Nos.)	--	--	--
	Poles (Nos.)	--	--	--
	Stone (Cft)	--	--	--
	Axe	--	--	--
	Coal	--	--	--
	Metal (Cum)	--	--	--
	Iron Ore (in MT)	--	--	--

Sl.	Items	Up to end of previous Month	During month	Total
	Fire wood (in MT)	--	--	--
	Carpentary	--	--	--
21	No. of Vehicle & FP released			
	i) By Authorized Officer			
	a) Motorized	--	--	--
	b) Non-motorized	--	--	--
	c) Saw Mills	--	--	--
	d) Forest produces	--	--	--
	Timber (Cum)	--	--	--
	Firewood (MT)	--	--	--
	Iron fines (in MT)	--	--	--
	Iron Ore (in MT)	--	--	--
	Semi Made wooden Sofa, Dressing Table, Stool	--	--	--
	Bamboo (Nos.)	--	--	--
	Poles (Nos.)	--	--	--
	KL (Qntls.)	--	--	--
	MFP	--	--	--
	ii) By Appellate Court			
	a) Motorized	1 No.	--	
	b) Non-motorized	--	--	
	c) Saw Mills	--	--	
	d) Forest produces	Halfmade Furnitures	--	
22	No. of appeals filled by Deptt. against order or release			
	a) Against order ofAO	--	--	--
	b) Against order of Appellate Court	--	--	--
	c) No.of Appeal Cases in which Deptt. lost	--	--	--
	d) No.of Appeal Cases in which Deptt.Won	--	--	--
23	No.of confiscated vehicle& forest produce disposed off.			
	a) Motorized	--	--	--
	b) Non-motorized	--	--	--
	c) Saw Mills	--	--	--
	d) Forest produces	--	--	--
	e) Timber (Cum)	--	--	--
	f) Firewood (MT)	--	--	--

Sl.	Items	Up to end of previous Month	During month	Total
	g) Bamboo (Nos.)	--	--	--
	h) Poles (Nos.)	--	--	--
24	Amount of sale proceeds realeased			
	a) Sale of motorized vehicles	--	--	--
	b) Sale of Non motorized vehicles	--	--	--
	c) Saw Mills	--	--	--
	d) Forest produce	--	--	--
25	No. of motorized vehicle put to Deptt. Use.	--	--	--
26	Area of Forest land Encroached (in Ha.)			
	a) R F	--	--	--
	b) D P F.	0.228	--	
	c) UDPF	--	--	--
	d) KF	--	--	--
27	No of Encroachment Cases booked			
	a) R F	--	--	--
	b) D P F.	1	--	
	c) UDPF	--	--	--
	d) KF	--	--	--
28	No. of encroachment cases prosecuted to the Court	--	--	--
29	No. of encroachment cases disposed off by Courts.	--	--	--

APPENDIX – X(B)

DISPOSAL OF SEIZED FOREST PRODUCE OF GHUMSUR (SOUTH) FOREST DIVISION FOR THE QUARTER ENDING 31.12.2013

I. Disposal relating to OR Cases

Name of item of forest produce	Stock of forest produce at the beginning of the quarter	Quantity of forest produce seized during the quarter	Total (3+4)	Quantity of forest produce disposed of during the quarter				Balance stock forest produce	Progressing total up to the end of the quarter		
				Compounding	Delivery to OFDC. Ltd.	Auction	Total		Total quantity disposed of	Total amount accrued (Rs.)	Total amount deposited (Rs.)
1	2	3	4	5	6	7	8	9	10	11	12
Timber (in Cum)	86.7902	1.1663	87.9565	--	0.6422	--	0.6422	87.3143	146.7615	7,76,123	Compounding Fees Rs.1,21,175/- + Rs.11,195/- + Rs.2,646/- +Rs.5,600/-+ Rs.11,000/- +Rs.17,900/- + Rs.11,400/- + 14,500/- + 33,310/- Rs.2,28,726/- realized.

Firewood (in MT)	25.711	0.895	26.606	2.59	--	--	2.59	24.016	47.263	--	
KL (in Qtls.)	--	--	--	--	--	--	--	--	--	--	Sale value Rs.3,84,166/- realized. Royalty deposited OFDC Ltd. Rs.1,42,075/- Total = Rs.7,54,967/-
Poles (in Nos.)	888	15	903	9	--	--	9	894	929	--	--
Lodhame dha Bark (Kg)	20	--	20	--	--	--	--	20	--	--	--
Charcoal (in Kg.)	40	70	110	--	--	--	--	110	427	--	--
Bamboo (in Nos.)	3066	90	3156	577	--	--	577	2579	5017	--	--
Siali leaf plate (in bundles)	7	--	7	--	--	--	--	7	150	--	--
Sandal wood (in Kg.)	13	--	13	--	--	--	--	13	--	--	--
Stone	3	--	3	--	--	--	--	3	1 cft	--	--
Kochila Seed	--	5 Kg.	5 Kg.	5 Kg.	--	--	5 Kg.	--	5 Kg.	--	
Madhabi root	--	10 Kg	10 Kg	10 Kg	--	--	10 Kg	--	10 Kg	--	

Araguna Chhali	--	25 Kg.	25 Kg.	25 Kg.	--	--	25 Kg.	--	25 Kg.	--	
Beta Seed	--	20 Kg	20 Kg	20 Kg	--	--	20 Kg	--	20 Kg	--	

II. Disposal relating to U.D Cases

Name of item of forest produce	Stock of forest produce at the beginning of the quarter	Quantity of forest produce seized during the quarter	Total (3+4)	Quantity of forest produce disposed of during the quarter			Balance stock forest produce	Progressing total up to the end of the quarter		
				Delivered to OFDC	Auctioned & Others	Total		Total quantity disposed of	Total amount accrued (Rs.)	Total amount deposited (Rs.)
1	2	3	4	5	6	7	8	9	10	11
Timber (in Cum.)	171.6732	10.0658	181.739	5.4667	2.0600	7.5267	174.2123	945.4556	49,11,765	Sale value = Rs.6,04,646/- Royalty deposited by OFDC,Ltd.Rs.23,98,995/- +Rs.16,34,735/- (including OR, UD) Salvaged timbers + Rs.8,42,552/- (UD Case timbers) + Royalty deposited by OFDC Ltd. Rs.2,71,748/- = Rs.51,48,030- Royalty realized for Deptt. use of UD Case
Fire wood (in MT)	14.01	0.05	14.06	--	--	--	14.06	20.98	--	
KL (in Qtls.)	--	--	--	--	--	--	--	--	--	

KL (in Qtls.)										timber of Rs.1544/- + Rs.6375/-+ Rs.4362/- + Rs.254/- + Rs.2085/- + 444/- + 320/-Rs.15384/- Royalty realized of U.D Case materials for Car Festival Rs.2125/- + Rs.772/- + 3643/- Total = Rs.6540/- Grand Total = Rs.57,74,600/-
Poles (in Nos.)	931	8	939	--	--	--	939	1092	--	
Bamboo	4484	--	4484	--	--	--	4484	7849	--	
Sandal wood	127.600	64.275	191.875	--	--	--	191.875	--	--	
Charcoal (in Kg.)	1347	230	1577	--	--	--	1577	1416	--	
Stone in Tractor load	1	--	1	--	--	--	1	--	--	
Dead Tusker (Buried)	--	-	-	--	--	--	-	--	--	
Elephant Tusks	--	1 No	1 No	--	--	--	1 No	--	--	
Wild Pig in K.G (Buried)	--	-		--	--	--	-	--	--	
Black-buck died (Buried)	--	-	-	--	--	--	-	--	--	

III. Disposal relating to seized/UD/Salvaged timbers

No of trees salvaged	Qty. of forest produce obtained			Expenditure incurred	Qty. delivered to (OFDC Ltd.)			Qty. otherwise disposed off if any			
	Timber in Cum	Poles in Nos.	F.W in M.T		Timber in Cum	Poles in Nos.	F.W in M.T	Type of disposal	Timber in Cum	Poles in Nos.	F.W in M.T
1	2	3	4	5	6	7	8	9	10	11	12
Timber - 755 Nos. Pole - 4047 Nos.	295.97	4047	216.5	6,37,955/-	43.1393	234	29	--	--	--	--

Balance available			Causes of Non-delivery if any.	Amount of royalty fixed	Amount of royalty realized		Remarks
Timber in Cum	Poles in Nos.	F.W in M.T			From OFDC Ltd.	From others	
14	15	16	17	18	19	20	21
252.8307	3813	187.5		3,43,501.00	1,00,000/-		

APPENDIX – XI

SCHEDULE OF RATES, 1946

Schedule of rates of forest produce removed from the Reserved Forests
(Approved by the Agent to the Governor in Ganjam in his Letter D. Dis. No. 6094 / 38, dated the 21st February 1946).

Rules for the management and classification of timber

1. For the purpose of Royalty calculation timber the various species of trees are classed as follows :-

Class – I:	Sal	<i>Shorea robusta</i>
	Teak	<i>Tectona grandis</i>
	Piasal	<i>Pterocarpus marsupium</i>
	Sissha	<i>Dalbergia latifolia</i>
	Halanda	<i>Adina cordifolia</i>
	Mundi Mundi	<i>Mitragyana parvifolia</i>
	Gambhara	<i>Gmelina arborea</i>
	Bandhan	<i>Ougenia dalbergioides</i>
	Panasa	<i>Artocarpus integrifolia</i>
Class –II:	Mahula	<i>Madhuca latifolia</i>
	Dhou	<i>Anogeissus latifolia</i>
	Bheru	<i>Chloroxylon swietenia</i>
	Kendu	<i>Diospyros melanoxylon</i>
	Kongra	<i>Xylia xylocarpa</i>
	Kusuma	<i>Schleichera trijuga</i>
	Soma	<i>Soymida febrifuga</i>
	Sahaj	<i>Terminalia tomentosa</i>
	Arjuna	<i>Terminalia arjuna</i>
	Sunari	<i>Cassia fistula</i>
	Sidha	<i>Lagerstroemia parviflora</i>
	Karada	<i>Cleistanthus collinus</i>
	Jama	<i>Eugenia jambolana</i>
	Kasi	<i>Bridelia retusa</i>
	Handula Mahi	<i>Bursera serrata</i>
	Sirisi	<i>Albizia lebbeck</i>
	Phasi	<i>Anoglissus acuminata</i>
	Dhaman	<i>Grewia tiliifolia</i>
	Toon	<i>Cedrela toona</i>
	Khoira	<i>Acacia catechu</i>
	Sundra	<i>Acacia suma</i>
	Ghuharia	<i>Acacia leucophloea</i>
	Amba	<i>Mangifera indica</i>
Class –III:	All other species	

- ## CLASSIFICATION OF LOCALITIES

Class - A

- ## Class - B

- ### Class - C

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A. Royalty (Rates for Round Timber Green and Dry)								
Sl. No	Kind	Class	Dimension		Rate (Rs)			
			Length in feet / Diameter in inches over bark		Per	Locality A	Locality B	Locality C
1.	Poles	I	Any	< 4"	Ten	0.47	0.35	0.23
2.	Poles	I	Any	4"- 6"	Pole	0.37	0.28	0.19
3.	Poles	I	Any	6" - 8"	Pole	0.75	0.56	0.37
4.	Poles	I	Any	8" - 10"	Pole	1.50	1.12	0.75
5.	Poles	I	Any	10" - 12"	Pole	3.00	2.25	1.50
6.	Logs	I	Any	12" - 16"	Cft	1.12	0.56	0.28
7.	Logs	I	Any	16"- 20"	Cft	1.50	0.75	0.37
8.	Logs	I	Any	≥ 20"	Cft	1.87	0.91	0.47
9.	Poles	II	Any	< 4"	Ten	0.37	0.28	0.19
10.	Poles	II	Any	4"- 6"	Pole	0.28	0.19	0.14
11.	Poles	II	Any	6" - 8"	Pole	0.56	0.37	0.28
12.	Poles	II	Any	8" - 10"	Pole	1.12	0.75	0.56
13.	Poles	II	Any	10" - 12"	Pole	2.25	1.50	1.12
14.	Logs	II	Any	12" - 16"	Cft	0.75	0.37	0.19
15.	Logs	II	Any	16"- 20"	Cft	0.09	0.47	0.23
16.	Logs	II	Any	≥ 20"	Cft	0.09	0.47	0.23
17.	Poles	III	Any	< 4"	Ten	0.19	0.14	0.09
18.	Poles	III	Any	4"- 6"	Pole	0.14	0.09	0.08
19.	Poles	III	Any	6" - 8"	Pole	0.28	0.19	0.05
20.	Poles	III	Any	8" - 10"	Pole	0.56	0.37	0.28
21.	Poles	III	Any	10" - 12"	Pole	1.12	0.75	0.56
22.	Poles	III	Any	12" - 16"	Cft	0.28	0.14	0.08
23.	Poles	III	Any	16"- 20"	Cft	0.37	0.19	0.09
24.	Poles	III	Any	≥ 20"	Cft	0.47	0.23	0.12
B. Royalty Rates for Bamboos (Rs)								
Sl. No.		Description of produce			Per		Rate of all localities	
25.		Salia Bamboos			Every 10 fraction there of		0.09	
26.		Kanta Bamboos			Each		0.09	
27.		Kusangi (Bamboo branches)			Cart load		0.94	
28.		Kusangi (Bamboo branches)			Kavadi load		0.19	
29.		Kusangi (Bamboo branches)			Head load		0.09	
C. Royalty Rates For Firewood (Rs)								
Sl. No.		Description of produce		Per	Rates			
					Locality A	Locality B	Locality C	
30.		Firewood		Cart load	1.12	0.75	0.37	
31.		Firewood		Kavidi load	0.14	0.09	0.05	
32.		Firewood		Head load	0.08	0.05	0.03	
D. Royalty Rates For Other Produce (Rs)								
Sl. No.		Description of produce			Per		Rates for all localities	
33.		Babuli grass			Cart load		1.87	
34.		Babuli grass			Kavidi load		0.19	
35.		Babuli grass			Head load		0.09	
36.		Thatch grass			Cart load		0.75	
37.		Thatch grass			Kavadi load		0.05	
38.		Thatch grass			Head load		0.05	
39.		Broom grass			For every 10 brooms or portion there of		0.05	
40.		Fibre from climber			Cart load		0.75	
41.		Fibre from climber			Kavadi load		0.09	

42.	Fibre from climber	Kavadi load	0.05
43.	Leaves	Cart load	0.75
44.	Leaves	Kavadi load	0.9
45.	Leaves	Head load	0.05
46.	Honey	Seer	0.28
47.	Wax	Seer	0.28
48.	Sheekayi	Head load	0.19
49.	Arrow root	Cart load	15.0
50.	Arrow root	Kavadi load	1.50
51.	Arrow root	Head load	0.75
52.	Karala powder	Seer	0.19
53.	Tamarind	Cart load	5.62
54.	Tamarind	Kavadi load	0.56
55.	Tamarind	Head load	0.28
56.	Mahula flower	Cart load	8.44
57.	Mahula flower	Kavadi load	0.84
58.	Mahula flower	Head load	0.42
59.	Mahula seeds	Cart load	8.44
60.	Mahula seeds	Kavadi load	0.84
61.	Mahula seeds	Head load	0.42
62.	Karanja seeds	Cart load	8.44
63.	Karanja seeds	Kavadi load	0.84
64.	Karanja seeds	Head load	0.42
65.	Amala	Cart load	8.44
66.	Amala	Kavadi load	0.84
67.	Amala	Head load	0.42
68.	Bhalia	Cart load	8.44
69.	Bhalia	Kavadi load	0.84
70.	Bhalia	Head load	0.42
71.	Soap nut	Cart load	8.44
72.	Soap nut	Kavadi load	0.84
73.	Soap nut	Head load	0.42
74.	Fruits of mango, Kendu, Chara, Jamba, Kaitha and guava (jami)	Cart load	2.81
75.	Fruits of mango, Kendu, Chara, Jamba, Kaitha and guava (jami)	Kavadi load	0.28
76.	Fruits of mango, Kendu, Chara, Jamba, Kaitha and guava (jami)	Head load	0.14
77.	Harida	Cart load	5.62
78.	Harida	Kavadi load	0.56
79.	Harida	Head load	0.28
80.	Oil from jungle seeds	Kerosene tin	0.56
81.	Ambula	Cart load	5.62
82.	Ambula	Kavadi load	0.56
83.	Ambula	Head load	0.28
84.	Ambasadda	Head load	0.28
85.	Salia seeds	Cart load	1.87
86.	Salia seeds	Kavadi load	0.19
87.	Salia seeds	Head load	0.09
88.	Limestone	Cart load	0.05
89.	Rough stone	Cart load	0.09
90.	Gravel	100 cft	0.37
91.	Road metal	100 cft	0.37

SCHEDULE OF RATES, 1967

Government of Orissa, Co-operation and Forest Department Notification No .12 F (N / 2) 16 / 67 No. 9693 dated 23.05.67

In exercise of the powers conferred by sub section (h) of section 2 of Madras Forest Act, 1882 and in suppression of existing schedule of rates for forest produce in Ghumsur South Division including ex-Zamindary areas where Madras Forest Act is in force, the State Government do hereby enforce the following revised schedule of rates in these areas with effect from 1st July, 1967. These rates are applicable for bonafide domestic consumption and not for trade. The revised rates were to be effective from 01.07.1967.

For the purpose of schedule of rates reserved trees are classified into various classes as under :-

Class – I:	Teak	<i>Tectona grandis</i>
	Sal	<i>Shorea robusta</i>
	Bija	<i>Pterocarpus marsupium</i>
	Bandhan	<i>Ougenia oojenensis</i>
	Mundi	<i>Mitragyna parviflora</i>
	Khaira	<i>Acacia catechu</i>
	Tangan	<i>Xylia xylocarpa</i>
	Gambaro	<i>Gmelina arborea</i>
	Sahaj	<i>Terminalia tomentosa</i>
	Harida	<i>Terminalia chebula</i>
	Kusum	<i>Schleichera trijuga</i>
Class –II:	Sunari	<i>Cassia fistula</i>
	Char	<i>Buchanania latifolia</i>
	Mango	<i>Mangifera indica</i>
	Dhau	<i>Anogeissus latifolia</i>
	Kasi	<i>Bridelia retusa</i>
	Senul	<i>Salmalia malbarica</i>
	Rohini	<i>Soymida febrifuga</i>
	Panang	<i>Callyphullun incophyllum</i>
Class –III:	Other species except bamboo and cane not included above.	

SCHEDULE OF RATE					
Type	Class	Dimension		Rates (Rs)	
		Length in feet	Diameter in cm over bark	For Ghumsur (South) Division	For Pondakhol Mutta
A. Royalty Rates for Poles (Rs)					
Poles	I	Any	Under 30 cm	0.07 each	0.05 each
Poles	I	Any	30 - 40 cm	0.60 each	0.40 each
Poles	I	Any	45 - 60 cm	0.10 each	0.75 each
Poles	I	Any	60 - 75 cm	2.25 each	1.50 each
Poles	I	Any	75 - 90 cm	4.40 each	3.00 or 21.00 cum
Logs	I	Any	90 - 105 cm	1.70 / cft or 59.50 / cum	0.60

Logs	I	Any	105 - 120 cm	2.25 / cft or 78.75 / cum	--
Logs	I	Any	120 - 150 cm	3.00 / cft or 106.00 / cum	--
Logs	I	Any	≥150 cm	3.75 / cft or 131.25 / cum	--
Poles	II	Any	Under 30 cm	0.06 each	0.04 each
Poles	II	Any	30 - 40 cm	0.40 each	0.30 each
Poles	II	Any	45 - 60 cm	0.80 each	0.60 each
Poles	II	Any	60 - 75 cm	1.70 each	1.10 each
Poles	II	Any	75 - 90 cm	3.40 each	2.25 each
Logs	II	Any	90 - 105 cm	0.80 / cft or 28.00 / cum	0.30 / cft or 10.50 / cum
Logs	II	Any	105 - 120 cm	1.10 / cft or 38.50 / cum	0.45 / cft or 15.75 / cum
Logs	II	Any	120 - 150 cm	1.50 / cft or 52.50 / cum	0.55 / cft or 19.25 / cum
Logs	II	Any	≥150 cm	1.90 / cft or 66.50 / cum	0.70 / cft or 24.50 / cum
Poles	III	Any	Under 30 cm	0.03 each	0.02 each
Poles	III	Any	30 - 40 cm	0.20 each	0.15 each
Poles	III	Any	45 - 60 cm	0.40 each	0.35 each
Poles	III	Any	60 - 75 cm	0.80 each	0.55 each
Poles	III	Any	75 - 90 cm	1.70 each	1.10 each
Logs	III	Any	90 - 105 cm	0.40 / cft or 14.00 / cum	0.15 / cft or 5.25 / cum
Logs	III	Any	105 - 120 cm	0.60 / cft or 21.00 / cum	0.25 / cft or 6.75 / cum
Logs	III	Any	120 - 150 cm	0.75 / cft or 26.25 / cum	0.30 / cft or 10.50 / cum
Logs	III	Any	≥150 cm	0.95 / cft or 33.25 / cum	0.40 / cft or 14.00 / cum

B. Royalty Rates for Bamboos (Rs)

Description of produce	Per	Rate	
		For Ghumsur (South) Division	For Pondakhol Mutta
Salia Bamboos	100	3.00	2.00
Kanta Bamboos	100	4.00	3.00

C. Royalty Rates for Firewood (Rs)

Firewood	Cart load	1.70	0.75
Firewood	Kavidi load	0.20	0.10
Firewood	Head load	0.10	0.05

D. Royalty Rates for Other Produce (Rs)

Description of produce	Per	Rates	
		For Ghumsur (South) Division	For Pondakhol Mutta
Babuli grass	Cartload	1.90	1.90
Babuli grass	Kavidi load	0.20	0.20
Babuli grass	Head load	0.10	0.10
Thatch grass	Cart load	1.50	1.50
Thatch grass	Kavadi load	0.20	0.20
Thatch grass	Head load	0.10	0.10
Broom grass	Head load	0.05	0.05
Fibre from climber	Cart load	0.75	0.75
Fibre from climber	Kavadi load	0.20	0.20
Fibre from climber	Head load	0.10	0.10
Leaves (Thorns)	Cart load	1.50	1.50
Leaves (Thorns)	Kavadi load	0.20	0.20
Leaves (Thorns)	Head load	0.10	0.10
Honey	Kilogram	0.60	0.60
Wax	Kilogram	0.60	0.60
Shekayi	Head load	0.40	0.40
Arrow root	Cart load	30.00	30.00
Arrow root	Kavadi load	3.00	3.00
Arrow root	Head load	1.30	1.50
Kamala powder	Kilogram	0.40	0.40
Tamarind	Cart load	11.25	11.25

Tamarind	Kavadi load	1.28	1.12
Tamarind	Head load	0.60	0.60
Mahula flower	Cart load	16.90	16.90
Mahula flower	Kavadi load	1.80	1.80
Mahula flower	Head load	0.85	0.85
Mahula seeds	Kavadi load	1.80	1.80
Mahula seeds	Head load	0.85	0.85
Harida	Quintal	1.10	1.10
Karanja seeds	Cart load	16.20	16.90
Karanja seeds	Kavadi load	1.30	1.80
Karanja seeds	Head load	0.85	0.85
Myrobalan	Cart load	16.90	16.90
Myrobalan	Kavadi load	1.80	1.80
Myrobalan	Head load	0.85	0.85
Bhalia	Cart load	16.90	16.90
Bhalia	Kavadi load	1.20	1.80
Bhalia	Head load	0.85	0.85
Soap nut	Cart load	16.90	16.90
Soap nut	Kavadi load	1.80	1.80
Soap nut	Head load	0.85	0.85
Fruits of Mango, Kendu, Chara, Jamba, Kaitha and Guava (jami)	Cart load	5.40	5.40
Fruits of Mango, Kendu, Chara, Jamba, Kaitha and Guava (jami)	Kavadi load	0.60	0.60
Fruits of Mango, Kendu, Chara, Jamba, Kaitha and Guava (jami)	Head load	0.25	0.25
Bark from Balan	Quintal	1.50	0.60
Ambasoda	Head load	1.10	1.10
Oil from jungle trees	Per tin	0.60	0.60
Ambula	Cart load	11.25	11.25
Ambula	Kavadi load	1.10	1.10
Ambula	Head load	0.60	0.60
Siali leaves	Cart load	3.75	3.75
Siali leaves	Kavadi load	0.40	0.40
Siali leaves	Head load	0.20	0.20
Limestone	Quintal	0.60	0.40
Rough stone	100 cft or 2.8 cum	0.40	0.60
Gravel	100 cft or 2.8 cum	0.75	0.75
Road metal	100 cft or 2.8 cum	0.75	0.75
Buffalo grazing	Annually	0.50	0.50
Cow, Bullock, Pony grazing	Annually	0.40	0.40
Sheep grazing	Annually	0.25	0.25

APPENDIX – XII

RETAIL SELLING RATE OF ROUND TIMBER (Rate in Rs./Cum Excluding Taxes)

		Name of the species								
Girth Class	Length Class	Sal, Kasi, Panasa	Teak, Sisoo (Rose wood) Mehogany	Bija, Kendu (with black portion), Haldu/ Kurum	Gambhari, Champa	Bandhan, Bali Sisoo, Acacia, Tentra, Sirish, Kangada and Mitikinia	Asan, Jamu, Arjun, L.Mooi & Sidha	Dhaura, Neem, Kendu (without black portion)	Harida, Bahada, Mango, Mahul, Kusum, Veru, Sunari, Chankunda , Mangium and other hard wood	Eucalyptu s, Simili, Rai, Mai, Salai, Chatiana and other soft wood
1	2	3	4	5	6	7	8	9	10	11
60 to 74 cm	Below 2 mtrs	7663	15326	9196	8429	6897	4598	4831	3865	2899
	2 mtrs to under 3.75 mtrs	10206	20412	12247	11227	9185	6124	4637	5149	3862
	3.75 mtrs to under 5 mtrs	14055	28110	16866	15461	12650	8433	8852	7081	5311
	5 mtrs & above	17869	35738	21443	19656	16082	10721	11252	9001	6751
75 to 89 cm	Below 2 mtrs	9217	18434	11060	10139	8295	5530	5801	4640	3480
	2 mtrs to under 3.75 mtrs	12219	24438	14663	13441	10997	7331	7691	6153	4615
	3.75 mtrs to under 5 mtrs	16810	33620	20172	18491	15129	10086	10584	8467	6350
	5 mtrs & above	21401	42802	25681	23541	19261	12841	13477	10781	8086
90 to 119 cm	Below 2 mtrs	10729	21458	12875	11802	9656	6437	6898	5518	4138
	2 mtrs to under 3.75 mtrs	14239	28477	17086	15663	12815	8543	9154	7322	5492
	3.75 mtrs to under 5 mtrs	19604	39207	23524	21564	17643	11762	12603	10082	7562

	5 mtrs & above	24968	49935	29661	27464	22471	14981	16051	12840	9630
120 to 149 cm	Below 2 mtrs	18738	37477	22486	20612	16864	11243	12047	9637	7228
	2 mtrs to under 3.75 mtrs	24968	49935	29961	27464	22471	14981	16051	12840	9630
	3.75 mtrs to under 5 mtrs	34337	68647	41205	37771	30903	20602	22074	17659	13244
	5 mtrs & above	43681	87366	52418	48050	39313	26209	28081	22465	16849
150 to 179 cm	Below 2 mtrs	19010	38020	22812	20911	17109	11406	12221	9777	7332
	2 mtrs to under 3.75 mtrs	25314	50628	30377	27846	22783	15188	16274	13019	9764
	3.75 mtrs to under 5 mtrs	34831	69663	41798	38314	31348	20899	22392	17914	13435
	5 mtrs & above	44299	88598	53159	48729	39869	26579	28478	22783	17087
180 cm & above	Below 2 mtrs	19975	39949	23969	21972	17977	11985	12841	10273	7705
	2 mtrs to under 3.75 mtrs	26599	53199	31919	29259	23939	15960	17100	13680	10260
	3.75 mtrs to under 5 mtrs	36562	73123	43874	40218	32906	21937	23504	18803	14102
	5 mtrs & above	46524	93048	55829	51127	41872	27914	29909	23927	17945
IMPORTMENT NOTE: Chandan, Khaira & Red Sandres will not be sold at this retail selling rate. Their sale will be decided by the Head Office.										

RETAIL SELLING RATE OF SWAN TIMBER (Rate in Rs./Cum Excluding Taxes)

Item	Girth Class	Length Class	Name of the species								
			Sal, Kasi, Panasa	Teak, Sisoo (Rose wood) Mehoga ny	Bija, Kendu (with black portion), Haldu/ Kurum	Gambhar , Champa	Bandhan, Bali Sisoo, Acacia, Tentra, Sirish, Kangada and Mitikinia	Asan, Jamu, Arjun, L.Mooi & Sidha	Dhaura, Neem, Kendu (without black portion)	Harida, Bahada, Mango, Mahul, Kusum, Veru, Sunari, Chakunda, Mangium and other hard wood	Eucalyptus, Simili, Rai, Mai, Salai, Chatiana and other soft wood
1	2	3	4	5	6	7	8	9	10	11	12
Reapers	5cm x 1.3cm	Below 1 mtr	5082	9961	6098	5590	4483	3049	3202	2561	1922
	5cm x 1.3cm	1 mtr to under 1.5 mtrs	6353	12452	7624	6988	5604	3812	4002	3202	2401
	2.5cm x 2.5cm	1.5 mtrs to under 2.5 mtrs	8952	17546	10742	9847	7896	5371	5640	4512	3384
	2.5cm x 3.8cm	2.5 mtrs to under 5 mtrs	9240	18110	11088	10164	8149	5544	5121	4657	3493
	2.5cm x 1.3cm	5 mtrs & above	9345	18690	11214	10280	8411	5607	6008	4806	3605
Battens	5cm x 5cm	Below 1 mtr	6353	12452	7624	6988	5604	3812	4002	3202	2401
	5cm x 3.75cm	1 mtr to under 1.5 mtrs	11550	22638	13860	12705	10187	6930	7277	5821	4366
	7.5cm x 2.5cm	1.5 mtrs to under 2.5 mtrs	12705	24902	15246	13976	11206	7623	8005	6404	4802
	7.5cm x 3.5cm	2.5 mtrs to under 5 mtrs	14438	28298	17326	15882	12734	8663	9096	7277	5458
		5 mtrs & above	16079	32158	19295	17687	14471	9647	10337	8269	6202
Scantling	8cm x 8cm	Below 1 mtr	10402	20804	12482	11442	9362	6241	6687	5350	4012
	8cm x 6cm	1 mtr to under 1.5 mtrs	16390	32780	19668	18029	14751	9834	10536	8429	6322
	6cm x 6cm	1.5 mtrs to under 2.5 mtrs	19543	39085	23451	21497	17588	11726	12563	10050	7538

	6cm x 5cm	2.5 mtrs to under 5 mtrs	22379	44758	26855	24617	20141	13427	14387	1159	8632
		5 mtrs & above	25624	51247	30748	28186	23062	15374	16473	13178	9884
Scantling	10cm x 5cm	Below 1 mtr	11710	23421	14052	12881	10539	7026	7529	6023	4517
	10cm x 6cm	1 mtr to under 1.5 mtrs	21521	43042	25825	23673	19369	12912	13835	11068	8301
	10cm x 8cm	1.5 mtrs to under 2.5 mtrs	24688	49375	29625	27156	22219	14813	15871	12696	9522
	10cm x 10cm	2.5 mtrs to under 5 mtrs	24833	54438	29800	27316	24497	14900	17498	13999	10499
		5 mtrs & above	30510	61019	36611	33560	27459	18306	19614	15691	11768
Scantling	13cm x 8cm	Below 1 mtr	13620	27240	16344	14982	12258	8172	8756	7005	5253
	13cm x 6cm	1 mtr to under 1.5 mtrs	23439	46878	28127	25783	21095	14063	15068	12055	9041
	13cm x 5cm	1.5 mtrs to under 2.5 mtrs	26606	53213	31928	29267	23946	15964	17105	13684	10263
		2.5 mtrs to under 5 mtrs	29773	59546	35728	32750	26796	17864	19140	15312	11484
		5 mtrs & above	32904	65807	39484	36194	29614	19742	21153	16922	12692
Beam	Up to 200sq.cm.	Below 1 mtr	13948	27895	16737	15342	12553	8369	8967	7173	5380
		1 mtr to under 1.5 mtrs	24861	49722	29833	27347	22375	14917	15982	12785	9590
		1.5 mtrs to under 2.5 mtrs	26681	53361	32017	29349	24013	16008	17152	13721	10292
		2.5 mtrs to under 5 mtrs	30901	61802	37081	33951	27811	15840	19865	15892	11919
		5 mtrs & above	33373	66745	40047	36710	30036	20024	21454	17163	12873
Beam	200 sq.cm. to -	Below 1 mtr	18192	36383	21830	20011	16372	10915	11695	9356	7016
	under 330 sq.cm.	1 mtr to under 1.5 mtrs	27287	54575	32745	30017	26195	16372	17542	14034	10526
		1.5 mtrs to under 2.5 mtrs	29106	58212	34927	32017	26195	17464	18711	14969	11227
		2.5 mtrs to under 5 mtrs	33957	67914	40748	37353	30561	20374	21830	17464	13098
		5 mtrs & above	35176	70351	42211	38693	31658	21105	22630	18090	13568
Beam	330 sq.cm. & up	Below 1 mtr	21124	42248	25349	23236	19011	12674	13580	10864	8148
		1 mtr to under 1.5 mtrs	29822	59644	35787	32804	26840	17893	19172	15337	11503

	1.5 mtrs to under 2.5 mtrs	34173	68345	41007	37590	30755	20504	21968	17574	13181
	2.5 mtrs to under 5 mtrs	37278	74556	44733	41006	33550	22367	23964	19172	14378
	5 mtrs & above	41349	82698	49619	45484	37214	24809	26582	21265	15949
IMPORTMENT NOTE: Chandan, Khaira & Red Sandres will not be sold at this retail selling rate. Their sale will be decided by the Head Office.										

RETAIL SELLING RATE OF PLANKS (Rate in Rs./Cum Excluding Taxes)

			Name of the species								
Girth Class	Thickness	Length Class	Sal, Kasi, Panasa	Teak, Sisoo (Rose wood) Mehogany	Bija, Kendu (with black portion), Haldu/ Kurum	Gambh- ar, Champa	Bandhan, Bali Sisoo, Acacia, Tentra, Sirish, Kangada and Mitikinia	Asan, Jamu, Arjun, L.Mooi & Sidha	Dhaura, Neem, Kendu (without black portion)	Harida, Bahada, Mango, Mahul, Kusum, Veru, Sunari, Chanknd, Mangium and other hard wood	Eucalypt us, Simili, Rai, Mai, Salai, Chatian a and other soft wood
1	2	3	4	5	6	7	8	9	10	11	12
Up to 15 cm	Up to 2.5 cm	Below 1.85 mtr	18983	37967	22780	20882	17085	11390	12204	9763	7322
Up to 17.5 cm			21093	42186	25312	23202	18984	12656	13560	10848	8136
Up to 20 cm			23437	46873	28124	25780	21093	14062	15066	12053	9040
Up to 22.5 cm			26041	52081	31249	28645	23437	15624	16740	13392	10044
Up to 25 cm			28934	57868	34721	31827	26040	17360	18600	14880	11160
25 cm & above			32149	64298	38579	35364	28934	19289	20667	16534	12400

Up to 15 cm	More than 2.5 cm	Below 3.85 mtr	21093	42186	25312	23202	18984	12656	13560	10848	8136
Up to 17.5 cm			23437	46873	28124	25780	21093	14062	15066	12053	9040
Up to 20 cm			26041	52081	31249	28645	23437	15624	16740	13392	10044
Up to 22.5 cm			28934	57868	34721	31827	26040	1736	18600	14880	11160
Up to 25 cm			32149	64298	38579	35364	28934	19289	20667	16534	12400
25 cm & above			35721	71440	42865	39293	32149	21433	22964	18371	13778
Up to 15 cm	Up to 2.5 cm	1.85 to under 3 mtr	21093	42186	25312	2322	18984	12656	13560	10848	8136
Up to 17.5 cm			23437	46873	28124	25780	21093	14062	15066	12053	9040
Up to 20 cm			26041	52081	31249	28645	23437	15624	16740	13392	10044
Up to 22.5 cm			28934	57868	34721	31827	26040	17360	18600	14880	11160
Up to 25 cm			32149	64298	38579	35364	28934	19289	20667	16534	12400
25 cm & above			35721	71442	42865	39293	32149	21433	22964	18371	13778
Up to 15 cm	More than 2.5 cm	1.85 to under 3 mtr	23437	46873	28124	2578	21093	14062	15066	12053	9060
Up to 17.5 cm			26041	52081	31249	28645	23437	15624	16740	13392	10044
Up to 20 cm			28934	57868	34721	31824	26040	17360	18600	14880	11160
Up to 22.5 cm			32149	64298	38579	35364	28934	19289	20667	16534	12400
Up to 25 cm			3521	71442	42865	39293	32149	21433	22964	18371	13778
25 cm & above			39690	79380	47628	43659	35721	23814	25515	20412	15309
Up to 15 cm	Up to 2.5 cm	3 mtr & above	23437	46873	28124	25780	21093	14092	15066	12053	9040
Up to 17.5 cm			26041	52081	31219	28645	23437	15624	16740	13392	10044
Up to 20 cm			28934	7868	34721	31827	26040	17360	18600	14880	11160

Up to 22.5 cm			32149	64298	38579	35364	28934	19289	20667	6534	12400
Up to 25 cm			35721	71442	42865	39293	32149	21433	22964	18371	13778
25 cm & above			39690	79380	47628	43659	35721	23814	25515	20412	15309
Up to 15 cm	More than 2.5 cm	3 mtr & above	26041	52081	31249	28645	23437	15624	16740	13392	10044
Up to 17.5 cm			28934	57868	34721	31827	26040	17360	18600	14880	11160
Up to 20 cm			32149	64298	38579	35364	28934	19289	20667	16534	12400
Up to 22.5 cm			35721	71442	42865	39293	32149	21433	22964	18371	13778
Up to 25 cm			39690	79380	47628	43659	35721	23814	25515	20412	15309
25 cm & above			44100	88200	52920	48810	39690	26460	28350	22680	17061
IMPORTMENT NOTE:		Chandan, Khaira & Red Sandres will not be sold at this retail selling rate. Their sale will be decided by the Head Office.									

RETAIL SELLING RATE OF POLES (Rate in Rs./Cum Excluding Taxes)

Girth Class	Length Class	Sal	Teak & Sisoo	Other Species
[01]	[02]	[03]	[04]	[05]
Up to 30 cm	Below 2.75 mtr	73	73	51
30 cm to under 40 cm		91	91	64
40 cm to under 45 cm		109	109	76
45 cm to under 50 cm		196	Not to be sold as "Pole"	137
50 cm to under 60 cm		216	Not to be sold as "Pole"	151
Up to 30 cm	2.75 to under 4 mtr	97	97	68
30 cm to under 40 cm		169	169	118
40 cm to under 45 cm		183	183	128
45 cm to under 50 cm		261	Not to be sold as "Pole"	183
50 cm to under 60 cm		288	Not to be sold as "Pole"	202
Up to 30 cm	4 mtr & up	182	182	127
30 cm to under 40 cm		222	222	155
40 cm to under 45 cm		261	261	183
45 cm to under 50 cm		340	Not to be sold as "Pole"	238
50 cm to under 60 cm		360	Not to be sold as "Pole"	252

IMPORTANT NOTE:

- (1) Teak and Sisoo of 45cm & above midgirth will be sold as timber.
- (2) Excepting (1) as above, Retail rate of Teak, Sisoo and Sal poles will be equal for all other classifications.
- (3) Poles of other species will be 30% less than the rate of Sal Poles.
- (4) Chandan, Khair and Red sanders will not be sold at this retail selling rate. Their sale will be decided by the Head Office.

APPENDIX – XIII

ASSETS CREATED DURING 2000-2013

(a) Building

Sl.	Year	Name of Scheme	Name of Building	Sl.	Year	Name of Scheme	Name of Building
1	2001-02	-	-	18	-do-	-do-	FG. Qtr. Kasipada
2	2002-03	-	-	19	-do-	-do-	FG. Qtr. Gazalbadi
3	2003-04	-	-	20	-do-	-do-	FG. Qtr. Manitarā
4	2004-05	-	-	21	-do-	-do-	FG. Qtr. Bhagabanpur
5	2005-06	-	-	22	-do-	-do-	FG. Qtr. Khariguda
6	2006-07	4406 COL F&WL	FG Qtr. Cheramaria	23	-do-	-do-	FG. Qtr. Nuakhilabadi
7	2007-08	IFM - CS – Plan	Watch Tower Borda	24	-do-	-do-	Fr. Qtr. Bhagabanpur.
8	2008-09	4406 COL F&WL	FG Qtr. Polasara	25	-do-	-do-	Constn of Range Office, Buguda
9	-do-	4406 COL F&WL	FG Qtr. Aska	26	-do-	-do-	Constn of Range Office, Surada
10	2009-10	4406 COL F&WL	FG Qtr. Biranchipur	27	-do-	-do-	Boundary wall, Buguda Range Office
11	2010-11	4406 COL F&WL	FG Qtr. Kodala	28	-do-	-do-	Common Toilet Buguda Range Office
12	-do-	CSP-IFM	Barrack at Ratanei & Cheramaria	29	-do-	-do-	Portico at Range Office, Buguda
13	-do-	CAMPA	FG. Qtr. Panchubhuti	30	-do-	-do-	Boundary wall, Surada Range Office
14	-do-	-do-	Constn. Of Range Office, Polasara	31	-do-	-do-	Checking Station Gate house, Surada
15	2011-12	4406 COL F&WL	FG. Qtr. Borda	32	-do-	-do-	Checking Station Rest house, Nuakhilabadi
16	-do-	CAMPA	FG. Qtr. Athagada	33	-do-	-do-	Common Toilet, Nuakhilabadi
17	-do-	-do-	FG. Qtr. Jokabandha				

(b) Plantation

Name of the Division	Name of the District	Year-wise (2001-02 TO 2013-14)	Name of the Scheme	Area covered under (in Ha.)				Avenue Plnt. (In Rkm)
				AR (in Ha)	ANR with gap plant (in Ha)	ANR without gap plant (in Ha)	Total (in Ha)	
1	2	3	4	5	6	7	8	9
Ghumsur South	Ganjam	2001-2002	NTFP	300	0	0	300	
			CSB-IAEP	330	0	0	330	
			TOTAL	630	0	0	630	
		2002-2003	CSB	100	0	0	100	
			DRDA Fund	0	0	0	0	0
			TOTAL	100	0	0	100	
		2003-2004	B-Economic	200	0	0	200	
			SGRY	100	0	0	100	
			FDA (NAP)	140	700	0	840	
			Compensatory Affn.	236.448	0	0	236.448	
			TOTAL	676.448	700	0	1376.448	
		2004-2005	RSY	70	0	0	70	
			Compensatory Affn.	89.236	0	0	89.236	
			FDA (NAP)	140	700	0	840	
			TOTAL	299.236	700	0	999.236	
		2005-2006	NFFWP	200	0	0	200	
			TOTAL	200	0	0	200	
		2006-2007	B. Economic Plntn	70	150	0	220	
			12th FC Grant	0	125	0	125	
			TOTAL	70	275	0	345	
		2007-2008	B. Economic Plntn	120	200	0	320	
			12th FC Grant (Block)	270	2000	0	2270	
			12th FC Grant (Bamboo)	300			300	
			TOTAL	690	2200	0	2890	
		2008-2009	B. Economic Plntn	120	200	0	320	
			NBM	90	0	0	90	
			FDA (NAP)	190	2000	0	2190	
			TOTAL	400	2200	0	2600	
		2009-2010	B. Economic Plntn	200	100	100	400	
			OBDP (S.P)	15	0		15	
			CAMPA	0	0	745	745	
			NREGS	0	0	450	450	
			TOTAL	215	100	1295	1610	
		2010-2011	B. Economic Plntn	100	0	0	100	
			OBDP (S.P)	25			25	
			CAMPA	813.46	0	1882.9	2696.36	
			MGNREGS	0	0	0	0	22
			Comp. Affn (CAMPA)	2.4	0	0	2.4	
			NBM	40	0	0	40	
			TOTAL	980.86	0	1882.9	2863.76	22
		2011-2012	B. Economic Plntn	100	0	0	100	
			ACA	0	0	300	300	
			OBDP (S.P)	30	0	0	30	
			13th FC Grant	240	500	0	740	
			NBM	30	0	0	30	
			MGNREGS	0	0	0	0	194

Name of the Division	Name of the District	Year-wise (2001-02 TO 2013-14)	Name of the Scheme	Area covered under (in Ha.)				Avenue Plnt. (In Rkm)
				AR (in Ha)	ANR with gap plant (in Ha)	ANR without gap plant (in Ha)	Total (in Ha)	
1	2	3	4	5	6	7	8	9
			CAMPA	0	0	3054.99	3054.99	
			TOTAL	400	500	3354.99	4254.99	194
		2012-2013	B. Economic Plntn	100	0	0	100	
			OBDP (S.P)	30			30	
			13th FC Grant outside working plan	40	0	0	40	
			TOF seedlings Distribution	0	0	0	0	
			State Plan (Avenue New Scheme)	0	0	0	0	15
			NBM	40	0	0	40	
			MGNREGS		130		130	292
			CAMPA			1332.44	0	
			TOTAL	210	130	1332.44	340	307
		2013-2014 up to Oct. 2013	B. Economic Plntn.	100	0	0	100	
			OBDP (S.P)	30	0	0	30	
			13th FC Grant outside working plan	40	0	0	40	
			TOF seedlings Distribution	0	0	0	0	
			NBM	40	0	0	40	
			State Plan (Avenue New Scheme)	0	0	0	0	30
			Urban Plant.	0	0	0	0	
			MGNREGS	0	815	0	815	86
			NAP	150	40	0	190	
			TOTAL	360	855		1215	116

(c) Road New Forest Road not created during 2001 to 2013 of this Division. Only maintenance work of the existing forest roads have been taken up.

(d) Soil and Moisture Conservation measures

Sl. No.	Year	Name of Scheme	Area (in Ha.)
1	2001-02 to 2005-06	--	--
2	2006-07	12th FCG	125.0
3	2007-08	12th FCG	2000.0
4	2008-09	--	--
5	2009-10	CAMPA	1553.2
6	2010-11	CAMPA	1891.57
7	2011-12	CAMPA	2095.06

(e) Infrastructural facilities created like GIS, Computerization, User of internet, use of mobile/ binoculars.

1.	GPS	20 Nos
2.	Computer sets installed	15 Nos
3.	User of internet	02 Nos
4.	Use of Mobile	58 Nos
5.	Binoculars	05 Nos

(f) Development of Eco- tourism

One Eco-tourism site is under developing stage of Chermaria of Aska Range which is 10 kms away from Aska & 30 Km away from Berhampur which is at the foot hill of Pakidi DPF.

(g) Development of IGA (Income Generating Activities) for the VSS.

Sl.	Name of Village	Assets Created / income generated activities
SURADA RANGE		
1	Sampada	Culvert, Utensils (Handa), 3 Renovated old tank
2	Bandhagocha	Light, Sound & generator Section
3	Banjar	Construction of Community hall & Mandap
4	Saranauti	Construction of Community hall & Mandap
5	Ghingsibadi	Construction of Community hall & Mandap
6	Bagilingi	Construction of Community hall & Mandap
7	Maniakathi	Construction of Community hall & Mandap
BADAGADA RANGE		
8	Sarabadi	Construction of Community hall/Planting of grafted mango/lemon
9	Lengama	Utensil,planting of grafted mango/lemon
10	Jagannathpur	
11	Gunduribadi	Water supply to village, road repair, Dari ,tarplin,Planting of grafted mango/lemon
12	Kadagada	
13	Khajuridiha	Community hall,planting of grafted mango/lemon
14	Gojiakhaman	Community hall,planting of grafted mango/lemon
15	K.Kalakhadi	Utensil,planting of grafted mango/lemon
16	Dumula	Construction of community hall,planting of grafted mango/lemon
ASKA RANGE		
17	Bhetnai	Community hall,planting of grafted mango/lemon
18	Digi	Temple Mandap,,Planting of grafted mango/lemon
19	Sunamohi	Temple Mandap,,Planting of grafted mango/lemon

Sl.	Name of Village	Assets Created / income generated activities
20	Badapur	Light & Sound System, Utensil,,Planting of grafted mango/lemon
21	Karadakana	Light & Sound System, Utensil,,Planting of grafted mango/lemon
22	Kalasuta	Kitchen Room of Temple,,Planting of grafted mango/lemon
23	Hanumandwar	Planting of grafted mango/lemon
24	Khadabhaga	Kitchen Room of Temple,,Planting of grafted mango/lemon
25	Kandha Bharatapalli	
BUGUDA RANGE		
26	Kumunda	Dari,signboard , Bandraj chick, Back yard plantation,planting of grafted mango/lemon
27	Chanchadapalli	Chandua, Pani Panchayat,Dari, Furniture,Toilet, Back yard plantation & signboard,planting of grafted mango/lemon
28	Samalai	Utensils,Construction of new pond,back yard plantation,planting of grafted mango/lemon
29	Kadapada	Streching Mechin, Back yard plantation, Bandraj chicks, Pani panchayat.planting of grafted mango/lemon
30	Jhollary	Utensils,planting of grafted mango/lemon
31	Mahulapalli	Construction of Bath room & bali bandha,planting of grafted mango/lemon
32	Kondarai	Utensils ,Back yard plantation,Comunnity hall,planting of grafted mango/lemon
33	Nuapalli	Dari,Tarplin,chandua,plastic chair, iron trunk,planting of grafted mango/lemon
34	Makarapalli	FDA day, Dari,Bathning staps, Backyard plantation, Streaching machine,planting of grafted mango/lemon
35	Kansarala	Dari,planting of grafted mango/lemon
36	Dhodapalli	Dari,Shain board,Bandraj chick,Back yard plantation, Pani panchayat,planting of grafted mango/lemon
POLOSARA RANGE		
37	Patalasingi	Tent house meterial,planting of grafted mango/lemon
38	Patiamma	Tent house meterial,planting of grafted mango/lemon
39	M.Nuapalli	Tent house meterial,planting of grafted mango/lemon
40	Julunda	Tent house meterial,planting of grafted mango/lemon
41	Bilajihari	Conference hall,planting of grafted mango/lemon
42	Nimina	Pond,community hall repair.
43	Dhoumala	Meeting hall,planting of grafted mango/lemon
44	Banthapalli	Meeting hall,planting of grafted mango/lemon

APPENDIX – XIV

Tree (per ha.) by Species & Girth Class Wise in enumerated compartments (297)

SAL

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Pondakhhol	RF	1	526.00	13.16	5.51	2.81	1.48	0.76	0.84	128.92
SORADA	Pondakhhol	RF	2	332.90	11.47	6.31	2.28	0.96	0.78	0.36	96.89
SORADA	Pondakhhol	RF	3	441.33	2.22	0.68	0.91	0.59	0.23	0.41	15.84
SORADA	Pondakhhol	RF	4	229.51	7.93	6.36	2.96	0.70	0.26	0.26	48.28
SORADA	Pondakhhol	RF	5[a]	383.66	8.55	5.68	3.02	2.29	0.42	0.05	57.21
SORADA	Pondakhhol	RF	6	313.42	22.27	27.31	19.97	13.59	3.32	2.11	1531.69
SORADA	Pondakhhol	RF	7	378.14	8.62	5.71	3.07	1.69	0.42	0.05	55.84
SORADA	Pondakhhol	RF	8	344.37	21.84	14.29	3.66	3.60	1.45	0.35	516.14
SORADA	Pondakhhol	RF	9	419.68	13.11	5.48	5.43	3.43	2.81	1.81	166.29
SORADA	Pondakhhol	RF	10	240.38	42.77	25.63	16.14	5.57	2.25	0.83	2378.82
SORADA	Pondakhhol	RF	11	487.22	32.88	16.05	8.74	4.10	1.07	0.41	1159.10
SORADA	Pondakhhol	RF	12	334.67	26.89	16.02	6.16	3.71	1.49	0.36	796.89
SORADA	Pondakhhol	RF	13	567.05	34.14	21.48	10.02	6.21	2.08	0.25	1451.59
SORADA	Pondakhhol	RF	14	618.00	18.67	10.23	5.50	2.56	1.04	0.26	339.12
SORADA	Pondakhhol	RF	15	397.54	17.96	9.26	3.57	0.70	0.40	0.20	281.92
SORADA	Pondakhhol	RF	16	596.30	10.80	6.10	2.68	1.04	0.47	0.13	84.87
SORADA	Pondakhhol	RF	17	340.33	1.70	1.41	0.24	0.06	0.00	0.00	12.39
SORADA	Pondakhhol	RF	18	569.36	26.56	14.44	6.43	4.18	2.21	0.49	754.22
SORADA	Pondakhhol	RF	19	282.80	5.45	2.62	2.90	0.28	0.00	0.14	19.65
SORADA	Pondakhhol	RF	20	465.08	1.16	1.25	3.01	0.95	0.60	0.00	21.09
SORADA	Pondakhhol	RF	21	294.44	24.39	13.52	6.79	4.08	0.82	0.27	633.03
SORADA	Pondakhhol	RF	22	321.75	22.87	15.54	7.83	5.16	0.75	0.37	638.42
SORADA	Pondakhhol	RF	23	520.35	11.61	6.00	3.38	2.27	0.19	0.00	104.83
SORADA	Pondakhhol	RF	24	175.17	19.52	4.57	0.34	0.00	0.00	0.00	290.87
SORADA	Pondakhhol	RF	25	288.94	9.28	5.19	2.98	0.00	0.00	0.00	57.69

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Pondakhol	RF	26	149.20	35.39	8.98	0.67	0.27	0.00	0.00	1104.99
SORADA	Pondakhol	RF	27[a]	449.26	28.40	16.25	9.17	8.06	5.92	2.14	1012.45
SORADA	Pondakhol	RF	28	419.35	26.66	8.44	1.76	0.38	0.10	0.00	606.09
SORADA	Pondakhol	RF	29[a]	578.64	23.99	11.61	4.77	2.04	0.28	0.00	546.52
SORADA	Pondakhol	RF	30	563.18	19.11	8.38	1.85	0.71	0.32	0.11	301.94
SORADA	Pondakhol	RF	31	475.59	15.27	5.64	2.10	0.84	0.34	0.13	172.15
SORADA	Pondakhol	RF	32	478.34	14.38	11.04	3.22	0.33	0.13	0.00	206.50
SORADA	Pondakhol	RF	33	346.47	0.23	0.12	0.00	0.00	0.00	0.00	23.46
SORADA	Pondakhol	RF	34	567.05	5.57	1.66	0.60	0.00	0.00	0.00	18.38
SORADA	Pondakhol	RF	35	456.52	9.42	5.13	2.76	0.39	0.18	0.18	58.86
SORADA	Pondakhol	RF	36[a]	286.58	11.45	4.33	4.19	1.54	0.70	0.14	99.33
SORADA	Dhaugam	RF	1[a]	250.90	16.90	8.85	3.67	1.36	0.80	0.48	249.46
SORADA	Dhaugam	RF	2[a]	375.20	16.42	5.97	1.12	0.53	0.16	0.11	201.55
SORADA	Pondakhol	RF	5[b]	100.82	52.57	31.74	26.78	11.90	3.97	0.00	4132.61
SORADA	Pondakhol	RF	27[b]	245.62	61.88	14.66	6.92	4.48	0.81	0.00	3693.26
SORADA	Pondakhol	RF	29[b]	198.50	56.93	38.79	9.57	0.00	0.00	0.00	4271.37
SORADA	Pondakhol	RF	36[b]	301.19	22.58	19.59	8.63	3.98	1.99	0.00	746.35
SORADA	Dhaugam	RF	1[b]	203.06	85.69	43.83	15.76	3.94	3.94	0.00	8782.30
SORADA	Dhaugam	RF	2[b]	203.04	18.72	11.33	6.90	4.43	0.99	2.96	387.79
SORADA	Pipalpanka	RF	1	441.76	32.60	12.90	2.94	1.36	0.68	0.00	996.90
SORADA	Pipalpanka	RF	2	553.13	19.71	9.58	4.16	2.17	0.54	0.36	350.74
SORADA	Pipalpanka	RF	3	606.03	34.16	15.35	2.97	0.50	0.50	0.00	1142.52
SORADA	Pipalpanka	RF	4	558.20	15.59	6.09	2.33	0.72	0.00	0.00	182.43
SORADA	Pipalpanka	RF	5	600.22	31.16	17.33	12.00	2.83	0.00	0.00	1142.01

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Pipalpanka	RF	6	637.06	21.66	6.59	6.12	3.45	3.61	0.00	434.43
SORADA	Mundapita	RF	1	627.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	2	553.98	0.00	9.39	0.90	0.00	0.00	0.00	39.53
SORADA	Mundapita	RF	3	610.52	0.00	5.24	0.98	0.00	0.00	0.00	7.50
SORADA	Mundapita	RF	4	476.29	0.00	3.36	0.63	0.00	0.00	0.00	4.30
SORADA	Hukuma	RF	1	692.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Hukuma	RF	2	531.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Hukuma	RF	3	522.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Bondhagocha	RF	1	613.64	0.00	11.24	5.21	0.49	0.33	0.00	85.01
SORADA	Bondhagocha	RF	2	693.69	0.00	4.61	3.89	1.73	0.58	0.00	19.36
SORADA	Dhepaguda	RF	1	334.78	0.00	24.79	12.55	6.27	6.57	5.38	695.78
SORADA	Dhepaguda	RF	2	493.00	0.00	14.00	6.49	0.61	0.41	0.00	148.68
SORADA	Dabuki	RF	1	506.32	0.00	0.79	0.00	0.00	0.00	0.00	10.52
SORADA	Pankalagam	RF	1	265.59	0.00	12.80	4.89	1.51	0.00	0.00	110.98
BUGUDA	Budurung	RF	1	316.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Chamunda	RF	1	265.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kadapada	RF	1	677.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kumarsuni Vishnucha	RF	1	1081.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Binodia	RF	1	209.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Tangarai	RF	1	817.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Nagiri	RF	1	449.55	0.00	3.11	0.00	0.00	0.00	0.00	3.56
BUGUDA	Solundi	RF	1	362.75	0.00	2.48	0.00	0.00	0.00	0.00	4.38

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BUGUDA	Jhollery	RF	1	914.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Sandasulia	RF	1	848.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Panchabhuti-C	RF	1	198.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-B	RF	1	354.66	0.00	14.38	32.14	15.51	5.08	1.13	1383.70
BUGUDA	Kurchuli-A	RF	1	390.76	0.00	5.12	3.58	3.33	1.79	0.26	32.29
BUGUDA	Kurchuli-A	RF	2	646.22	0.00	4.64	15.47	6.50	1.70	0.46	270.08
BUGUDA	Kurchuli-A	RF	3	533.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	4	662.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	1	432.88	0.00	32.11	2.54	0.69	0.23	0.23	829.70
BUGUDA	Kriamba-Jadupadi	RF	2	639.53	0.00	2.81	0.00	0.00	0.00	0.00	3.85
BUGUDA	Kriamba-Jadupadi	RF	3	555.56	0.00	9.72	1.26	0.00	0.00	0.00	43.79
BUGUDA	Kriamba-Jadupadi	RF	4	959.71	0.00	15.94	0.94	0.21	0.00	0.00	160.35
BUGUDA	Kriamba-Jadupadi	RF	5	714.56	0.00	19.45	1.54	0.42	0.14	0.14	261.23
BUGUDA	Kriamba-Jadupadi	RF	6	756.83	0.00	6.47	0.26	0.00	0.00	0.00	13.72
BUGUDA	Kriamba-Jadupadi	RF	7	858.22	0.00	2.68	0.00	0.00	0.00	0.00	4.04
BUGUDA	Kriamba-Jadupadi	RF	8	498.73	0.00	16.04	0.40	0.00	0.00	0.00	162.99
BUGUDA	Kriamba-Jadupadi	RF	9	465.24	0.00	14.83	0.00	0.00	0.00	0.00	133.01
BUGUDA	Kriamba-Jadupadi	RF	10	733.69	0.00	0.27	0.00	0.00	0.00	0.00	13.53
BUGUDA	Kriamba-Jadupadi	RF	11	786.82	0.00	0.51	0.00	0.00	0.00	0.00	12.09
BUGUDA	Kriamba-Jadupadi	RF	12	443.23	0.00	16.47	0.45	0.00	0.23	0.00	174.09
BUGUDA	Kriamba-Jadupadi	RF	13	876.22	0.00	3.08	0.00	0.00	0.00	0.00	3.58
BUGUDA	Panchabhuti-A	RF	1	609.28	0.00	0.82	0.00	0.00	0.00	0.00	10.35
BUGUDA	Panchabhuti-A	RF	2	282.83	0.00	1.77	0.00	0.00	0.00	0.00	6.27
BUGUDA	Panchabhuti-A	RF	3	529.89	0.00	1.89	3.96	3.02	0.38	0.00	26.91
BUGUDA	Panchabhuti-A	RF	4	368.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Malijhar-I	DPF	1	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Kansa	DPF	1	181.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badadanda	DPF	1	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chapudia	DPF	1	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Rasibadi	DPF	1	370.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Bhumi dimiripalli	PRF	1	15.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badua	PRF	1	80.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	1	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	2	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	3	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	4	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	5	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	6	215.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	2	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	3	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	1	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	2	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	3	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	4	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	5	220.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	6	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	7	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	8	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Pakadi	DPF	9	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	10	110.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gadagada	DPF	1	190.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gadagada	DPF	2	155.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gadagada	DPF	3	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	1	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	2	115.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	3	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	4	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	5	70.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	6	230.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Machakhai	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Machakhai	DPF	2	165.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Hatimunda	DPF	1	175.00	0.00	2.29	0.00	0.00	0.00	0.00	4.80
ASKA	Hatimunda	DPF	2	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Hatimunda	DPF	3	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	1	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	2	195.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	3	235.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	4	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gouduni	PRF	1	142.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gouduni	PRF	2	157.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	1	340.00	0.00	6.47	1.47	0.00	0.00	0.00	13.83
ASKA	Badagada-C	UDPF	2	305.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	3	165.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	4	315.00	0.00	0.63	0.32	0.00	0.00	0.00	12.42
ASKA	Badagada-C	UDPF	5	310.00	0.00	3.87	0.65	0.00	0.00	0.00	4.47
ASKA	Badagada-C	UDPF	6	275.00	0.00	2.91	1.09	0.00	0.00	0.00	4.63
ASKA	Badagada-C	UDPF	7	700.00	0.00	1.14	0.14	0.00	0.00	0.00	10.02
ASKA	Badagada-C	UDPF	8	325.00	0.00	0.62	0.31	0.00	0.00	0.00	12.54
ASKA	Badagada-C	UDPF	9	455.00	0.00	1.54	0.22	0.00	0.00	0.00	8.26
ASKA	Badagada-C	UDPF	10	485.00	0.00	7.63	0.41	0.00	0.00	0.00	21.90
ASKA	Badagada-C	UDPF	11	440.00	0.00	9.77	0.68	0.00	0.00	0.00	44.27
ASKA	Badagada-C	UDPF	12	460.00	0.00	1.52	0.00	0.00	0.00	0.00	7.16
ASKA	Badagada-C	UDPF	13	575.00	0.00	4.52	0.52	0.00	0.00	0.00	5.50
ASKA	Badagada-C	UDPF	14	340.00	0.00	5.59	1.47	0.00	0.00	0.00	9.27
ASKA	Badagada-C	UDPF	15	320.00	0.00	2.50	0.31	0.00	0.00	0.00	5.41
ASKA	Badagada-C	UDPF	16	385.00	0.00	1.82	0.78	0.00	0.00	0.00	6.92
ASKA	Badagada-C	UDPF	17	390.00	0.00	0.77	0.26	0.00	0.00	0.00	11.75
ASKA	Badagada-C	UDPF	18	395.00	0.00	1.27	0.51	0.00	0.00	0.00	9.12
ASKA	Badagada-C	UDPF	19	465.00	0.00	1.94	0.43	0.00	0.00	0.00	6.69
ASKA	Badagada-C	UDPF	20	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	21	390.00	0.00	8.21	1.54	0.00	0.00	0.00	27.41
ASKA	Badagada-C	UDPF	22	700.00	0.00	7.43	0.71	0.00	0.00	0.00	20.11
ASKA	Badagada-C	UDPF	23	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	24	150.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	25	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	26	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	27	355.00	0.00	1.97	0.28	0.00	0.00	0.00	6.72

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	28	200.00	0.00	8.00	1.50	0.00	0.00	0.00	25.45
ASKA	Badagada-C	UDPF	29	210.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	30	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Kantakhhol	DPF	1	270.00	0.00	4.44	0.00	0.00	0.00	0.00	4.44
ASKA	Kantakhhol	DPF	2	120.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	1	185.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	2	415.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	3	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	4	375.00	0.00	0.53	0.00	0.00	0.00	0.00	11.95
POLOSARA	Pandaripada	DPF	5	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	6	800.00	0.00	0.50	0.00	0.00	0.00	0.00	12.14
POLOSARA	Pandaripada	DPF	7	440.00	0.00	16.59	0.45	0.00	0.23	0.00	177.26
POLOSARA	Pandaripada	DPF	8	260.00	0.00	16.54	2.69	0.77	0.00	0.00	179.83
POLOSARA	Pandaripada	DPF	9	345.00	0.00	15.65	2.03	0.00	0.00	0.00	154.67
POLOSARA	Pandaripada	DPF	10	305.00	0.00	36.07	0.66	0.00	0.00	0.00	1068.16
POLOSARA	Pandaripada	DPF	11	510.00	0.00	3.53	0.00	0.00	0.00	0.00	3.46
POLOSARA	Pandaripada	DPF	12	495.00	0.00	28.08	2.22	0.61	0.20	0.20	613.72
POLOSARA	Pandaripada	DPF	13	170.00	0.00	28.82	1.18	0.00	0.00	0.00	648.29
POLOSARA	Pandaripada	DPF	14	375.00	0.00	5.33	0.00	0.00	0.00	0.00	7.00
POLOSARA	Pandaripada	DPF	15	410.00	0.00	11.95	0.00	0.00	0.00	0.00	75.74
POLOSARA	Pandaripada	DPF	16	565.00	0.00	2.48	0.00	0.00	0.00	0.00	4.39
POLOSARA	Pandaripada	DPF	17	270.00	0.00	3.33	0.00	0.00	0.00	0.00	3.46
POLOSARA	Pandaripada	DPF	18	365.00	0.00	4.11	0.00	0.00	0.00	0.00	3.89
POLOSARA	Pandaripada	DPF	19	330.00	0.00	3.64	0.00	0.00	0.00	0.00	3.48
POLOSARA	Pandaripada	DPF	20	260.00	0.00	2.69	0.00	0.00	0.00	0.00	4.02
POLOSARA	Pandaripada	DPF	21	110.00	0.00	66.36	1.82	0.00	0.00	0.00	3963.59

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Pandaripada	DPF	22	470.00	0.00	4.47	2.98	2.77	1.49	0.21	22.54
POLOSARA	Pandaripada	DPF	23	250.00	0.00	12.00	40.00	16.80	4.40	1.20	1926.24
POLOSARA	Pandaripada	DPF	24	270.00	0.00	7.41	5.19	4.81	2.59	0.37	73.87
POLOSARA	Pandaripada	DPF	25	280.00	0.00	10.71	35.71	15.00	3.93	1.07	1525.93
POLOSARA	Pandaripada	DPF	26	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	27	325.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	28	500.00	0.00	1.00	0.00	0.00	0.00	0.00	9.44
POLOSARA	Pandaripada	DPF	29	375.00	0.00	1.33	0.00	0.00	0.00	0.00	7.92
POLOSARA	Pandaripada	DPF	30	225.00	0.00	2.22	0.00	0.00	0.00	0.00	4.95
POLOSARA	Pandaripada	DPF	31	200.00	0.00	2.50	0.00	0.00	0.00	0.00	4.35
POLOSARA	Pandaripada	DPF	32	260.00	0.00	3.85	8.08	6.15	0.77	0.00	98.08
POLOSARA	Pandaripada	DPF	33	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	34	335.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	35	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	36	475.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	37	385.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	38	125.00	0.00	11.20	0.00	0.00	0.00	0.00	63.53
POLOSARA	Bhalukhai	DPF	1	13.20	0.00	7.58	0.00	0.00	0.00	0.00	20.48
POLOSARA	Sodaka-A	DPF	1	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Sodaka-B	DPF	1	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Kakudia	DPF	1	85.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Jokalundi	PRF	1	390.00	0.00	0.00	0.00	4.62	0.26	0.26	22.92
POLOSARA	Paikajamuna	DPF	1	335.48	0.00	6.26	5.07	3.88	0.89	0.00	48.05
POLOSARA	Purunapani Daburia	PRF	1	320.00	0.00	15.94	6.88	3.75	2.81	1.25	224.76
POLOSARA	Purunapani Daburia	PRF	2	275.00	0.00	2.55	0.73	0.73	0.00	0.00	5.69
POLOSARA	Purunapani Daburia	PRF	3	345.00	0.00	13.62	4.06	0.58	1.16	0.58	121.99

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Purunapani Daburia	PRF	4	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Purunapani Daburia	PRF	5	325.00	0.00	0.92	0.62	1.85	0.62	1.23	16.71
POLOSARA	Purunapani Daburia	PRF	6	380.00	0.00	1.58	1.58	1.05	0.00	1.05	10.68
POLOSARA	Purunapani Daburia	PRF	7	240.00	0.00	2.50	5.00	1.25	1.25	0.42	27.96
POLOSARA	Purunapani Daburia	PRF	8	170.00	0.00	3.53	6.47	0.00	2.35	0.00	44.82
POLOSARA	Khaladimal	PRF	1	400.00	0.00	2.50	1.00	0.75	0.00	0.00	5.85
POLOSARA	Khaladimal	PRF	2	275.00	0.00	2.18	4.00	0.00	1.45	0.00	19.91
POLOSARA	Khaladimal	PRF	3	125.00	0.00	0.00	0.00	14.40	0.80	0.80	213.55
POLOSARA	Khaladimal	PRF	4	135.00	0.00	15.56	12.59	9.63	2.22	0.00	392.67
POLOSARA	Khaladimal	PRF	5	430.00	0.00	9.07	0.23	0.00	0.00	0.00	36.19
POLOSARA	Khaladimal	PRF	6	150.00	0.00	0.67	0.00	0.67	0.00	0.00	11.70
BADAGADA	Badagada-A	UDPF	1	205.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	2	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	3	395.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	4	380.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	5	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	6	285.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	7	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	8	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	9	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	10	220.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	11	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	12	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	13	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	14	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	15	655.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Badagada-A	UDPF	16	530.00	0.00	0.00	0.19	0.00	0.00	0.00	1.20
BADAGADA	Badagada-A	UDPF	17	315.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	18	435.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	19	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	20	820.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	21	535.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	22	295.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	23	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	24	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	25	365.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	1	540.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	2	290.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	3	465.00	0.00	0.00	0.22	0.00	0.00	0.00	1.17
BADAGADA	Badagada-B	UDPF	4	190.00	0.00	3.68	0.00	0.00	0.00	0.00	3.50
BADAGADA	Badagada-B	UDPF	5	205.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	6	555.00	0.00	0.54	0.00	0.00	0.00	0.00	11.90
BADAGADA	Badagada-B	UDPF	7	670.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	8	460.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	9	140.00	0.00	5.00	0.00	0.00	0.00	0.00	5.86
BADAGADA	Badagada-B	UDPF	10	190.00	0.00	1.58	0.00	0.00	0.00	0.00	6.94
BADAGADA	Goudagotha	DPF	1	237.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	2	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	3	265.00	0.00	0.00	0.38	0.00	0.00	0.00	1.00
BADAGADA	Goudagotha	DPF	4	430.00	0.00	1.63	0.00	0.00	0.00	0.00	6.76
BADAGADA	Goudagotha	DPF	5	512.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	6	442.50	0.00	0.00	0.23	0.00	0.00	0.00	1.15

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Goudagotha	DPF	7	380.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	8	280.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	9	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	10	370.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	11	332.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	12	370.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	13	330.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	1	599.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	2	435.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	3	555.50	0.00	1.62	2.34	0.00	0.00	0.00	9.94
BADAGADA	Merikote	DPF	4	498.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	5	463.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	6	560.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	7	408.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	8	435.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	9	503.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	1	506.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	2	554.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	3	489.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	4	527.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	5	719.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Srirampalli	PRF	1	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Mahisikhata	UDPF	1	270.00	6.67	0.74	0.00	0.00	0.00	0.00	29.09
BADAGADA	Mahisikhata	UDPF	2	328.25	5.48	0.61	0.00	0.00	0.00	0.00	21.87

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

Total Block Area:

111680.09

TOTAL: 1104.36 1321.20 538.07 255.75 94.60 32.78 3346.76

MEAN: 3.72 4.45 1.81 0.86 0.32 0.11 11.27

STDEV: 10.00 7.44 4.57 2.33 0.87 0.44 25.64

Std. Error (mean): 0.58 0.43 0.27 0.14 0.05 0.03 1.49

All Blocks (Tree): 415270.97 496808.51 202328.85 96168.83 35570.35 12326.50 1258474.02

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

PIASAL

SORADA	Pondakhol	RF	1	526.00	0.08	0.04	0.04	0.00	0.00	0.00	2.09
SORADA	Pondakhol	RF	2	332.90	0.42	0.12	0.00	0.00	0.00	0.00	1.58
SORADA	Pondakhol	RF	3	441.33	0.23	0.09	0.00	0.14	0.00	0.00	2.07
SORADA	Pondakhol	RF	4	229.51	0.09	0.52	0.35	0.00	0.00	0.00	3.54
SORADA	Pondakhol	RF	5[a]	383.66	0.05	0.21	0.21	0.26	0.00	0.00	3.21
SORADA	Pondakhol	RF	6	313.42	0.64	0.19	0.06	0.06	0.00	0.00	1.50
SORADA	Pondakhol	RF	7	378.14	0.05	0.21	0.16	0.26	0.00	0.00	3.11
SORADA	Pondakhol	RF	8	344.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	9	419.68	0.05	0.19	0.10	0.00	0.00	0.00	2.46
SORADA	Pondakhol	RF	10	240.38	0.00	0.75	0.17	0.00	0.00	0.00	1.36
SORADA	Pondakhol	RF	11	487.22	0.33	0.12	0.04	0.00	0.00	0.00	1.72
SORADA	Pondakhol	RF	12	334.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	13	567.05	0.39	0.85	0.53	0.00	0.00	0.00	4.26
SORADA	Pondakhol	RF	14	618.00	2.14	2.82	0.13	0.00	0.00	0.00	12.96
SORADA	Pondakhol	RF	15	397.54	0.00	0.05	0.00	0.00	0.00	0.00	-0.19
SORADA	Pondakhol	RF	16	596.30	1.27	2.82	0.27	0.00	0.00	0.00	12.32
SORADA	Pondakhol	RF	17	340.33	1.88	2.76	1.00	0.00	0.00	0.00	14.73
SORADA	Pondakhol	RF	18	569.36	2.18	0.77	0.11	0.00	0.00	0.00	3.50
SORADA	Pondakhol	RF	19	282.80	2.33	2.33	0.21	0.07	0.00	0.00	10.65
SORADA	Pondakhol	RF	20	465.08	8.17	7.65	2.28	0.13	0.00	0.00	126.36
SORADA	Pondakhol	RF	21	294.44	0.20	0.07	0.00	0.00	0.00	0.00	1.87
SORADA	Pondakhol	RF	22	321.75	0.37	0.19	0.00	0.00	0.00	0.00	1.74
SORADA	Pondakhol	RF	23	520.35	0.08	0.04	0.00	0.00	0.00	0.00	2.10
SORADA	Pondakhol	RF	24	175.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	25	288.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	26	149.20	0.94	0.54	0.00	0.00	0.00	0.00	1.80
SORADA	Pondakhol	RF	27[a]	449.26	0.36	0.22	0.04	0.00	0.00	0.00	1.82

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Pondakhhol	RF	28	419.35	2.05	0.43	0.00	0.00	0.00	0.00	2.35
SORADA	Pondakhhol	RF	29[a]	578.64	0.21	1.56	0.07	0.00	0.00	0.00	5.91
SORADA	Pondakhhol	RF	30	563.18	1.81	0.96	0.11	0.00	0.00	0.00	3.40
SORADA	Pondakhhol	RF	31	475.59	2.65	2.23	0.59	0.04	0.00	0.00	11.84
SORADA	Pondakhhol	RF	32	478.34	1.30	1.76	0.00	0.00	0.00	0.00	5.87
SORADA	Pondakhhol	RF	33	346.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	34	567.05	5.22	1.23	0.25	0.00	0.00	0.00	20.73
SORADA	Pondakhhol	RF	35	456.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	36[a]	286.58	0.21	0.28	0.14	0.00	0.00	0.00	2.36
SORADA	Dhaugam	RF	1[a]	250.90	0.48	0.08	0.00	0.00	0.00	0.00	1.44
SORADA	Dhaugam	RF	2[a]	375.20	0.64	0.16	0.00	0.00	0.00	0.00	1.36
SORADA	Pondakhhol	RF	5[b]	100.82	2.98	0.00	0.99	0.00	0.00	0.00	7.20
SORADA	Pondakhhol	RF	27[b]	245.62	0.81	0.00	0.00	0.00	0.00	0.00	1.26
SORADA	Pondakhhol	RF	29[b]	198.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	36[b]	301.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Dhaugam	RF	1[b]	203.06	2.95	0.49	0.00	0.00	0.00	0.00	4.92
SORADA	Dhaugam	RF	2[b]	203.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pipalpanka	RF	1	441.76	0.68	0.23	0.00	0.00	0.00	0.00	1.41
SORADA	Pipalpanka	RF	2	553.13	0.36	0.18	0.00	0.00	0.00	0.00	1.75
SORADA	Pipalpanka	RF	3	606.03	0.50	0.17	0.00	0.00	0.00	0.00	1.53
SORADA	Pipalpanka	RF	4	558.20	1.07	0.36	0.00	0.00	0.00	0.00	1.42
SORADA	Pipalpanka	RF	5	600.22	0.17	0.17	0.00	0.00	0.00	0.00	2.07
SORADA	Pipalpanka	RF	6	637.06	0.63	0.31	0.00	0.00	0.00	0.00	1.61

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Mundapita	RF	1	627.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	2	553.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	3	610.52	1.80	0.00	0.00	0.00	0.00	0.00	1.57
SORADA	Mundapita	RF	4	476.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Hukuma	RF	1	692.91	0.58	0.00	0.00	0.00	0.00	0.00	1.48
SORADA	Hukuma	RF	2	531.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Hukuma	RF	3	522.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Bondhagocha	RF	1	613.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Bondhagocha	RF	2	693.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Dhepaguda	RF	1	334.78	0.00	0.30	0.00	0.00	0.00	0.00	0.16
SORADA	Dhepaguda	RF	2	493.00	1.42	0.20	0.00	0.00	0.00	0.00	1.23
SORADA	Dabuki	RF	1	506.32	0.59	0.00	0.00	0.00	0.00	0.00	1.46
SORADA	Pankalagam	RF	1	265.59	0.38	0.38	0.00	0.00	0.00	0.00	2.04
BUGUDA	Budurung	RF	1	316.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Chamunda	RF	1	265.59	8.66	0.75	0.00	0.00	0.00	0.00	58.66
BUGUDA	Kadapada	RF	1	677.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kumarsuni Vishnucha	RF	1	1081.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Binodia	RF	1	209.96	10.95	0.95	0.00	0.00	0.00	0.00	98.94
BUGUDA	Tangarai	RF	1	817.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Nagiri	RF	1	449.55	2.89	0.44	0.00	0.00	0.00	0.00	4.60
BUGUDA	Solundi	RF	1	362.75	9.10	1.93	0.00	0.00	0.00	0.00	69.82
BUGUDA	Jhollery	RF	1	914.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Sandasulia	RF	1	848.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BUGUDA	Panchabhuti-C	RF	1	198.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-B	RF	1	354.66	0.00	0.00	0.85	0.00	0.00	0.00	2.18
BUGUDA	Kurchuli-A	RF	1	390.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	2	646.22	0.00	0.00	0.46	0.00	0.00	0.00	0.98
BUGUDA	Kurchuli-A	RF	3	533.09	6.94	1.69	0.38	0.19	0.00	0.00	40.14
BUGUDA	Kurchuli-A	RF	4	662.32	0.45	0.00	0.00	0.00	0.00	0.00	1.64
BUGUDA	Kriamba-Jadupadi	RF	1	432.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	2	639.53	1.41	0.16	0.00	0.00	0.00	0.00	1.16
BUGUDA	Kriamba-Jadupadi	RF	3	555.56	1.62	0.18	0.00	0.00	0.00	0.00	1.35
BUGUDA	Kriamba-Jadupadi	RF	4	959.71	0.21	0.00	0.00	0.00	0.00	0.00	2.04
BUGUDA	Kriamba-Jadupadi	RF	5	714.56	10.08	1.68	0.00	0.00	0.00	0.00	85.17
BUGUDA	Kriamba-Jadupadi	RF	6	756.83	0.79	0.53	0.00	0.00	0.00	0.00	1.87
BUGUDA	Kriamba-Jadupadi	RF	7	858.22	5.36	1.05	0.00	0.00	0.00	0.00	20.83
BUGUDA	Kriamba-Jadupadi	RF	8	498.73	9.62	2.41	0.00	0.00	0.00	0.00	81.05
BUGUDA	Kriamba-Jadupadi	RF	9	465.24	18.27	3.87	0.00	0.00	0.00	0.00	313.06
BUGUDA	Kriamba-Jadupadi	RF	10	733.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	11	786.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	12	443.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	13	876.22	2.51	0.23	0.00	0.00	0.00	0.00	3.05
BUGUDA	Panchabhuti-A	RF	1	609.28	0.98	0.00	0.00	0.00	0.00	0.00	1.18
BUGUDA	Panchabhuti-A	RF	2	282.83	4.60	0.00	0.00	0.00	0.00	0.00	13.03
BUGUDA	Panchabhuti-A	RF	3	529.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Panchabhuti-A	RF	4	368.28	0.00	0.54	0.27	0.00	0.00	0.00	1.11
ASKA	Malijhar-I	DPF	1	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Kansa	DPF	1	181.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badadanda	DPF	1	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chapudia	DPF	1	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Rasibadi	DPF	1	370.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Bhumi dimiripalli	PRF	1	15.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badua	PRF	1	80.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	1	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	2	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	3	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	4	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	5	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	6	215.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	2	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	3	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	1	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	2	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	3	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	4	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	5	220.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	6	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	7	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	8	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	9	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	10	110.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Gadagada	DPF	1	190.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gadagada	DPF	2	155.00	17.42	1.29	0.00	0.00	0.00	0.00	268.61
ASKA	Gadagada	DPF	3	130.00	1.54	0.00	0.00	0.00	0.00	0.00	1.30
ASKA	Chemidi	DPF	1	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	2	115.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	3	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	4	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	5	70.00	30.00	7.14	0.00	0.00	0.00	0.00	891.79
ASKA	Chemidi	DPF	6	230.00	0.87	0.00	0.00	0.00	0.00	0.00	1.23
ASKA	Machakhai	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Machakhai	DPF	2	165.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Hatimunda	DPF	1	175.00	1.71	0.00	0.00	0.00	0.00	0.00	1.47
ASKA	Hatimunda	DPF	2	180.00	2.22	0.00	0.00	0.00	0.00	0.00	2.30
ASKA	Hatimunda	DPF	3	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	1	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	2	195.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	3	235.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	4	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gouduni	PRF	1	142.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gouduni	PRF	2	157.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	1	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	2	305.00	6.56	0.98	0.00	0.00	0.00	0.00	32.15
ASKA	Badagada-C	UDPF	3	165.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	4	315.00	6.35	0.63	0.32	0.00	0.00	0.00	29.61
ASKA	Badagada-C	UDPF	5	310.00	3.87	0.00	0.00	0.00	0.00	0.00	8.55
ASKA	Badagada-C	UDPF	6	275.00	4.36	0.00	0.00	0.00	0.00	0.00	11.48
ASKA	Badagada-C	UDPF	7	700.00	4.43	0.00	0.00	0.00	0.00	0.00	11.90
ASKA	Badagada-C	UDPF	8	325.00	6.15	0.00	0.00	0.00	0.00	0.00	26.18
ASKA	Badagada-C	UDPF	9	455.00	4.62	0.44	0.00	0.00	0.00	0.00	13.57
ASKA	Badagada-C	UDPF	10	485.00	2.68	0.00	0.00	0.00	0.00	0.00	3.49
ASKA	Badagada-C	UDPF	11	440.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	12	460.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	13	575.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	14	340.00	3.82	0.88	0.00	0.00	0.00	0.00	9.76
ASKA	Badagada-C	UDPF	15	320.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	16	385.00	2.34	0.00	0.00	0.00	0.00	0.00	2.56
ASKA	Badagada-C	UDPF	17	390.00	3.85	0.00	0.00	0.00	0.00	0.00	8.42
ASKA	Badagada-C	UDPF	18	395.00	5.06	0.51	0.00	0.00	0.00	0.00	17.00
ASKA	Badagada-C	UDPF	19	465.00	4.95	0.43	0.22	0.00	0.00	0.00	16.31
ASKA	Badagada-C	UDPF	20	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	21	390.00	2.82	0.00	0.00	0.00	0.00	0.00	3.94
ASKA	Badagada-C	UDPF	22	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	23	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	24	150.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	25	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	26	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	27	355.00	5.07	0.56	0.00	0.00	0.00	0.00	17.18
ASKA	Badagada-C	UDPF	28	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	29	210.00	0.95	0.00	0.00	0.00	0.00	0.00	1.19

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	30	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Kantakhhol	DPF	1	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Kantakhhol	DPF	2	120.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	1	185.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	2	415.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	3	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	4	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	5	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	6	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	7	440.00	0.45	0.00	0.00	0.00	0.00	0.00	1.63
POLOSARA	Pandaripada	DPF	8	260.00	0.77	0.00	0.00	0.00	0.00	0.00	1.30
POLOSARA	Pandaripada	DPF	9	345.00	2.03	0.29	0.00	0.00	0.00	0.00	2.06
POLOSARA	Pandaripada	DPF	10	305.00	2.95	0.33	0.00	0.00	0.00	0.00	4.60
POLOSARA	Pandaripada	DPF	11	510.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	12	495.00	14.55	2.42	0.00	0.00	0.00	0.00	188.77
POLOSARA	Pandaripada	DPF	13	170.00	3.53	2.35	0.00	0.00	0.00	0.00	14.59
POLOSARA	Pandaripada	DPF	14	375.00	8.53	0.00	0.00	0.00	0.00	0.00	55.66
POLOSARA	Pandaripada	DPF	15	410.00	12.93	4.39	0.00	0.00	0.00	0.00	163.51
POLOSARA	Pandaripada	DPF	16	565.00	2.30	0.35	0.00	0.00	0.00	0.00	2.73
POLOSARA	Pandaripada	DPF	17	270.00	12.22	2.59	0.00	0.00	0.00	0.00	132.96
POLOSARA	Pandaripada	DPF	18	365.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	19	330.00	6.67	0.61	0.00	0.00	0.00	0.00	32.34
POLOSARA	Pandaripada	DPF	20	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	21	110.00	43.64	10.91	0.00	0.00	0.00	0.00	1936.53
POLOSARA	Pandaripada	DPF	22	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	23	250.00	0.00	0.00	1.20	0.00	0.00	0.00	3.55

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Pandaripada	DPF	24	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	25	280.00	0.00	0.00	1.07	0.00	0.00	0.00	3.02
POLOSARA	Pandaripada	DPF	26	270.00	1.11	0.00	0.00	0.00	0.00	0.00	1.15
POLOSARA	Pandaripada	DPF	27	325.00	2.15	0.62	0.00	0.00	0.00	0.00	2.94
POLOSARA	Pandaripada	DPF	28	500.00	2.60	0.00	0.00	0.00	0.00	0.00	3.25
POLOSARA	Pandaripada	DPF	29	375.00	3.47	0.00	0.00	0.00	0.00	0.00	6.52
POLOSARA	Pandaripada	DPF	30	225.00	2.67	0.00	0.00	0.00	0.00	0.00	3.45
POLOSARA	Pandaripada	DPF	31	200.00	6.50	0.00	0.00	0.00	0.00	0.00	29.77
POLOSARA	Pandaripada	DPF	32	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	33	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	34	335.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	35	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	36	475.00	4.84	0.42	0.00	0.00	0.00	0.00	15.15
POLOSARA	Pandaripada	DPF	37	385.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	38	125.00	10.40	1.60	0.00	0.00	0.00	0.00	90.71
POLOSARA	Bhalukhai	DPF	1	13.20	7.58	7.58	0.00	15.15	0.00	0.00	365.34
POLOSARA	Sodaka-A	DPF	1	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Sodaka-B	DPF	1	430.00	5.35	0.47	0.00	0.00	0.00	0.00	19.24
POLOSARA	Kakudia	DPF	1	85.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Jokalundi	PRF	1	390.00	0.00	0.26	2.05	0.26	0.00	0.00	8.44
POLOSARA	Paikajamuna	DPF	1	335.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Purunapani Daburia	PRF	1	320.00	0.63	0.63	0.00	0.00	0.00	0.00	2.23
POLOSARA	Purunapani Daburia	PRF	2	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Purunapani Daburia	PRF	3	345.00	1.45	0.00	0.00	0.00	0.00	0.00	1.24
POLOSARA	Purunapani Daburia	PRF	4	470.00	0.00	0.21	0.00	0.64	0.00	0.00	1.55
POLOSARA	Purunapani Daburia	PRF	5	325.00	0.31	0.00	0.00	0.00	0.00	0.00	1.86

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Purunapani Daburia	PRF	6	380.00	1.05	0.26	0.00	0.00	0.00	0.00	1.26
POLOSARA	Purunapani Daburia	PRF	7	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Purunapani Daburia	PRF	8	170.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Khaladimal	PRF	1	400.00	0.25	0.00	0.00	0.75	0.00	0.00	3.86
POLOSARA	Khaladimal	PRF	2	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Khaladimal	PRF	3	125.00	1.60	9.60	4.00	2.40	0.00	0.00	136.83
POLOSARA	Khaladimal	PRF	4	135.00	3.70	0.00	0.00	0.00	0.00	0.00	7.67
POLOSARA	Khaladimal	PRF	5	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Khaladimal	PRF	6	150.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	1	205.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	2	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	3	395.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	4	380.00	8.68	2.89	0.53	0.00	0.00	0.00	70.27
BADAGADA	Badagada-A	UDPF	5	345.00	6.38	0.87	0.58	0.00	0.00	0.00	31.21
BADAGADA	Badagada-A	UDPF	6	285.00	4.56	2.46	0.35	0.00	0.00	0.00	21.86
BADAGADA	Badagada-A	UDPF	7	340.00	0.59	0.59	0.00	0.00	0.00	0.00	2.19
BADAGADA	Badagada-A	UDPF	8	355.00	3.66	1.97	0.28	0.00	0.00	0.00	13.70
BADAGADA	Badagada-A	UDPF	9	430.00	5.35	0.47	0.00	0.00	0.00	0.00	19.24
BADAGADA	Badagada-A	UDPF	10	220.00	10.00	0.00	0.00	0.00	0.00	0.00	79.47
BADAGADA	Badagada-A	UDPF	11	250.00	8.40	0.40	0.00	0.00	0.00	0.00	54.04
BADAGADA	Badagada-A	UDPF	12	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	13	270.00	2.96	0.00	0.00	0.00	0.00	0.00	4.44
BADAGADA	Badagada-A	UDPF	14	355.00	4.79	0.00	0.00	0.00	0.00	0.00	14.39
BADAGADA	Badagada-A	UDPF	15	655.00	1.98	1.07	0.15	0.00	0.00	0.00	4.09
BADAGADA	Badagada-A	UDPF	16	530.00	0.38	0.00	0.00	0.00	0.00	0.00	1.75
BADAGADA	Badagada-A	UDPF	17	315.00	10.48	3.49	0.63	0.00	0.00	0.00	105.25

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Badagada-A	UDPF	18	435.00	5.29	1.84	0.69	0.00	0.00	0.00	25.00
BADAGADA	Badagada-A	UDPF	19	345.00	6.38	0.87	0.58	0.00	0.00	0.00	31.21
BADAGADA	Badagada-A	UDPF	20	820.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	21	535.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	22	295.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	23	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	24	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	25	365.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	1	540.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	2	290.00	7.93	2.76	1.03	0.00	0.00	0.00	60.29
BADAGADA	Badagada-B	UDPF	3	465.00	0.43	0.00	0.00	0.00	0.00	0.00	1.67
BADAGADA	Badagada-B	UDPF	4	190.00	11.05	0.00	0.00	0.00	0.00	0.00	99.20
BADAGADA	Badagada-B	UDPF	5	205.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	6	555.00	5.77	0.00	0.00	0.00	0.00	0.00	22.45
BADAGADA	Badagada-B	UDPF	7	670.00	12.39	0.00	0.00	0.00	0.00	0.00	127.43
BADAGADA	Badagada-B	UDPF	8	460.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	9	140.00	15.00	0.00	0.00	0.00	0.00	0.00	192.96
BADAGADA	Badagada-B	UDPF	10	190.00	16.84	0.00	0.00	0.00	0.00	0.00	247.38
BADAGADA	Goudagotha	DPF	1	237.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	2	240.00	9.58	3.33	1.25	0.00	0.00	0.00	90.43
BADAGADA	Goudagotha	DPF	3	265.00	0.75	0.00	0.00	0.00	0.00	0.00	1.31
BADAGADA	Goudagotha	DPF	4	430.00	4.88	0.00	0.00	0.00	0.00	0.00	15.09
BADAGADA	Goudagotha	DPF	5	512.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	6	442.50	0.45	0.00	0.00	0.00	0.00	0.00	1.64
BADAGADA	Goudagotha	DPF	7	380.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	8	280.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Goudagotha	DPF	9	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	10	370.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	11	332.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	12	370.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	13	330.00	10.00	3.33	0.61	0.00	0.00	0.00	95.26
BADAGADA	Merikote	DPF	1	599.24	3.67	0.50	0.33	0.00	0.00	0.00	8.68
BADAGADA	Merikote	DPF	2	435.50	2.99	1.61	0.23	0.00	0.00	0.00	8.95
BADAGADA	Merikote	DPF	3	555.50	0.36	0.36	0.00	0.00	0.00	0.00	2.04
BADAGADA	Merikote	DPF	4	498.00	4.62	0.40	0.00	0.00	0.00	0.00	13.52
BADAGADA	Merikote	DPF	5	463.00	4.75	0.00	0.00	0.00	0.00	0.00	14.12
BADAGADA	Merikote	DPF	6	560.50	3.75	0.18	0.00	0.00	0.00	0.00	7.86
BADAGADA	Merikote	DPF	7	408.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	8	435.50	1.84	0.00	0.00	0.00	0.00	0.00	1.62
BADAGADA	Merikote	DPF	9	503.00	3.38	0.00	0.00	0.00	0.00	0.00	6.12
BADAGADA	Raipada	RF	1	506.65	4.34	0.00	0.00	0.00	0.00	0.00	11.34
BADAGADA	Raipada	RF	2	554.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	3	489.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	4	527.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	5	719.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Srirampalli	PRF	1	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Mahisikhata	UDPF	1	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Mahisikhata	UDPF	2	328.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

Total Block Area:

111680.09

TOTAL: 638.68 139.56 25.89 20.35 0.00 0.00 824.49

MEAN: 2.15 0.47 0.09 0.07 0.00 0.00 2.78

STDEV: 4.20 1.25 0.34 0.89 0.00 0.00 6.68

Std. Error (mean): 0.24 0.07 0.02 0.05 0.00 0.00 0.39

All Blocks (Tree): 240160.86 52480.07 9735.99 7652.33 0.00 0.00 310029.24

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

SISOO

SORADA	Pondakhol	RF	1	526.00	0.42	0.15	0.08	0.00	0.00	0.00	0.39
SORADA	Pondakhol	RF	2	332.90	0.66	0.24	0.12	0.00	0.00	0.00	0.97
SORADA	Pondakhol	RF	3	441.33	0.73	1.00	0.18	0.09	0.00	0.00	3.57
SORADA	Pondakhol	RF	4	229.51	0.78	0.26	0.26	0.00	0.00	0.00	1.54
SORADA	Pondakhol	RF	5[a]	383.66	0.94	0.68	0.31	0.05	0.00	0.00	3.14
SORADA	Pondakhol	RF	6	313.42	0.32	0.19	0.19	0.06	0.00	0.00	0.75
SORADA	Pondakhol	RF	7	378.14	0.95	0.69	0.21	0.05	0.00	0.00	2.95
SORADA	Pondakhol	RF	8	344.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	9	419.68	0.14	0.05	0.19	0.00	0.00	0.00	0.23
SORADA	Pondakhol	RF	10	240.38	0.00	0.00	0.08	0.00	0.00	0.00	0.10
SORADA	Pondakhol	RF	11	487.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	12	334.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	13	567.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	14	618.00	3.56	3.33	0.42	0.00	0.00	0.00	30.66
SORADA	Pondakhol	RF	15	397.54	2.36	1.06	0.25	0.00	0.00	0.00	9.16
SORADA	Pondakhol	RF	16	596.30	4.80	2.75	0.20	0.00	0.00	0.00	36.19
SORADA	Pondakhol	RF	17	340.33	0.94	0.47	0.06	0.00	0.00	0.00	1.89
SORADA	Pondakhol	RF	18	569.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	19	282.80	0.35	0.57	0.00	0.00	0.00	0.00	1.21
SORADA	Pondakhol	RF	20	465.08	0.99	0.52	0.00	0.00	0.00	0.00	2.06
SORADA	Pondakhol	RF	21	294.44	0.07	0.14	0.00	0.00	0.00	0.00	0.02
SORADA	Pondakhol	RF	22	321.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	23	520.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	24	175.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	25	288.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	26	149.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	27[a]	449.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Pondakhol	RF	28	419.35	0.57	0.00	0.00	0.00	0.00	0.00	0.35
SORADA	Pondakhol	RF	29[a]	578.64	2.66	1.18	0.00	0.00	0.00	0.00	10.70
SORADA	Pondakhol	RF	30	563.18	0.14	0.00	0.00	0.00	0.00	0.00	-0.04
SORADA	Pondakhol	RF	31	475.59	0.17	0.08	0.00	0.00	0.00	0.00	-0.03
SORADA	Pondakhol	RF	32	478.34	0.04	0.25	0.04	0.00	0.00	0.00	0.27
SORADA	Pondakhol	RF	33	346.47	0.40	0.23	0.00	0.00	0.00	0.00	0.44
SORADA	Pondakhol	RF	34	567.05	0.04	0.07	0.25	0.00	0.00	0.00	0.36
SORADA	Pondakhol	RF	35	456.52	0.26	0.13	0.09	0.00	0.00	0.00	0.23
SORADA	Pondakhol	RF	36[a]	286.58	0.21	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[a]	250.90	0.48	0.00	0.16	0.00	0.00	0.00	0.50
SORADA	Dhaugam	RF	2[a]	375.20	1.60	1.23	0.16	0.00	0.00	0.00	6.43
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pondakhol	RF	5[b]	100.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	27[b]	245.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	29[b]	198.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	36[b]	301.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[b]	203.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Dhaugam	RF	2[b]	203.04	2.96	0.00	0.99	0.00	0.00	0.00	11.99
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pipalpanka	RF	1	441.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pipalpanka	RF	2	553.13	0.54	0.18	0.00	0.00	0.00	0.00	0.50
SORADA	Pipalpanka	RF	3	606.03	0.33	0.17	0.00	0.00	0.00	0.00	0.24
SORADA	Pipalpanka	RF	4	558.20	0.36	0.18	0.00	0.00	0.00	0.00	0.29
SORADA	Pipalpanka	RF	5	600.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pipalpanka	RF	6	637.06	0.47	0.16	0.00	0.00	0.00	0.00	0.36
					0.00	0.00	0.00	0.00	0.00	0.00	

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Mundapita	RF	1	627.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	2	553.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	3	610.52	2.95	0.49	0.16	0.00	0.00	0.00	10.38
SORADA	Mundapita	RF	4	476.29	4.20	1.26	0.42	0.00	0.00	0.00	22.81
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Hukuma	RF	1	692.91	1.59	0.43	0.00	0.00	0.00	0.00	3.50
SORADA	Hukuma	RF	2	531.01	3.20	0.00	0.00	0.00	0.00	0.00	10.80
SORADA	Hukuma	RF	3	522.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Bondhagocha	RF	1	613.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Bondhagocha	RF	2	693.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhepaguda	RF	1	334.78	0.00	0.30	0.00	0.00	0.00	0.00	0.44
SORADA	Dhepaguda	RF	2	493.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dabuki	RF	1	506.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pankalagam	RF	1	265.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Budurung	RF	1	316.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Chamunda	RF	1	265.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kadapada	RF	1	677.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kumarsuni Vishnucha	RF	1	1081.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Binodia	RF	1	209.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Tangarai	RF	1	817.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Nagiri	RF	1	449.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Solundi	RF	1	362.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Jhollery	RF	1	914.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Sandasulia	RF	1	848.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BUGUDA	Panchabhuti-C	RF	1	198.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-B	RF	1	354.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kurchuli-A	RF	1	390.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	2	646.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	3	533.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	4	662.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kriamba-Jadupadi	RF	1	432.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	2	639.53	8.60	0.00	0.00	0.00	0.00	0.00	75.60
BUGUDA	Kriamba-Jadupadi	RF	3	555.56	0.18	0.00	0.00	0.00	0.00	0.00	-0.02
BUGUDA	Kriamba-Jadupadi	RF	4	959.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	5	714.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	6	756.83	0.13	0.00	0.00	0.00	0.00	0.00	-0.05
BUGUDA	Kriamba-Jadupadi	RF	7	858.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	8	498.73	1.40	0.00	0.00	0.00	0.00	0.00	2.16
BUGUDA	Kriamba-Jadupadi	RF	9	465.24	0.43	0.00	0.00	0.00	0.00	0.00	0.18
BUGUDA	Kriamba-Jadupadi	RF	10	733.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	11	786.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	12	443.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	13	876.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Panchabhuti-A	RF	1	609.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Panchabhuti-A	RF	2	282.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Panchabhuti-A	RF	3	529.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Panchabhuti-A	RF	4	368.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-I	DPF	1	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Kansa	DPF	1	181.53	8.81	2.20	0.00	0.00	0.00	0.00	87.71
ASKA	Badadanda	DPF	1	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chapudia	DPF	1	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Rasibadi	DPF	1	370.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Bhumi dimiripalli	PRF	1	15.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badua	PRF	1	80.00	8.75	0.00	0.00	0.00	0.00	0.00	78.23
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-II	DPF	1	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	2	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	3	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	4	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	5	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	6	215.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Ambadaban	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	2	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	3	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Pakadi	DPF	1	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	2	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	3	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	4	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	5	220.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	6	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	7	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	8	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	9	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	10	110.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gadagada	DPF	1	190.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gadagada	DPF	2	155.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gadagada	DPF	3	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Chemidi	DPF	1	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	2	115.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	3	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	4	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	5	70.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	6	230.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Machakhai	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Machakhai	DPF	2	165.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Hatimunda	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Hatimunda	DPF	2	180.00	6.11	1.67	0.00	0.00	0.00	0.00	43.86
ASKA	Hatimunda	DPF	3	90.00	18.89	0.00	0.00	0.00	0.00	0.00	360.50
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Suliaguda	DPF	1	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	2	195.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	3	235.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	4	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gouduni	PRF	1	142.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gouduni	PRF	2	157.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Badagada-C	UDPF	1	340.00	2.06	0.59	0.00	0.00	0.00	0.00	5.73

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	2	305.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	3	165.00	4.85	1.21	0.00	0.00	0.00	0.00	27.71
ASKA	Badagada-C	UDPF	4	315.00	7.30	0.95	0.32	0.00	0.00	0.00	57.66
ASKA	Badagada-C	UDPF	5	310.00	5.16	0.97	0.00	0.00	0.00	0.00	29.97
ASKA	Badagada-C	UDPF	6	275.00	4.73	0.00	0.00	0.00	0.00	0.00	23.21
ASKA	Badagada-C	UDPF	7	700.00	1.86	0.00	0.00	0.00	0.00	0.00	3.73
ASKA	Badagada-C	UDPF	8	325.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	9	455.00	3.74	0.66	0.22	0.00	0.00	0.00	16.40
ASKA	Badagada-C	UDPF	10	485.00	4.12	0.00	0.00	0.00	0.00	0.00	17.74
ASKA	Badagada-C	UDPF	11	440.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	12	460.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	13	575.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	14	340.00	6.47	2.06	0.59	0.00	0.00	0.00	51.95
ASKA	Badagada-C	UDPF	15	320.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	16	385.00	4.42	0.78	0.52	0.00	0.00	0.00	23.22
ASKA	Badagada-C	UDPF	17	390.00	6.41	0.00	0.00	0.00	0.00	0.00	42.29
ASKA	Badagada-C	UDPF	18	395.00	4.30	0.76	0.25	0.00	0.00	0.00	21.46
ASKA	Badagada-C	UDPF	19	465.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	20	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	21	390.00	4.62	0.77	0.26	0.00	0.00	0.00	24.34
ASKA	Badagada-C	UDPF	22	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	23	355.00	5.07	0.00	0.56	0.00	0.00	0.00	27.95
ASKA	Badagada-C	UDPF	24	150.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	25	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	26	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	27	355.00	5.35	0.85	0.28	0.00	0.00	0.00	32.14
ASKA	Badagada-C	UDPF	28	200.00	10.00	3.00	1.00	0.00	0.00	0.00	118.53
ASKA	Badagada-C	UDPF	29	210.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	30	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Kantakhhol	DPF	1	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Kantakhhol	DPF	2	120.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Pandaripada	DPF	1	185.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	2	415.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	3	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	4	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	5	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	6	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	7	440.00	0.23	0.00	0.00	0.00	0.00	0.00	0.01
POLOSARA	Pandaripada	DPF	8	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	9	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	10	305.00	18.03	0.00	0.00	0.00	0.00	0.00	328.72
POLOSARA	Pandaripada	DPF	11	510.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	12	495.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	13	170.00	0.59	0.00	0.00	0.00	0.00	0.00	0.37
POLOSARA	Pandaripada	DPF	14	375.00	0.27	0.00	0.00	0.00	0.00	0.00	0.03
POLOSARA	Pandaripada	DPF	15	410.00	0.24	0.00	0.00	0.00	0.00	0.00	0.02
POLOSARA	Pandaripada	DPF	16	565.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	17	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	18	365.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	19	330.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	20	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	21	110.00	6.36	0.00	0.00	0.00	0.00	0.00	41.68
POLOSARA	Pandaripada	DPF	22	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	23	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Pandaripada	DPF	24	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	25	280.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	26	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	27	325.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	28	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	29	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	30	225.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	31	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	32	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	33	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	34	335.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	35	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	36	475.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	37	385.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	38	125.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Bhalukhai	DPF	1	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Sodaka-A	DPF	1	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Sodaka-B	DPF	1	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Kakudia	DPF	1	85.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Jokalundi	PRF	1	390.00	0.00	0.26	0.00	0.00	0.00	0.00	0.34
POLOSARA	Paikajamuna	DPF	1	335.48	1.49	0.00	0.00	0.00	0.00	0.00	2.43
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Purunapani Daburia	PRF	1	320.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Purunapani Daburia	PRF	2	275.00	2.91	0.73	0.73	0.00	0.00	0.00	12.37
POLOSARA	Purunapani Daburia	PRF	3	345.00	0.87	0.58	0.00	0.00	0.00	0.00	1.99
POLOSARA	Purunapani Daburia	PRF	4	470.00	1.49	1.91	0.21	0.00	0.00	0.00	9.49
POLOSARA	Purunapani Daburia	PRF	5	325.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Purunapani Daburia	PRF	6	380.00	0.79	0.00	0.53	0.00	0.00	0.00	1.90
POLOSARA	Purunapani Daburia	PRF	7	240.00	0.42	1.25	0.00	0.42	0.00	0.00	4.64
POLOSARA	Purunapani Daburia	PRF	8	170.00	4.71	3.53	0.59	0.00	0.00	0.00	42.52
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Khaladimal	PRF	1	400.00	0.75	0.00	0.75	0.00	0.00	0.00	2.53
POLOSARA	Khaladimal	PRF	2	275.00	0.00	1.09	0.36	0.00	0.00	0.00	3.60
POLOSARA	Khaladimal	PRF	3	125.00	0.00	0.80	6.40	0.80	0.00	0.00	56.94
POLOSARA	Khaladimal	PRF	4	135.00	2.22	0.00	0.00	0.00	0.00	0.00	5.29
POLOSARA	Khaladimal	PRF	5	430.00	0.70	0.70	0.23	0.00	0.00	0.00	2.46
POLOSARA	Khaladimal	PRF	6	150.00	2.67	2.00	0.00	0.00	0.00	0.00	14.71
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-A	UDPF	1	205.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	2	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	3	395.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	4	380.00	0.26	0.00	0.00	0.00	0.00	0.00	0.03
BADAGADA	Badagada-A	UDPF	5	345.00	1.16	0.29	0.00	0.00	0.00	0.00	1.90
BADAGADA	Badagada-A	UDPF	6	285.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	7	340.00	0.88	0.29	0.00	0.00	0.00	0.00	1.29
BADAGADA	Badagada-A	UDPF	8	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	9	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	10	220.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	11	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	12	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	13	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	14	355.00	2.25	0.28	0.00	0.00	0.00	0.00	5.84
BADAGADA	Badagada-A	UDPF	15	655.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	16	530.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	17	315.00	0.32	0.00	0.00	0.00	0.00	0.00	0.07

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Badagada-A	UDPF	18	435.00	3.91	0.69	0.00	0.00	0.00	0.00	17.43
BADAGADA	Badagada-A	UDPF	19	345.00	1.16	0.29	0.00	0.00	0.00	0.00	1.90
BADAGADA	Badagada-A	UDPF	20	820.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	21	535.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	22	295.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	23	275.00	8.00	0.00	0.00	0.00	0.00	0.00	65.52
BADAGADA	Badagada-A	UDPF	24	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	25	365.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-B	UDPF	1	540.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	2	290.00	5.86	1.03	0.00	0.00	0.00	0.00	38.08
BADAGADA	Badagada-B	UDPF	3	465.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	4	190.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	5	205.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	6	555.00	1.08	0.00	0.00	0.00	0.00	0.00	1.30
BADAGADA	Badagada-B	UDPF	7	670.00	3.88	0.00	0.00	0.00	0.00	0.00	15.75
BADAGADA	Badagada-B	UDPF	8	460.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	9	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	10	190.00	3.16	0.00	0.00	0.00	0.00	0.00	10.52
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Goudagotha	DPF	1	237.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	2	240.00	7.08	1.25	0.00	0.00	0.00	0.00	54.98
BADAGADA	Goudagotha	DPF	3	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	4	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	5	512.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	6	442.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	7	380.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	8	280.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Goudagotha	DPF	9	410.00	5.37	0.00	0.00	0.00	0.00	0.00	29.78
BADAGADA	Goudagotha	DPF	10	370.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	11	332.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	12	370.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	13	330.00	0.30	0.00	0.00	0.00	0.00	0.00	0.06
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Merikote	DPF	1	599.24	0.67	0.17	0.00	0.00	0.00	0.00	0.65
BADAGADA	Merikote	DPF	2	435.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	3	555.50	0.54	0.18	0.00	0.00	0.00	0.00	0.49
BADAGADA	Merikote	DPF	4	498.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	5	463.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	6	560.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	7	408.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	8	435.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	9	503.00	1.59	0.20	0.00	0.00	0.00	0.00	2.98
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Raipada	RF	1	506.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	2	554.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	3	489.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	4	527.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	5	719.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Srirampalli	PRF	1	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Mahisikhata	UDPF	1	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Mahisikhata	UDPF	2	328.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

Total Block Area:

111680.09

TOTAL: 267.15 52.40 18.63 1.48 0.00 0.00 339.65

MEAN: 0.90 0.18 0.06 0.00 0.00 0.00 1.14

STDEV: 2.20 0.48 0.39 0.05 0.00 0.00 3.12

Std. Error (mean): 0.13 0.03 0.02 0.00 0.00 0.00 0.18

All Blocks (Tree): 100454.68 19703.93 7003.71 555.07 0.00 0.00 127717.39

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

BANDHAN

SORADA	Pondakhol	RF	1	526.00	0.91	1.03	0.34	0.08	0.11	0.00	3.03
SORADA	Pondakhol	RF	2	332.90	1.44	1.62	0.54	0.12	0.18	0.00	5.77
SORADA	Pondakhol	RF	3	441.33	2.04	1.40	1.18	0.50	0.32	0.00	9.31
SORADA	Pondakhol	RF	4	229.51	4.88	3.22	1.66	0.44	0.17	0.09	34.19
SORADA	Pondakhol	RF	5[a]	383.66	1.67	2.50	1.82	0.78	0.10	0.00	16.70
SORADA	Pondakhol	RF	6	313.42	3.45	3.32	1.91	1.02	0.13	0.00	28.78
SORADA	Pondakhol	RF	7	378.14	1.69	1.06	1.11	0.79	0.11	0.00	7.89
SORADA	Pondakhol	RF	8	344.37	4.59	2.56	1.16	0.29	0.00	0.00	24.92
SORADA	Pondakhol	RF	9	419.68	2.19	1.67	0.24	0.24	0.00	0.00	6.41
SORADA	Pondakhol	RF	10	240.38	4.91	3.33	2.00	0.50	0.00	0.00	36.67
SORADA	Pondakhol	RF	11	487.22	3.61	1.77	0.62	0.37	0.00	0.00	13.49
SORADA	Pondakhol	RF	12	334.67	4.72	2.63	1.20	0.30	0.00	0.00	26.46
SORADA	Pondakhol	RF	13	567.05	1.83	1.34	0.25	0.25	0.04	0.00	4.63
SORADA	Pondakhol	RF	14	618.00	10.61	4.72	1.62	0.52	0.03	0.00	124.01
SORADA	Pondakhol	RF	15	397.54	7.35	1.81	0.20	0.35	0.10	0.00	46.43
SORADA	Pondakhol	RF	16	596.30	5.57	3.86	1.04	0.17	0.00	0.00	41.04
SORADA	Pondakhol	RF	17	340.33	5.99	3.47	0.47	0.18	0.00	0.00	40.41
SORADA	Pondakhol	RF	18	569.36	2.95	1.41	0.70	0.49	0.18	0.00	10.08
SORADA	Pondakhol	RF	19	282.80	2.83	1.49	0.64	0.00	0.00	0.00	8.24
SORADA	Pondakhol	RF	20	465.08	3.31	3.01	1.55	0.04	0.00	0.00	21.12
SORADA	Pondakhol	RF	21	294.44	1.02	0.54	0.75	0.14	0.07	0.00	3.19
SORADA	Pondakhol	RF	22	321.75	4.48	2.80	0.12	0.12	0.00	0.00	22.17
SORADA	Pondakhol	RF	23	520.35	3.04	1.31	0.54	0.35	0.04	0.00	8.98
SORADA	Pondakhol	RF	24	175.17	13.24	3.43	0.46	0.80	0.23	0.11	167.76
SORADA	Pondakhol	RF	25	288.94	5.40	8.58	2.35	0.14	0.00	0.00	106.51
SORADA	Pondakhol	RF	26	149.20	16.76	2.01	0.54	0.40	0.00	0.00	256.46
SORADA	Pondakhol	RF	27[a]	449.26	4.90	2.54	1.42	0.22	0.00	0.00	28.07

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Pondakhhol	RF	28	419.35	17.46	5.48	2.24	0.48	0.14	0.10	314.32
SORADA	Pondakhhol	RF	29[a]	578.64	11.34	5.56	1.38	0.28	0.00	0.00	145.65
SORADA	Pondakhhol	RF	30	563.18	12.11	4.76	1.53	0.78	0.18	0.00	156.12
SORADA	Pondakhhol	RF	31	475.59	8.12	4.00	1.56	0.21	0.00	0.00	74.32
SORADA	Pondakhhol	RF	32	478.34	2.17	1.25	0.29	0.00	0.00	0.00	4.67
SORADA	Pondakhhol	RF	33	346.47	2.19	0.46	0.92	0.00	0.00	0.00	4.82
SORADA	Pondakhhol	RF	34	567.05	2.47	1.09	0.35	0.00	0.00	0.00	5.16
SORADA	Pondakhhol	RF	35	456.52	7.45	3.94	1.84	0.57	0.09	0.00	67.29
SORADA	Pondakhhol	RF	36[a]	286.58	1.05	0.14	0.00	0.07	0.00	0.00	0.98
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[a]	250.90	1.99	1.04	0.16	0.08	0.00	0.00	3.52
SORADA	Dhaugam	RF	2[a]	375.20	4.48	2.67	0.48	0.00	0.00	0.00	21.99
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pondakhhol	RF	5[b]	100.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	27[b]	245.62	17.10	3.26	1.63	0.00	0.00	0.00	277.66
SORADA	Pondakhhol	RF	29[b]	198.50	32.24	21.66	11.08	0.00	0.00	0.00	1595.68
SORADA	Pondakhhol	RF	36[b]	301.19	6.64	2.32	1.00	0.33	0.00	0.00	42.23
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[b]	203.06	6.40	4.43	0.98	0.49	0.00	0.00	55.01
SORADA	Dhaugam	RF	2[b]	203.04	5.91	1.97	0.00	0.00	0.00	0.00	29.79
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pipalpanka	RF	1	441.76	1.81	0.68	0.00	0.00	0.00	0.00	2.24
SORADA	Pipalpanka	RF	2	553.13	0.54	0.54	0.36	0.00	0.00	0.00	2.03
SORADA	Pipalpanka	RF	3	606.03	1.98	0.66	0.17	0.00	0.00	0.00	2.63
SORADA	Pipalpanka	RF	4	558.20	3.05	1.07	0.72	0.18	0.18	0.00	8.78
SORADA	Pipalpanka	RF	5	600.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pipalpanka	RF	6	637.06	1.88	1.41	0.00	0.00	0.00	0.00	4.17
					0.00	0.00	0.00	0.00	0.00	0.00	

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Mundapita	RF	1	627.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	2	553.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	3	610.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	4	476.29	1.89	0.00	0.00	0.00	0.00	0.00	1.81
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Hukuma	RF	1	692.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Hukuma	RF	2	531.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Hukuma	RF	3	522.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Bondhagocha	RF	1	613.64	1.30	0.49	0.33	0.00	0.00	0.00	1.80
SORADA	Bondhagocha	RF	2	693.69	1.15	0.43	0.29	0.00	0.00	0.00	1.56
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhepaguda	RF	1	334.78	0.60	0.00	0.00	0.00	0.00	0.00	1.12
SORADA	Dhepaguda	RF	2	493.00	2.43	1.62	0.41	0.20	0.00	0.00	7.18
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dabuki	RF	1	506.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pankalagam	RF	1	265.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Budurung	RF	1	316.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Chamunda	RF	1	265.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kadapada	RF	1	677.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kumarsuni Vishnucha	RF	1	1081.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Binodia	RF	1	209.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Tangarai	RF	1	817.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Nagiri	RF	1	449.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Solundi	RF	1	362.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Jhollery	RF	1	914.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Sandasulia	RF	1	848.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BUGUDA	Panchabhuti-C	RF	1	198.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-B	RF	1	354.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kurchuli-A	RF	1	390.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	2	646.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	3	533.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	4	662.32	0.15	0.15	0.00	0.00	0.00	0.00	1.58
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kriamba-Jadupadi	RF	1	432.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	2	639.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	3	555.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	4	959.71	0.31	0.00	0.00	0.00	0.00	0.00	1.41
BUGUDA	Kriamba-Jadupadi	RF	5	714.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	6	756.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	7	858.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	8	498.73	1.40	0.80	0.20	0.00	0.00	0.00	2.13
BUGUDA	Kriamba-Jadupadi	RF	9	465.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	10	733.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	11	786.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	12	443.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	13	876.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Panchabhuti-A	RF	1	609.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Panchabhuti-A	RF	2	282.83	2.47	0.00	0.00	0.00	0.00	0.00	3.22
BUGUDA	Panchabhuti-A	RF	3	529.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Panchabhuti-A	RF	4	368.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-I	DPF	1	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Kansa	DPF	1	181.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badadanda	DPF	1	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chapudia	DPF	1	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Rasibadi	DPF	1	370.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Bhumi dimiripalli	PRF	1	15.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badua	PRF	1	80.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-II	DPF	1	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	2	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	3	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	4	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	5	345.00	1.16	0.00	0.00	0.00	0.00	0.00	1.01
ASKA	Malijhar-II	DPF	6	215.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Ambadaban	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	2	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	3	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Pakadi	DPF	1	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	2	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	3	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	4	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	5	220.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	6	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	7	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	8	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	9	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	10	110.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gadagada	DPF	1	190.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gadagada	DPF	2	155.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gadagada	DPF	3	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Chemidi	DPF	1	345.00	1.16	0.00	0.00	0.00	0.00	0.00	1.01
ASKA	Chemidi	DPF	2	115.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	3	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	4	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	5	70.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	6	230.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Machakhai	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Machakhai	DPF	2	165.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Hatimunda	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Hatimunda	DPF	2	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Hatimunda	DPF	3	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Suliaguda	DPF	1	265.00	0.75	0.00	0.00	0.00	0.00	0.00	1.02
ASKA	Suliaguda	DPF	2	195.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	3	235.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	4	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gouduni	PRF	1	142.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gouduni	PRF	2	157.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Badagada-C	UDPF	1	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	2	305.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	3	165.00	4.24	0.00	0.00	0.00	0.00	0.00	11.65
ASKA	Badagada-C	UDPF	4	315.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	5	310.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	6	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	7	700.00	2.14	0.00	0.00	0.00	0.00	0.00	2.34
ASKA	Badagada-C	UDPF	8	325.00	3.08	0.00	0.00	0.00	0.00	0.00	5.39
ASKA	Badagada-C	UDPF	9	455.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	10	485.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	11	440.00	2.95	0.68	0.00	0.00	0.00	0.00	5.46
ASKA	Badagada-C	UDPF	12	460.00	1.52	0.00	0.00	0.00	0.00	0.00	1.27
ASKA	Badagada-C	UDPF	13	575.00	2.96	0.00	0.00	0.00	0.00	0.00	4.90
ASKA	Badagada-C	UDPF	14	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	15	320.00	5.31	0.00	0.00	0.00	0.00	0.00	19.79
ASKA	Badagada-C	UDPF	16	385.00	3.90	0.00	0.00	0.00	0.00	0.00	9.51
ASKA	Badagada-C	UDPF	17	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	18	395.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	19	465.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	20	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	21	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	22	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	23	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	24	150.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	25	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	26	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	27	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	28	200.00	4.50	0.00	0.00	0.00	0.00	0.00	13.40
ASKA	Badagada-C	UDPF	29	210.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	30	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Kantakhhol	DPF	1	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Kantakhhol	DPF	2	120.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Pandaripada	DPF	1	185.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	2	415.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	3	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	4	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	5	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	6	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	7	440.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	8	260.00	1.15	0.00	0.00	0.00	0.00	0.00	1.01
POLOSARA	Pandaripada	DPF	9	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	10	305.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	11	510.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	12	495.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	13	170.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	14	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	15	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	16	565.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	17	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	18	365.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	19	330.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	20	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	21	110.00	6.36	3.64	0.91	0.00	0.00	0.00	46.50
POLOSARA	Pandaripada	DPF	22	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	23	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Pandaripada	DPF	24	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	25	280.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	26	270.00	0.37	0.37	0.00	0.00	0.00	0.00	1.46
POLOSARA	Pandaripada	DPF	27	325.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	28	500.00	1.40	0.00	0.00	0.00	0.00	0.00	1.16
POLOSARA	Pandaripada	DPF	29	375.00	1.87	0.00	0.00	0.00	0.00	0.00	1.77
POLOSARA	Pandaripada	DPF	30	225.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	31	200.00	3.50	0.00	0.00	0.00	0.00	0.00	7.35
POLOSARA	Pandaripada	DPF	32	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	33	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	34	335.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	35	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	36	475.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	37	385.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	38	125.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Bhalukhai	DPF	1	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Sodaka-A	DPF	1	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Sodaka-B	DPF	1	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Kakudia	DPF	1	85.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Jokalundi	PRF	1	390.00	0.51	3.08	1.28	0.77	0.00	0.00	17.10
POLOSARA	Paikajamuna	DPF	1	335.48	1.19	0.00	0.00	0.00	0.00	0.00	1.02
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Purunapani Daburia	PRF	1	320.00	0.00	4.38	2.19	0.31	0.94	0.00	31.92
POLOSARA	Purunapani Daburia	PRF	2	275.00	3.27	2.55	0.00	0.00	0.00	0.00	13.53
POLOSARA	Purunapani Daburia	PRF	3	345.00	2.32	1.74	0.58	0.29	0.00	0.00	7.94
POLOSARA	Purunapani Daburia	PRF	4	470.00	0.85	1.06	1.49	0.43	0.43	0.00	8.63
POLOSARA	Purunapani Daburia	PRF	5	325.00	3.08	0.00	0.00	0.62	0.92	0.00	9.47

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Purunapani Daburia	PRF	6	380.00	0.79	0.00	0.00	0.79	0.26	0.00	3.60
POLOSARA	Purunapani Daburia	PRF	7	240.00	3.75	2.50	3.33	1.67	0.42	0.00	38.63
POLOSARA	Purunapani Daburia	PRF	8	170.00	0.59	0.00	0.00	0.00	4.71	0.00	32.32
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Khaladimal	PRF	1	400.00	2.00	2.25	0.75	0.25	0.25	0.00	10.32
POLOSARA	Khaladimal	PRF	2	275.00	0.00	0.00	0.36	0.00	0.00	0.36	0.89
POLOSARA	Khaladimal	PRF	3	125.00	5.60	1.60	0.00	0.00	0.00	0.00	25.37
POLOSARA	Khaladimal	PRF	4	135.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Khaladimal	PRF	5	430.00	0.00	0.00	0.00	0.00	0.00	0.23	0.23
POLOSARA	Khaladimal	PRF	6	150.00	8.00	16.00	0.00	0.00	0.00	0.00	312.10
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-A	UDPF	1	205.00	13.17	5.85	0.00	0.00	0.00	0.00	185.99
BADAGADA	Badagada-A	UDPF	2	100.00	26.00	12.00	0.00	0.00	0.00	0.00	775.51
BADAGADA	Badagada-A	UDPF	3	395.00	9.87	2.78	0.00	0.00	0.00	0.00	88.79
BADAGADA	Badagada-A	UDPF	4	380.00	8.42	2.11	0.00	0.00	0.00	0.00	61.48
BADAGADA	Badagada-A	UDPF	5	345.00	0.58	0.00	0.00	0.00	0.00	0.00	1.13
BADAGADA	Badagada-A	UDPF	6	285.00	2.46	0.35	0.00	0.00	0.00	0.00	3.27
BADAGADA	Badagada-A	UDPF	7	340.00	0.88	0.00	0.00	0.00	0.00	0.00	0.98
BADAGADA	Badagada-A	UDPF	8	355.00	1.97	0.28	0.00	0.00	0.00	0.00	2.00
BADAGADA	Badagada-A	UDPF	9	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	10	220.00	2.27	0.00	0.00	0.00	0.00	0.00	2.66
BADAGADA	Badagada-A	UDPF	11	250.00	0.80	0.00	0.00	0.00	0.00	0.00	1.01
BADAGADA	Badagada-A	UDPF	12	375.00	1.87	0.00	0.00	0.00	0.00	0.00	1.77
BADAGADA	Badagada-A	UDPF	13	270.00	2.59	0.37	0.00	0.00	0.00	0.00	3.71
BADAGADA	Badagada-A	UDPF	14	355.00	1.69	0.00	0.00	0.00	0.00	0.00	1.49
BADAGADA	Badagada-A	UDPF	15	655.00	1.07	0.15	0.00	0.00	0.00	0.00	0.91
BADAGADA	Badagada-A	UDPF	16	530.00	7.17	1.70	0.00	0.00	0.00	0.00	42.71
BADAGADA	Badagada-A	UDPF	17	315.00	10.16	2.54	0.00	0.00	0.00	0.00	92.55

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Badagada-A	UDPF	18	435.00	1.61	0.00	0.00	0.00	0.00	0.00	1.38
BADAGADA	Badagada-A	UDPF	19	345.00	0.58	0.00	0.00	0.00	0.00	0.00	1.13
BADAGADA	Badagada-A	UDPF	20	820.00	4.76	1.34	0.00	0.00	0.00	0.00	17.42
BADAGADA	Badagada-A	UDPF	21	535.00	5.05	2.24	0.00	0.00	0.00	0.00	23.26
BADAGADA	Badagada-A	UDPF	22	295.00	8.81	4.07	0.00	0.00	0.00	0.00	80.32
BADAGADA	Badagada-A	UDPF	23	275.00	4.73	0.73	0.00	0.00	0.00	0.00	15.70
BADAGADA	Badagada-A	UDPF	24	260.00	2.69	0.00	0.00	0.00	0.00	0.00	3.92
BADAGADA	Badagada-A	UDPF	25	365.00	4.66	1.10	0.00	0.00	0.00	0.00	15.99
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-B	UDPF	1	540.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	2	290.00	2.41	0.00	0.00	0.00	0.00	0.00	3.04
BADAGADA	Badagada-B	UDPF	3	465.00	8.17	1.94	0.00	0.00	0.00	0.00	57.08
BADAGADA	Badagada-B	UDPF	4	190.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	5	205.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	6	555.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	7	670.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	8	460.00	5.65	2.61	0.00	0.00	0.00	0.00	30.47
BADAGADA	Badagada-B	UDPF	9	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	10	190.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Goudagotha	DPF	1	237.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	2	240.00	2.92	0.00	0.00	0.00	0.00	0.00	4.74
BADAGADA	Goudagotha	DPF	3	265.00	14.34	3.40	0.00	0.00	0.00	0.00	192.23
BADAGADA	Goudagotha	DPF	4	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	5	512.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	6	442.50	8.59	2.03	0.00	0.00	0.00	0.00	63.66
BADAGADA	Goudagotha	DPF	7	380.00	4.47	1.05	0.00	0.00	0.00	0.00	14.56
BADAGADA	Goudagotha	DPF	8	280.00	2.50	0.00	0.00	0.00	0.00	0.00	3.30

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Goudagotha	DPF	9	410.00	3.17	0.49	0.00	0.00	0.00	0.00	6.06
BADAGADA	Goudagotha	DPF	10	370.00	7.30	3.24	0.00	0.00	0.00	0.00	52.51
BADAGADA	Goudagotha	DPF	11	332.50	7.82	3.61	0.00	0.00	0.00	0.00	62.03
BADAGADA	Goudagotha	DPF	12	370.00	10.54	2.97	0.00	0.00	0.00	0.00	102.26
BADAGADA	Goudagotha	DPF	13	330.00	9.70	2.42	0.00	0.00	0.00	0.00	83.67
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Merikote	DPF	1	599.24	0.33	0.00	0.00	0.00	0.00	0.00	1.39
BADAGADA	Merikote	DPF	2	435.50	1.61	0.23	0.00	0.00	0.00	0.00	1.36
BADAGADA	Merikote	DPF	3	555.50	0.54	0.00	0.00	0.00	0.00	0.00	1.16
BADAGADA	Merikote	DPF	4	498.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	5	463.00	1.08	0.00	0.00	0.00	0.00	0.00	0.99
BADAGADA	Merikote	DPF	6	560.50	0.36	0.00	0.00	0.00	0.00	0.00	1.36
BADAGADA	Merikote	DPF	7	408.00	1.72	0.00	0.00	0.00	0.00	0.00	1.52
BADAGADA	Merikote	DPF	8	435.50	1.61	0.23	0.00	0.00	0.00	0.00	1.36
BADAGADA	Merikote	DPF	9	503.00	1.19	0.00	0.00	0.00	0.00	0.00	1.02
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Raipada	RF	1	506.65	0.99	0.00	0.00	0.00	0.00	0.00	0.98
BADAGADA	Raipada	RF	2	554.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	3	489.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	4	527.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	5	719.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Srirampalli	PRF	1	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Mahisikhata	UDPF	1	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Mahisikhata	UDPF	2	328.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

Total Block Area:

111680.09

TOTAL: 586.62 241.99 65.22 18.38 10.31 0.89 923.41

MEAN: 1.98 0.81 0.22 0.06 0.03 0.00 3.11

STDEV: 3.60 1.98 0.77 0.18 0.29 0.03 6.85

Std. Error (mean): 0.21 0.11 0.04 0.01 0.02 0.00 0.40

All Blocks (Tree): 220583.51 90995.15 24526.02 6909.90 3877.33 335.75 347227.66

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

GAMBHAR

SORADA	Pondakhol	RF	1	526.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	2	332.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	3	441.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	4	229.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	5[a]	383.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	6	313.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	7	378.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	8	344.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	9	419.68	0.00	0.05	0.29	0.10	0.10	0.10	1.21
SORADA	Pondakhol	RF	10	240.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	11	487.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	12	334.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	13	567.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	14	618.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	15	397.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	16	596.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	17	340.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	18	569.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	19	282.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	20	465.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	21	294.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	22	321.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	23	520.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	24	175.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	25	288.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	26	149.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	27[a]	449.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Pondakhhol	RF	28	419.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	29[a]	578.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	30	563.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	31	475.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	32	478.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	33	346.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	34	567.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	35	456.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	36[a]	286.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[a]	250.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Dhaugam	RF	2[a]	375.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pondakhhol	RF	5[b]	100.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	27[b]	245.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	29[b]	198.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	36[b]	301.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[b]	203.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Dhaugam	RF	2[b]	203.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pipalpanka	RF	1	441.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pipalpanka	RF	2	553.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pipalpanka	RF	3	606.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pipalpanka	RF	4	558.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pipalpanka	RF	5	600.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pipalpanka	RF	6	637.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Mundapita	RF	1	627.36	0.80	0.00	0.00	0.00	0.00	0.00	1.62
SORADA	Mundapita	RF	2	553.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	3	610.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	4	476.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Hukuma	RF	1	692.91	1.59	0.00	0.00	0.00	0.00	0.00	4.68
SORADA	Hukuma	RF	2	531.01	3.20	0.75	0.00	0.00	0.00	0.00	16.78
SORADA	Hukuma	RF	3	522.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Bondhagocha	RF	1	613.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Bondhagocha	RF	2	693.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhepaguda	RF	1	334.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Dhepaguda	RF	2	493.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dabuki	RF	1	506.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pankalagam	RF	1	265.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Budurung	RF	1	316.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Chamunda	RF	1	265.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kadapada	RF	1	677.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kumarsuni Vishnucha	RF	1	1081.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Binodia	RF	1	209.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Tangarai	RF	1	817.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Nagiri	RF	1	449.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Solundi	RF	1	362.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Jhollery	RF	1	914.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Sandasulia	RF	1	848.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BUGUDA	Panchabhuti-C	RF	1	198.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-B	RF	1	354.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kurchuli-A	RF	1	390.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	2	646.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	3	533.09	1.69	0.00	0.00	0.00	0.00	0.00	5.16
BUGUDA	Kurchuli-A	RF	4	662.32	0.15	0.00	0.00	0.00	0.00	0.00	0.05
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kriamba-Jadupadi	RF	1	432.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	2	639.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	3	555.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	4	959.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	5	714.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	6	756.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	7	858.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	8	498.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	9	465.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	10	733.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	11	786.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	12	443.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	13	876.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Panchabhuti-A	RF	1	609.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Panchabhuti-A	RF	2	282.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Panchabhuti-A	RF	3	529.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Panchabhuti-A	RF	4	368.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-I	DPF	1	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Kansa	DPF	1	181.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badadanda	DPF	1	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chapudia	DPF	1	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Rasibadi	DPF	1	370.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Bhumi dimiripalli	PRF	1	15.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badua	PRF	1	80.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-II	DPF	1	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	2	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	3	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	4	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	5	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	6	215.00	1.86	0.00	0.00	0.00	0.00	0.00	6.02
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Ambadaban	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	2	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	3	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Pakadi	DPF	1	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	2	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	3	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	4	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	5	220.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	6	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	7	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	8	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	9	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	10	110.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gadagada	DPF	1	190.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gadagada	DPF	2	155.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gadagada	DPF	3	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Chemidi	DPF	1	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	2	115.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	3	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	4	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	5	70.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	6	230.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Machakhai	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Machakhai	DPF	2	165.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Hatimunda	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Hatimunda	DPF	2	180.00	6.11	0.00	0.00	0.00	0.00	0.00	46.20
ASKA	Hatimunda	DPF	3	90.00	18.89	4.44	0.00	0.00	0.00	0.00	412.85
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Suliaguda	DPF	1	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	2	195.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	3	235.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	4	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gouduni	PRF	1	142.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gouduni	PRF	2	157.00	3.18	0.00	0.00	0.00	0.00	0.00	14.66
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Badagada-C	UDPF	1	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	2	305.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	3	165.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	4	315.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	5	310.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	6	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	7	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	8	325.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	9	455.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	10	485.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	11	440.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	12	460.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	13	575.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	14	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	15	320.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	16	385.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	17	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	18	395.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	19	465.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	20	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	21	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	22	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	23	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	24	150.00	2.67	0.67	0.00	0.00	0.00	0.00	12.56
ASKA	Badagada-C	UDPF	25	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	26	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	27	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	28	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	29	210.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	30	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Kantakhhol	DPF	1	270.00	2.59	0.00	0.00	0.00	0.00	0.00	10.37
ASKA	Kantakhhol	DPF	2	120.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Pandaripada	DPF	1	185.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	2	415.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	3	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	4	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	5	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	6	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	7	440.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	8	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	9	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	10	305.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	11	510.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	12	495.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	13	170.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	14	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	15	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	16	565.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	17	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	18	365.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	19	330.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	20	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	21	110.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	22	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	23	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Pandaripada	DPF	24	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	25	280.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	26	270.00	0.37	0.00	0.00	0.00	0.00	0.00	0.49
POLOSARA	Pandaripada	DPF	27	325.00	2.77	0.00	0.00	0.00	0.00	0.00	11.57
POLOSARA	Pandaripada	DPF	28	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	29	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	30	225.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	31	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	32	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	33	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	34	335.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	35	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	36	475.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	37	385.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	38	125.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Bhalukhai	DPF	1	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Sodaka-A	DPF	1	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Sodaka-B	DPF	1	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Kakudia	DPF	1	85.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Jokalundi	PRF	1	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Paikajamuna	DPF	1	335.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Purunapani Daburia	PRF	1	320.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Purunapani Daburia	PRF	2	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Purunapani Daburia	PRF	3	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Purunapani Daburia	PRF	4	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Purunapani Daburia	PRF	5	325.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Purunapani Daburia	PRF	6	380.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Purunapani Daburia	PRF	7	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Purunapani Daburia	PRF	8	170.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Khaladimal	PRF	1	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Khaladimal	PRF	2	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Khaladimal	PRF	3	125.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Khaladimal	PRF	4	135.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Khaladimal	PRF	5	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Khaladimal	PRF	6	150.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-A	UDPF	1	205.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	2	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	3	395.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	4	380.00	2.37	0.00	0.00	0.00	0.00	0.00	8.92
BADAGADA	Badagada-A	UDPF	5	345.00	2.03	0.00	0.00	0.00	0.00	0.00	6.93
BADAGADA	Badagada-A	UDPF	6	285.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	7	340.00	0.88	0.88	0.00	0.00	0.00	0.00	4.34
BADAGADA	Badagada-A	UDPF	8	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	9	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	10	220.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	11	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	12	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	13	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	14	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	15	655.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	16	530.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	17	315.00	2.86	0.00	0.00	0.00	0.00	0.00	12.20

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Badagada-A	UDPF	18	435.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	19	345.00	2.03	0.00	0.00	0.00	0.00	0.00	6.93
BADAGADA	Badagada-A	UDPF	20	820.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	21	535.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	22	295.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	23	275.00	6.18	0.73	0.00	0.00	0.00	0.00	49.07
BADAGADA	Badagada-A	UDPF	24	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	25	365.00	3.29	0.82	0.00	0.00	0.00	0.00	17.71
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-B	UDPF	1	540.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	2	290.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	3	465.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	4	190.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	5	205.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	6	555.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	7	670.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	8	460.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	9	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	10	190.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Goudagotha	DPF	1	237.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	2	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	3	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	4	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	5	512.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	6	442.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	7	380.00	3.16	0.79	0.00	0.00	0.00	0.00	16.57
BADAGADA	Goudagotha	DPF	8	280.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Goudagotha	DPF	9	410.00	4.15	0.49	0.00	0.00	0.00	0.00	24.28
BADAGADA	Goudagotha	DPF	10	370.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	11	332.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	12	370.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	13	330.00	2.73	0.00	0.00	0.00	0.00	0.00	11.28
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Merikote	DPF	1	599.24	1.17	0.00	0.00	0.00	0.00	0.00	2.90
BADAGADA	Merikote	DPF	2	435.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	3	555.50	0.54	0.54	0.00	0.00	0.00	0.00	2.20
BADAGADA	Merikote	DPF	4	498.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	5	463.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	6	560.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	7	408.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	8	435.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	9	503.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Raipada	RF	1	506.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	2	554.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	3	489.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	4	527.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	5	719.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Srirampalli	PRF	1	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Mahisikhata	UDPF	1	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Mahisikhata	UDPF	2	328.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

Total Block Area:

111680.09

TOTAL: 77.24 10.16 0.29 0.10 0.10 0.10 87.98

MEAN: 0.26 0.03 0.00 0.00 0.00 0.00 0.30

STDEV: 1.32 0.28 0.02 0.01 0.01 0.01 1.63

Std. Error (mean): 0.08 0.02 0.00 0.00 0.00 0.00 0.09

All Blocks (Tree): 29045.97 3820.78 107.52 35.84 35.84 35.84 33081.79

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

HALANDA

SORADA	Pondakhol	RF	1	526.00	1.63	0.38	0.38	0.08	0.00	0.00	2.27
SORADA	Pondakhol	RF	2	332.90	2.58	0.60	0.60	0.12	0.00	0.00	5.72
SORADA	Pondakhol	RF	3	441.33	1.31	0.73	1.50	1.90	0.45	0.09	14.26
SORADA	Pondakhol	RF	4	229.51	2.27	1.74	3.31	0.96	0.78	0.00	27.56
SORADA	Pondakhol	RF	5[a]	383.66	1.04	1.15	1.15	0.36	0.26	0.26	7.28
SORADA	Pondakhol	RF	6	313.42	0.13	0.13	0.13	0.00	0.06	0.13	1.48
SORADA	Pondakhol	RF	7	378.14	1.06	0.74	1.11	0.21	0.26	0.26	5.68
SORADA	Pondakhol	RF	8	344.37	1.28	0.93	0.70	0.41	0.00	0.00	4.58
SORADA	Pondakhol	RF	9	419.68	0.14	0.19	0.14	0.05	0.00	0.10	1.41
SORADA	Pondakhol	RF	10	240.38	7.74	2.16	0.83	0.17	0.08	0.25	57.05
SORADA	Pondakhol	RF	11	487.22	5.83	1.64	0.90	0.45	0.08	0.00	32.59
SORADA	Pondakhol	RF	12	334.67	1.31	2.03	1.20	0.42	0.00	0.00	10.57
SORADA	Pondakhol	RF	13	567.05	0.85	0.49	0.04	0.00	0.00	0.00	1.14
SORADA	Pondakhol	RF	14	618.00	9.39	3.69	1.13	0.23	0.06	0.03	93.66
SORADA	Pondakhol	RF	15	397.54	5.89	3.27	0.45	0.20	0.00	0.10	40.65
SORADA	Pondakhol	RF	16	596.30	7.85	3.05	1.58	0.37	0.07	0.00	67.10
SORADA	Pondakhol	RF	17	340.33	7.52	6.11	1.88	1.00	0.12	0.06	96.97
SORADA	Pondakhol	RF	18	569.36	3.30	1.26	0.88	0.60	0.07	0.00	12.65
SORADA	Pondakhol	RF	19	282.80	8.63	4.60	2.05	0.71	0.28	0.07	95.75
SORADA	Pondakhol	RF	20	465.08	6.71	3.74	1.29	0.52	0.09	0.00	56.88
SORADA	Pondakhol	RF	21	294.44	1.83	1.22	0.75	0.14	0.14	0.00	6.03
SORADA	Pondakhol	RF	22	321.75	5.22	3.05	1.99	0.56	0.12	0.00	39.89
SORADA	Pondakhol	RF	23	520.35	5.84	1.61	0.42	0.19	0.00	0.00	30.50
SORADA	Pondakhol	RF	24	175.17	13.70	4.45	0.34	0.23	0.34	0.00	191.14
SORADA	Pondakhol	RF	25	288.94	17.93	7.61	3.25	0.14	0.00	0.00	372.57
SORADA	Pondakhol	RF	26	149.20	6.57	0.80	0.40	0.40	0.00	0.00	36.06
SORADA	Pondakhol	RF	27[a]	449.26	4.14	2.63	1.42	0.27	0.00	0.00	25.09

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Pondakhol	RF	28	419.35	11.06	4.44	0.67	0.19	0.00	0.00	130.14
SORADA	Pondakhol	RF	29[a]	578.64	10.92	4.08	0.69	0.07	0.07	0.00	123.82
SORADA	Pondakhol	RF	30	563.18	10.97	3.69	0.78	0.50	0.11	0.00	122.86
SORADA	Pondakhol	RF	31	475.59	9.71	5.30	2.19	0.34	0.00	0.00	120.49
SORADA	Pondakhol	RF	32	478.34	3.76	3.30	0.96	0.25	0.13	0.00	25.71
SORADA	Pondakhol	RF	33	346.47	7.91	2.94	1.10	0.06	0.12	0.00	64.62
SORADA	Pondakhol	RF	34	567.05	7.65	3.17	1.34	0.00	0.00	0.00	63.47
SORADA	Pondakhol	RF	35	456.52	2.45	1.31	0.74	0.00	0.18	0.00	7.89
SORADA	Pondakhol	RF	36[a]	286.58	3.14	1.33	0.28	0.07	0.00	0.00	9.12
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[a]	250.90	2.63	1.51	0.08	0.00	0.00	0.00	7.35
SORADA	Dhaugam	RF	2[a]	375.20	4.96	2.67	1.23	0.00	0.00	0.00	30.13
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pondakhol	RF	5[b]	100.82	6.94	1.98	0.00	0.00	0.00	0.00	43.46
SORADA	Pondakhol	RF	27[b]	245.62	18.73	7.33	0.41	0.00	0.00	0.00	381.14
SORADA	Pondakhol	RF	29[b]	198.50	19.65	14.11	8.56	0.00	0.00	0.00	651.63
SORADA	Pondakhol	RF	36[b]	301.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[b]	203.06	10.34	6.40	0.00	0.00	0.00	0.00	137.36
SORADA	Dhaugam	RF	2[b]	203.04	5.42	2.96	0.49	0.00	0.00	0.00	33.63
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pipalpanka	RF	1	441.76	0.91	0.68	0.45	0.23	0.23	0.00	3.15
SORADA	Pipalpanka	RF	2	553.13	1.99	0.72	0.54	0.00	0.00	0.00	4.00
SORADA	Pipalpanka	RF	3	606.03	0.33	0.17	0.00	0.00	0.00	0.00	1.03
SORADA	Pipalpanka	RF	4	558.20	0.72	0.00	0.00	0.00	0.00	0.00	0.86
SORADA	Pipalpanka	RF	5	600.22	0.33	0.17	0.00	0.00	0.00	0.00	1.03
SORADA	Pipalpanka	RF	6	637.06	1.10	0.63	0.00	0.00	0.00	0.00	1.60
					0.00	0.00	0.00	0.00	0.00	0.00	

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Mundapita	RF	1	627.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	2	553.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	3	610.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	4	476.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Hukuma	RF	1	692.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Hukuma	RF	2	531.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Hukuma	RF	3	522.48	1.91	0.00	0.00	0.00	0.00	0.00	1.99
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Bondhagocha	RF	1	613.64	1.96	0.65	0.49	0.16	0.49	0.00	4.96
SORADA	Bondhagocha	RF	2	693.69	1.73	0.58	0.43	0.14	0.43	0.00	4.02
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhepaguda	RF	1	334.78	6.57	3.58	2.09	1.19	0.60	0.00	61.61
SORADA	Dhepaguda	RF	2	493.00	3.45	1.62	0.81	0.41	0.81	0.20	16.28
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dabuki	RF	1	506.32	0.99	0.00	0.00	0.00	0.00	0.00	0.86
SORADA	Pankalagam	RF	1	265.59	0.75	0.38	0.00	0.00	0.00	0.00	1.07
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Budurung	RF	1	316.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Chamunda	RF	1	265.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kadapada	RF	1	677.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kumarsuni Vishnucha	RF	1	1081.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Binodia	RF	1	209.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Tangarai	RF	1	817.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Nagiri	RF	1	449.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Solundi	RF	1	362.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Jhollery	RF	1	914.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Sandasulia	RF	1	848.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BUGUDA	Panchabhuti-C	RF	1	198.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-B	RF	1	354.66	0.56	0.85	0.56	0.28	0.00	0.00	3.58
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kurchuli-A	RF	1	390.76	0.51	0.00	0.00	0.00	0.00	0.00	0.95
BUGUDA	Kurchuli-A	RF	2	646.22	0.31	0.46	0.31	0.15	0.00	0.00	2.07
BUGUDA	Kurchuli-A	RF	3	533.09	1.31	0.00	0.00	0.00	0.00	0.00	1.06
BUGUDA	Kurchuli-A	RF	4	662.32	0.30	0.00	0.00	0.00	0.00	0.00	1.14
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kriamba-Jadupadi	RF	1	432.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	2	639.53	0.16	0.00	0.00	0.00	0.00	0.00	1.31
BUGUDA	Kriamba-Jadupadi	RF	3	555.56	0.36	0.18	0.00	0.00	0.00	0.00	1.02
BUGUDA	Kriamba-Jadupadi	RF	4	959.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	5	714.56	1.68	0.00	0.00	0.00	0.00	0.00	1.54
BUGUDA	Kriamba-Jadupadi	RF	6	756.83	0.13	0.00	0.00	0.00	0.00	0.00	1.35
BUGUDA	Kriamba-Jadupadi	RF	7	858.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	8	498.73	2.61	0.40	0.00	0.00	0.00	0.00	4.22
BUGUDA	Kriamba-Jadupadi	RF	9	465.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	10	733.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	11	786.82	0.25	0.00	0.00	0.00	0.00	0.00	1.19
BUGUDA	Kriamba-Jadupadi	RF	12	443.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	13	876.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Panchabhuti-A	RF	1	609.28	0.98	0.00	0.00	0.00	0.00	0.00	0.86
BUGUDA	Panchabhuti-A	RF	2	282.83	5.30	0.00	0.00	0.00	0.00	0.00	20.74
BUGUDA	Panchabhuti-A	RF	3	529.89	0.19	0.00	0.00	0.00	0.00	0.00	1.27
BUGUDA	Panchabhuti-A	RF	4	368.28	0.27	0.00	0.00	0.00	0.00	0.00	1.17
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-I	DPF	1	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Kansa	DPF	1	181.53	2.75	0.00	0.00	0.00	0.00	0.00	4.50
ASKA	Badadanda	DPF	1	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chapudia	DPF	1	260.00	3.85	0.00	0.00	0.00	0.00	0.00	9.86
ASKA	Rasibadi	DPF	1	370.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Bhumi dimiripalli	PRF	1	15.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badua	PRF	1	80.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-II	DPF	1	355.00	1.69	0.56	0.28	0.00	0.00	0.00	2.45
ASKA	Malijhar-II	DPF	2	260.00	2.31	0.77	0.38	0.00	0.00	0.00	4.56
ASKA	Malijhar-II	DPF	3	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	4	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	5	345.00	2.61	0.00	0.00	0.00	0.00	0.00	3.96
ASKA	Malijhar-II	DPF	6	215.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Ambadaban	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	2	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	3	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Pakadi	DPF	1	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	2	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	3	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	4	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	5	220.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	6	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	7	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	8	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	9	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	10	110.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gadagada	DPF	1	190.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gadagada	DPF	2	155.00	0.65	0.00	0.00	0.00	0.00	0.00	0.88
ASKA	Gadagada	DPF	3	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Chemidi	DPF	1	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	2	115.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	3	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	4	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	5	70.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	6	230.00	2.17	0.00	0.00	0.00	0.00	0.00	2.61
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Machakhai	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Machakhai	DPF	2	165.00	1.21	0.00	0.00	0.00	0.00	0.00	0.98
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Hatimunda	DPF	1	175.00	2.86	0.00	0.00	0.00	0.00	0.00	4.90
ASKA	Hatimunda	DPF	2	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Hatimunda	DPF	3	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Suliaguda	DPF	1	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	2	195.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	3	235.00	2.98	0.00	0.00	0.00	0.00	0.00	5.40
ASKA	Suliaguda	DPF	4	180.00	4.44	0.00	0.00	0.00	0.00	0.00	13.81
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gouduni	PRF	1	142.33	7.03	0.00	0.00	0.00	0.00	0.00	39.07
ASKA	Gouduni	PRF	2	157.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Badagada-C	UDPF	1	340.00	3.82	0.00	0.00	0.00	0.00	0.00	9.73

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	2	305.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	3	165.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	4	315.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	5	310.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	6	275.00	3.64	3.64	0.00	0.00	0.00	0.00	24.78
ASKA	Badagada-C	UDPF	7	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	8	325.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	9	455.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	10	485.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	11	440.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	12	460.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	13	575.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	14	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	15	320.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	16	385.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	17	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	18	395.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	19	465.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	20	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	21	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	22	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	23	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	24	150.00	1.33	0.67	0.00	0.00	0.00	0.00	1.86
ASKA	Badagada-C	UDPF	25	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	26	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	27	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	28	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	29	210.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	30	240.00	2.08	0.00	0.00	0.00	0.00	0.00	2.38
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Kantakhhol	DPF	1	270.00	5.56	0.00	0.00	0.00	0.00	0.00	23.05
ASKA	Kantakhhol	DPF	2	120.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Pandaripada	DPF	1	185.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	2	415.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	3	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	4	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	5	360.00	0.56	0.00	0.00	0.00	0.00	0.00	0.93
POLOSARA	Pandaripada	DPF	6	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	7	440.00	0.45	0.23	0.00	0.00	0.00	0.00	1.00
POLOSARA	Pandaripada	DPF	8	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	9	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	10	305.00	0.33	0.00	0.00	0.00	0.00	0.00	1.11
POLOSARA	Pandaripada	DPF	11	510.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	12	495.00	2.42	0.00	0.00	0.00	0.00	0.00	3.34
POLOSARA	Pandaripada	DPF	13	170.00	0.59	0.00	0.00	0.00	0.00	0.00	0.91
POLOSARA	Pandaripada	DPF	14	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	15	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	16	565.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	17	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	18	365.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	19	330.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	20	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	21	110.00	11.82	1.82	0.00	0.00	0.00	0.00	125.93
POLOSARA	Pandaripada	DPF	22	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	23	250.00	0.80	1.20	0.80	0.40	0.00	0.00	5.50

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Pandaripada	DPF	24	270.00	0.74	0.00	0.00	0.00	0.00	0.00	0.85
POLOSARA	Pandaripada	DPF	25	280.00	0.71	1.07	0.71	0.36	0.00	0.00	4.75
POLOSARA	Pandaripada	DPF	26	270.00	0.74	0.00	0.00	0.00	0.00	0.00	0.85
POLOSARA	Pandaripada	DPF	27	325.00	2.15	0.00	0.00	0.00	0.00	0.00	2.56
POLOSARA	Pandaripada	DPF	28	500.00	3.00	0.00	0.00	0.00	0.00	0.00	5.50
POLOSARA	Pandaripada	DPF	29	375.00	4.00	0.00	0.00	0.00	0.00	0.00	10.81
POLOSARA	Pandaripada	DPF	30	225.00	2.67	0.00	0.00	0.00	0.00	0.00	4.17
POLOSARA	Pandaripada	DPF	31	200.00	7.50	0.00	0.00	0.00	0.00	0.00	45.16
POLOSARA	Pandaripada	DPF	32	260.00	0.38	0.00	0.00	0.00	0.00	0.00	1.05
POLOSARA	Pandaripada	DPF	33	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	34	335.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	35	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	36	475.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	37	385.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	38	125.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Bhalukhai	DPF	1	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Sodaka-A	DPF	1	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Sodaka-B	DPF	1	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Kakudia	DPF	1	85.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Jokalundi	PRF	1	390.00	0.00	2.05	1.03	0.00	0.26	0.00	8.69
POLOSARA	Paikajamuna	DPF	1	335.48	2.38	1.19	1.79	0.89	0.30	0.30	14.34
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Purunapani Daburia	PRF	1	320.00	5.00	0.94	1.25	0.00	0.00	0.00	22.86
POLOSARA	Purunapani Daburia	PRF	2	275.00	0.00	2.55	0.00	0.73	0.00	0.00	10.12
POLOSARA	Purunapani Daburia	PRF	3	345.00	3.77	0.00	0.00	0.00	0.00	0.00	9.40
POLOSARA	Purunapani Daburia	PRF	4	470.00	1.49	0.43	0.00	0.00	0.00	0.00	1.57
POLOSARA	Purunapani Daburia	PRF	5	325.00	0.00	0.00	0.00	3.69	1.23	0.00	23.79

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Purunapani Daburia	PRF	6	380.00	0.79	0.00	1.84	1.84	0.79	0.26	15.72
POLOSARA	Purunapani Daburia	PRF	7	240.00	4.17	2.92	3.75	5.42	0.42	0.42	82.29
POLOSARA	Purunapani Daburia	PRF	8	170.00	5.88	0.00	0.00	1.18	1.18	0.00	33.16
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Khaladimal	PRF	1	400.00	0.50	0.00	0.50	0.50	0.25	1.00	4.30
POLOSARA	Khaladimal	PRF	2	275.00	0.00	2.55	1.45	0.00	0.00	0.00	12.59
POLOSARA	Khaladimal	PRF	3	125.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Khaladimal	PRF	4	135.00	2.96	0.00	0.00	0.00	0.00	0.00	5.34
POLOSARA	Khaladimal	PRF	5	430.00	0.00	1.63	1.63	0.00	0.00	0.00	8.77
POLOSARA	Khaladimal	PRF	6	150.00	12.67	0.00	0.00	8.67	1.33	0.67	235.70
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-A	UDPF	1	205.00	11.22	1.95	0.00	0.00	0.00	0.00	113.77
BADAGADA	Badagada-A	UDPF	2	100.00	12.00	0.00	0.00	0.00	0.00	0.00	125.32
BADAGADA	Badagada-A	UDPF	3	395.00	3.04	0.25	0.00	0.00	0.00	0.00	5.70
BADAGADA	Badagada-A	UDPF	4	380.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	5	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	6	285.00	2.81	0.00	0.00	0.00	0.00	0.00	4.70
BADAGADA	Badagada-A	UDPF	7	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	8	355.00	2.25	0.00	0.00	0.00	0.00	0.00	2.83
BADAGADA	Badagada-A	UDPF	9	430.00	0.47	0.00	0.00	0.00	0.00	0.00	0.99
BADAGADA	Badagada-A	UDPF	10	220.00	2.27	0.00	0.00	0.00	0.00	0.00	2.89
BADAGADA	Badagada-A	UDPF	11	250.00	0.80	0.00	0.00	0.00	0.00	0.00	0.84
BADAGADA	Badagada-A	UDPF	12	375.00	0.53	0.00	0.00	0.00	0.00	0.00	0.94
BADAGADA	Badagada-A	UDPF	13	270.00	7.04	0.00	0.00	0.00	0.00	0.00	39.21
BADAGADA	Badagada-A	UDPF	14	355.00	3.38	0.00	0.00	0.00	0.00	0.00	7.28
BADAGADA	Badagada-A	UDPF	15	655.00	1.22	0.00	0.00	0.00	0.00	0.00	0.99
BADAGADA	Badagada-A	UDPF	16	530.00	1.51	0.38	0.00	0.00	0.00	0.00	1.51
BADAGADA	Badagada-A	UDPF	17	315.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Badagada-A	UDPF	18	435.00	1.38	0.00	0.00	0.00	0.00	0.00	1.13
BADAGADA	Badagada-A	UDPF	19	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	20	820.00	1.46	0.12	0.00	0.00	0.00	0.00	1.10
BADAGADA	Badagada-A	UDPF	21	535.00	4.30	0.75	0.00	0.00	0.00	0.00	13.75
BADAGADA	Badagada-A	UDPF	22	295.00	4.07	0.00	0.00	0.00	0.00	0.00	11.24
BADAGADA	Badagada-A	UDPF	23	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	24	260.00	3.46	0.00	0.00	0.00	0.00	0.00	7.70
BADAGADA	Badagada-A	UDPF	25	365.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-B	UDPF	1	540.00	1.30	0.00	0.00	0.00	0.00	0.00	1.05
BADAGADA	Badagada-B	UDPF	2	290.00	2.07	0.00	0.00	0.00	0.00	0.00	2.35
BADAGADA	Badagada-B	UDPF	3	465.00	1.72	0.43	0.00	0.00	0.00	0.00	1.93
BADAGADA	Badagada-B	UDPF	4	190.00	1.05	0.00	0.00	0.00	0.00	0.00	0.89
BADAGADA	Badagada-B	UDPF	5	205.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	6	555.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	7	670.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	8	460.00	2.61	0.00	0.00	0.00	0.00	0.00	3.96
BADAGADA	Badagada-B	UDPF	9	140.00	1.43	0.00	0.00	0.00	0.00	0.00	1.19
BADAGADA	Badagada-B	UDPF	10	190.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Goudagotha	DPF	1	237.50	2.95	0.00	0.00	0.00	0.00	0.00	5.27
BADAGADA	Goudagotha	DPF	2	240.00	2.50	0.00	0.00	0.00	0.00	0.00	3.59
BADAGADA	Goudagotha	DPF	3	265.00	3.02	0.75	0.00	0.00	0.00	0.00	6.56
BADAGADA	Goudagotha	DPF	4	430.00	0.47	0.00	0.00	0.00	0.00	0.00	0.99
BADAGADA	Goudagotha	DPF	5	512.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	6	442.50	1.81	0.45	0.00	0.00	0.00	0.00	2.12
BADAGADA	Goudagotha	DPF	7	380.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	8	280.00	3.21	0.00	0.00	0.00	0.00	0.00	6.47

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Goudagotha	DPF	9	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	10	370.00	6.22	1.08	0.00	0.00	0.00	0.00	31.57
BADAGADA	Goudagotha	DPF	11	332.50	3.61	0.00	0.00	0.00	0.00	0.00	8.49
BADAGADA	Goudagotha	DPF	12	370.00	3.24	0.27	0.00	0.00	0.00	0.00	6.67
BADAGADA	Goudagotha	DPF	13	330.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Merikote	DPF	1	599.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	2	435.50	1.84	0.00	0.00	0.00	0.00	0.00	1.83
BADAGADA	Merikote	DPF	3	555.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	4	498.00	0.40	0.00	0.00	0.00	0.00	0.00	1.04
BADAGADA	Merikote	DPF	5	463.00	1.08	0.00	0.00	0.00	0.00	0.00	0.90
BADAGADA	Merikote	DPF	6	560.50	0.36	0.00	0.00	0.00	0.00	0.00	1.08
BADAGADA	Merikote	DPF	7	408.00	0.49	0.00	0.00	0.00	0.00	0.00	0.97
BADAGADA	Merikote	DPF	8	435.50	4.36	0.00	0.00	0.00	0.00	0.00	13.23
BADAGADA	Merikote	DPF	9	503.00	2.39	0.00	0.00	0.00	0.00	0.00	3.22
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Raipada	RF	1	506.65	0.99	0.00	0.00	0.00	0.00	0.00	0.86
BADAGADA	Raipada	RF	2	554.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	3	489.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	4	527.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	5	719.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Srirampalli	PRF	1	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Mahisikhata	UDPF	1	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Mahisikhata	UDPF	2	328.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

Total Block Area:

111680.09

TOTAL: 547.38 168.24 70.45 38.38 12.18 4.20 840.84

MEAN: 1.84 0.57 0.24 0.13 0.04 0.01 2.83

STDEV: 2.95 1.38 0.70 0.65 0.16 0.08 5.92

Std. Error (mean): 0.17 0.08 0.04 0.04 0.01 0.00 0.34

All Blocks (Tree): 205830.70 63263.87 26492.02 14431.98 4580.89 1578.62 316178.08

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

MUNDI

SORADA	Pondakhol	RF	1	526.00	0.91	0.27	0.19	0.11	0.00	0.00	1.23
SORADA	Pondakhol	RF	2	332.90	1.44	0.42	0.30	0.18	0.00	0.00	2.92
SORADA	Pondakhol	RF	3	441.33	1.00	1.31	1.00	0.95	0.05	0.05	9.12
SORADA	Pondakhol	RF	4	229.51	1.66	2.35	0.78	0.52	0.00	0.00	13.25
SORADA	Pondakhol	RF	5[a]	383.66	1.67	1.46	0.52	0.31	0.05	0.05	7.66
SORADA	Pondakhol	RF	6	313.42	0.06	0.13	0.00	0.00	0.00	0.00	0.15
SORADA	Pondakhol	RF	7	378.14	1.69	1.32	0.53	0.21	0.05	0.05	6.97
SORADA	Pondakhol	RF	8	344.37	1.34	0.06	0.76	0.58	0.00	0.00	4.41
SORADA	Pondakhol	RF	9	419.68	0.05	0.05	0.00	0.00	0.00	0.00	0.05
SORADA	Pondakhol	RF	10	240.38	5.91	1.08	0.33	0.00	0.00	0.00	35.31
SORADA	Pondakhol	RF	11	487.22	3.20	1.35	0.82	0.29	0.04	0.00	14.83
SORADA	Pondakhol	RF	12	334.67	2.75	2.21	0.78	0.60	0.00	0.00	16.98
SORADA	Pondakhol	RF	13	567.05	1.98	0.81	0.07	0.00	0.00	0.00	4.64
SORADA	Pondakhol	RF	14	618.00	6.67	5.60	1.17	0.10	0.00	0.00	82.56
SORADA	Pondakhol	RF	15	397.54	3.22	1.41	0.50	0.10	0.05	0.00	13.78
SORADA	Pondakhol	RF	16	596.30	6.91	4.23	1.14	0.47	0.00	0.03	71.57
SORADA	Pondakhol	RF	17	340.33	8.70	6.82	3.82	0.88	0.12	0.06	149.71
SORADA	Pondakhol	RF	18	569.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	19	282.80	4.46	1.70	0.85	0.00	0.07	0.00	24.92
SORADA	Pondakhol	RF	20	465.08	3.23	1.03	0.17	0.00	0.00	0.00	11.45
SORADA	Pondakhol	RF	21	294.44	2.92	1.56	0.34	0.20	0.00	0.00	12.42
SORADA	Pondakhol	RF	22	321.75	2.18	0.93	0.56	0.12	0.00	0.00	7.07
SORADA	Pondakhol	RF	23	520.35	2.58	1.92	0.58	0.15	0.00	0.00	12.83
SORADA	Pondakhol	RF	24	175.17	5.25	2.97	0.23	0.00	0.00	0.00	37.79
SORADA	Pondakhol	RF	25	288.94	4.22	1.66	0.00	0.00	0.00	0.00	20.64
SORADA	Pondakhol	RF	26	149.20	10.72	3.75	0.00	0.00	0.00	0.00	128.67
SORADA	Pondakhol	RF	27[a]	449.26	2.80	2.05	1.34	0.27	0.00	0.00	17.63

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Pondakhhol	RF	28	419.35	5.53	2.19	0.10	0.00	0.00	0.00	35.55
SORADA	Pondakhhol	RF	29[a]	578.64	8.26	2.94	0.07	0.00	0.00	0.00	76.61
SORADA	Pondakhhol	RF	30	563.18	2.17	0.32	0.07	0.00	0.00	0.00	4.24
SORADA	Pondakhhol	RF	31	475.59	5.97	3.95	0.97	0.08	0.00	0.00	55.73
SORADA	Pondakhhol	RF	32	478.34	3.72	2.43	0.42	0.00	0.00	0.00	21.63
SORADA	Pondakhhol	RF	33	346.47	3.52	1.96	1.56	1.33	0.81	0.12	28.47
SORADA	Pondakhhol	RF	34	567.05	6.10	4.51	0.88	0.04	0.04	0.00	62.28
SORADA	Pondakhhol	RF	35	456.52	3.81	3.81	1.45	0.79	0.13	0.00	38.45
SORADA	Pondakhhol	RF	36[a]	286.58	2.02	0.98	0.14	0.00	0.00	0.07	5.50
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[a]	250.90	3.83	1.36	0.24	0.00	0.00	0.00	16.71
SORADA	Dhaugam	RF	2[a]	375.20	4.90	3.09	1.17	0.11	0.00	0.00	38.39
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pondakhhol	RF	5[b]	100.82	11.90	2.98	1.98	0.99	0.00	0.00	158.74
SORADA	Pondakhhol	RF	27[b]	245.62	6.92	6.51	0.00	0.00	0.00	0.00	94.65
SORADA	Pondakhhol	RF	29[b]	198.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	36[b]	301.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[b]	203.06	14.28	6.40	1.48	0.00	0.00	0.00	250.56
SORADA	Dhaugam	RF	2[b]	203.04	8.87	1.97	0.00	0.00	0.00	0.00	80.86
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pipalpanka	RF	1	441.76	1.58	0.91	0.45	0.68	0.45	0.00	7.29
SORADA	Pipalpanka	RF	2	553.13	1.27	0.72	0.36	0.00	0.00	0.00	3.04
SORADA	Pipalpanka	RF	3	606.03	0.50	0.33	0.17	0.17	0.00	0.00	0.99
SORADA	Pipalpanka	RF	4	558.20	0.72	0.36	0.36	0.36	0.00	0.00	2.11
SORADA	Pipalpanka	RF	5	600.22	0.67	0.33	0.00	0.00	0.00	0.00	0.66
SORADA	Pipalpanka	RF	6	637.06	1.41	0.63	0.31	0.00	0.00	0.00	3.02
					0.00	0.00	0.00	0.00	0.00	0.00	

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Mundapita	RF	1	627.36	0.96	0.00	0.00	0.00	0.00	0.00	0.76
SORADA	Mundapita	RF	2	553.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	3	610.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	4	476.29	2.73	0.00	0.00	0.00	0.00	0.00	6.53
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Hukuma	RF	1	692.91	1.01	0.00	0.00	0.00	0.00	0.00	0.85
SORADA	Hukuma	RF	2	531.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Hukuma	RF	3	522.48	0.96	0.00	0.00	0.00	0.00	0.00	0.77
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Bondhagocha	RF	1	613.64	4.73	1.96	0.98	0.33	0.49	0.00	30.69
SORADA	Bondhagocha	RF	2	693.69	4.18	1.73	0.86	0.29	0.43	0.00	24.32
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhepaguda	RF	1	334.78	3.88	2.09	0.90	0.00	0.00	0.00	22.36
SORADA	Dhepaguda	RF	2	493.00	3.45	1.22	0.81	0.61	0.20	0.00	17.07
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dabuki	RF	1	506.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pankalagam	RF	1	265.59	1.51	0.75	0.00	0.00	0.00	0.00	3.04
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Budurung	RF	1	316.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Chamunda	RF	1	265.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kadapada	RF	1	677.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kumarsuni Vishnucha	RF	1	1081.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Binodia	RF	1	209.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Tangarai	RF	1	817.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Nagiri	RF	1	449.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Solundi	RF	1	362.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Jhollery	RF	1	914.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Sandasulia	RF	1	848.34	4.01	0.00	0.00	0.00	0.00	0.00	14.59

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BUGUDA	Panchabhuti-C	RF	1	198.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-B	RF	1	354.66	0.28	0.00	0.28	0.28	0.00	0.00	1.21
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kurchuli-A	RF	1	390.76	0.00	0.00	0.26	0.00	0.00	0.00	0.39
BUGUDA	Kurchuli-A	RF	2	646.22	0.15	0.00	0.00	0.15	0.00	0.00	0.47
BUGUDA	Kurchuli-A	RF	3	533.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	4	662.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kriamba-Jadupadi	RF	1	432.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	2	639.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	3	555.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	4	959.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	5	714.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	6	756.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	7	858.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	8	498.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	9	465.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	10	733.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	11	786.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	12	443.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	13	876.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Panchabhuti-A	RF	1	609.28	1.15	0.16	0.00	0.00	0.00	0.00	1.05
BUGUDA	Panchabhuti-A	RF	2	282.83	3.18	0.00	0.00	0.00	0.00	0.00	9.01
BUGUDA	Panchabhuti-A	RF	3	529.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Panchabhuti-A	RF	4	368.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-I	DPF	1	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Kansa	DPF	1	181.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badadanda	DPF	1	50.00	6.00	0.00	0.00	0.00	0.00	0.00	33.67
ASKA	Chapudia	DPF	1	260.00	1.15	0.00	0.00	0.00	0.00	0.00	1.10
ASKA	Rasibadi	DPF	1	370.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Bhumi dimiripalli	PRF	1	15.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badua	PRF	1	80.00	5.00	0.00	0.00	0.00	0.00	0.00	23.10
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-II	DPF	1	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	2	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	3	300.00	2.33	1.00	0.00	0.00	0.00	0.00	6.57
ASKA	Malijhar-II	DPF	4	260.00	2.69	0.00	0.00	0.00	0.00	0.00	6.35
ASKA	Malijhar-II	DPF	5	345.00	1.16	0.00	0.00	0.00	0.00	0.00	1.11
ASKA	Malijhar-II	DPF	6	215.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Ambadaban	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	2	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	3	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Pakadi	DPF	1	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	2	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	3	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	4	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	5	220.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	6	270.00	0.74	0.00	0.00	0.00	0.00	0.00	0.49
ASKA	Pakadi	DPF	7	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	8	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	9	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	10	110.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gadagada	DPF	1	190.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gadagada	DPF	2	155.00	1.94	0.00	0.00	0.00	0.00	0.00	3.17
ASKA	Gadagada	DPF	3	130.00	0.77	0.00	0.00	0.00	0.00	0.00	0.52
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Chemidi	DPF	1	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	2	115.00	4.35	0.87	0.00	0.00	0.00	0.00	18.77
ASKA	Chemidi	DPF	3	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	4	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	5	70.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	6	230.00	2.17	0.00	0.00	0.00	0.00	0.00	4.05
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Machakhai	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Machakhai	DPF	2	165.00	0.61	0.00	0.00	0.00	0.00	0.00	0.37
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Hatimunda	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Hatimunda	DPF	2	180.00	3.89	0.00	0.00	0.00	0.00	0.00	13.71
ASKA	Hatimunda	DPF	3	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Suliaguda	DPF	1	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	2	195.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	3	235.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	4	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gouduni	PRF	1	142.33	3.51	0.00	0.00	0.00	0.00	0.00	11.09
ASKA	Gouduni	PRF	2	157.00	3.82	0.00	0.00	0.00	0.00	0.00	13.22
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Badagada-C	UDPF	1	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	2	305.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	3	165.00	2.42	0.00	0.00	0.00	0.00	0.00	5.09
ASKA	Badagada-C	UDPF	4	315.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	5	310.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	6	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	7	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	8	325.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	9	455.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	10	485.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	11	440.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	12	460.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	13	575.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	14	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	15	320.00	3.75	0.00	0.00	0.00	0.00	0.00	12.71
ASKA	Badagada-C	UDPF	16	385.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	17	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	18	395.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	19	465.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	20	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	21	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	22	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	23	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	24	150.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	25	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	26	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	27	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	28	200.00	6.50	0.00	0.00	0.00	0.00	0.00	39.71
ASKA	Badagada-C	UDPF	29	210.00	5.71	0.00	0.00	0.00	0.00	0.00	30.45

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	30	240.00	3.33	0.00	0.00	0.00	0.00	0.00	9.93
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Kantakhhol	DPF	1	270.00	1.85	0.00	0.00	0.00	0.00	0.00	2.89
ASKA	Kantakhhol	DPF	2	120.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Pandaripada	DPF	1	185.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	2	415.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	3	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	4	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	5	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	6	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	7	440.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	8	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	9	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	10	305.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	11	510.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	12	495.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	13	170.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	14	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	15	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	16	565.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	17	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	18	365.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	19	330.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	20	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	21	110.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	22	470.00	0.00	0.00	0.21	0.00	0.00	0.00	0.29
POLOSARA	Pandaripada	DPF	23	250.00	0.40	0.00	0.00	0.40	0.00	0.00	1.10

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Pandaripada	DPF	24	270.00	0.00	0.00	0.37	0.00	0.00	0.00	0.66
POLOSARA	Pandaripada	DPF	25	280.00	0.36	0.00	0.00	0.36	0.00	0.00	0.97
POLOSARA	Pandaripada	DPF	26	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	27	325.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	28	500.00	1.80	0.00	0.00	0.00	0.00	0.00	2.73
POLOSARA	Pandaripada	DPF	29	375.00	2.40	0.00	0.00	0.00	0.00	0.00	4.99
POLOSARA	Pandaripada	DPF	30	225.00	3.11	0.44	0.00	0.00	0.00	0.00	9.05
POLOSARA	Pandaripada	DPF	31	200.00	4.50	0.00	0.00	0.00	0.00	0.00	18.57
POLOSARA	Pandaripada	DPF	32	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	33	355.00	9.58	0.00	0.00	0.00	0.00	0.00	87.85
POLOSARA	Pandaripada	DPF	34	335.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	35	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	36	475.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	37	385.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	38	125.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Bhalukhai	DPF	1	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Sodaka-A	DPF	1	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Sodaka-B	DPF	1	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Kakudia	DPF	1	85.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Jokalundi	PRF	1	390.00	5.90	5.90	0.00	0.00	0.26	0.00	74.18
POLOSARA	Paikajamuna	DPF	1	335.48	1.19	0.00	0.00	0.00	0.00	0.00	1.17
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Purunapani Daburia	PRF	1	320.00	0.00	1.88	0.00	0.00	0.00	0.00	5.37
POLOSARA	Purunapani Daburia	PRF	2	275.00	0.00	0.36	0.00	1.09	0.00	0.00	3.46
POLOSARA	Purunapani Daburia	PRF	3	345.00	0.87	0.00	0.58	0.00	0.00	0.00	1.86
POLOSARA	Purunapani Daburia	PRF	4	470.00	0.21	1.06	0.00	0.00	0.00	0.00	2.29
POLOSARA	Purunapani Daburia	PRF	5	325.00	0.00	0.00	0.00	1.54	0.00	0.31	5.49

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Purunapani Daburia	PRF	6	380.00	1.58	2.63	3.42	1.84	0.00	0.00	35.95
POLOSARA	Purunapani Daburia	PRF	7	240.00	1.25	1.67	0.00	0.00	0.00	0.00	5.68
POLOSARA	Purunapani Daburia	PRF	8	170.00	2.94	0.00	0.00	1.76	0.00	0.59	14.58
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Khaladimal	PRF	1	400.00	0.00	0.00	0.25	0.25	0.00	0.00	0.84
POLOSARA	Khaladimal	PRF	2	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Khaladimal	PRF	3	125.00	0.00	6.40	3.20	0.00	0.80	0.00	65.71
POLOSARA	Khaladimal	PRF	4	135.00	2.22	3.70	0.00	0.00	0.00	0.00	21.85
POLOSARA	Khaladimal	PRF	5	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Khaladimal	PRF	6	150.00	20.67	0.00	0.00	0.00	0.00	0.00	418.45
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-A	UDPF	1	205.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	2	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	3	395.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	4	380.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	5	345.00	0.29	0.00	0.00	0.00	0.00	0.00	0.22
BADAGADA	Badagada-A	UDPF	6	285.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	7	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	8	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	9	430.00	0.93	0.00	0.00	0.00	0.00	0.00	0.73
BADAGADA	Badagada-A	UDPF	10	220.00	0.91	0.00	0.00	0.00	0.00	0.00	0.70
BADAGADA	Badagada-A	UDPF	11	250.00	2.40	0.00	0.00	0.00	0.00	0.00	4.99
BADAGADA	Badagada-A	UDPF	12	375.00	1.60	0.00	0.00	0.00	0.00	0.00	2.13
BADAGADA	Badagada-A	UDPF	13	270.00	1.11	0.00	0.00	0.00	0.00	0.00	1.02
BADAGADA	Badagada-A	UDPF	14	355.00	2.25	0.00	0.00	0.00	0.00	0.00	4.37
BADAGADA	Badagada-A	UDPF	15	655.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	16	530.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	17	315.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Badagada-A	UDPF	18	435.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	19	345.00	0.29	0.00	0.00	0.00	0.00	0.00	0.22
BADAGADA	Badagada-A	UDPF	20	820.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	21	535.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	22	295.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	23	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	24	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	25	365.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-B	UDPF	1	540.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	2	290.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	3	465.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	4	190.00	1.58	0.00	0.00	0.00	0.00	0.00	2.07
BADAGADA	Badagada-B	UDPF	5	205.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	6	555.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	7	670.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	8	460.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	9	140.00	2.14	0.00	0.00	0.00	0.00	0.00	3.93
BADAGADA	Badagada-B	UDPF	10	190.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Goudagotha	DPF	1	237.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	2	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	3	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	4	430.00	0.70	0.00	0.00	0.00	0.00	0.00	0.45
BADAGADA	Goudagotha	DPF	5	512.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	6	442.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	7	380.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	8	280.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Goudagotha	DPF	9	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	10	370.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	11	332.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	12	370.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	13	330.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Merikote	DPF	1	599.24	0.17	0.00	0.00	0.00	0.00	0.00	0.22
BADAGADA	Merikote	DPF	2	435.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	3	555.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	4	498.00	0.80	0.00	0.00	0.00	0.00	0.00	0.56
BADAGADA	Merikote	DPF	5	463.00	0.43	0.00	0.00	0.00	0.00	0.00	0.26
BADAGADA	Merikote	DPF	6	560.50	1.07	0.00	0.00	0.00	0.00	0.00	0.95
BADAGADA	Merikote	DPF	7	408.00	1.47	0.00	0.00	0.00	0.00	0.00	1.79
BADAGADA	Merikote	DPF	8	435.50	0.69	0.00	0.00	0.00	0.00	0.00	0.44
BADAGADA	Merikote	DPF	9	503.00	1.59	0.00	0.00	0.00	0.00	0.00	2.11
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Raipada	RF	1	506.65	0.39	0.00	0.00	0.00	0.00	0.00	0.25
BADAGADA	Raipada	RF	2	554.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	3	489.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	4	527.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	5	719.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Srirampalli	PRF	1	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Mahisikhata	UDPF	1	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Mahisikhata	UDPF	2	328.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

Total Block Area:

111680.09

TOTAL: 361.13 130.96 41.06 19.50 4.04 1.32 558.01

MEAN: 1.22 0.44 0.14 0.07 0.01 0.00 1.88

STDEV: 2.26 1.10 0.43 0.23 0.08 0.04 4.14

Std. Error (mean): 0.13 0.06 0.03 0.01 0.00 0.00 0.24

All Blocks (Tree): 135793.81 49245.66 15439.55 7330.99 1518.45 497.79 209826.25

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

KASHI

SORADA	Pondakhol	RF	1	526.00	0.27	0.00	0.04	0.00	0.00	0.00	5.83
SORADA	Pondakhol	RF	2	332.90	0.42	0.00	0.06	0.00	0.00	0.00	5.30
SORADA	Pondakhol	RF	3	441.33	1.86	1.04	0.86	0.23	0.18	0.00	6.85
SORADA	Pondakhol	RF	4	229.51	3.40	3.40	1.48	1.39	0.35	0.00	27.46
SORADA	Pondakhol	RF	5[a]	383.66	0.36	0.26	0.21	0.05	0.10	0.00	6.07
SORADA	Pondakhol	RF	6	313.42	0.70	1.66	0.64	0.13	0.06	0.00	9.83
SORADA	Pondakhol	RF	7	378.14	0.37	0.26	0.21	0.05	0.11	0.00	6.07
SORADA	Pondakhol	RF	8	344.37	0.00	0.29	0.00	0.23	0.00	0.00	0.54
SORADA	Pondakhol	RF	9	419.68	0.33	0.29	0.14	0.00	0.00	0.00	5.83
SORADA	Pondakhol	RF	10	240.38	1.41	0.92	0.58	0.00	0.00	0.00	5.30
SORADA	Pondakhol	RF	11	487.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	12	334.67	0.00	0.30	0.00	0.24	0.00	0.00	0.57
SORADA	Pondakhol	RF	13	567.05	1.09	0.71	0.18	0.07	0.00	0.00	4.50
SORADA	Pondakhol	RF	14	618.00	4.50	3.01	0.61	0.19	0.00	0.00	20.24
SORADA	Pondakhol	RF	15	397.54	2.31	2.01	0.80	0.05	0.00	0.00	9.49
SORADA	Pondakhol	RF	16	596.30	1.78	1.04	0.20	0.03	0.03	0.00	4.29
SORADA	Pondakhol	RF	17	340.33	3.47	2.00	1.70	0.00	0.00	0.00	14.83
SORADA	Pondakhol	RF	18	569.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	19	282.80	3.75	2.62	0.71	0.14	0.00	0.00	15.01
SORADA	Pondakhol	RF	20	465.08	2.84	3.48	0.69	0.13	0.04	0.00	18.84
SORADA	Pondakhol	RF	21	294.44	1.56	1.43	0.27	0.00	0.00	0.00	5.83
SORADA	Pondakhol	RF	22	321.75	1.68	1.37	0.31	0.00	0.00	0.00	5.59
SORADA	Pondakhol	RF	23	520.35	0.81	0.23	0.15	0.04	0.00	0.00	4.31
SORADA	Pondakhol	RF	24	175.17	1.37	0.46	0.00	0.00	0.00	0.00	3.15
SORADA	Pondakhol	RF	25	288.94	2.84	1.80	0.21	0.00	0.00	0.00	7.20
SORADA	Pondakhol	RF	26	149.20	1.61	1.07	0.13	0.00	0.00	0.00	4.34
SORADA	Pondakhol	RF	27[a]	449.26	3.52	1.47	0.53	0.00	0.00	0.00	8.06

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Pondakhhol	RF	28	419.35	2.15	0.29	0.00	0.00	0.00	0.00	2.24
SORADA	Pondakhhol	RF	29[a]	578.64	2.66	2.00	0.21	0.00	0.00	0.00	7.92
SORADA	Pondakhhol	RF	30	563.18	1.49	0.67	0.18	0.00	0.00	0.00	3.61
SORADA	Pondakhhol	RF	31	475.59	4.84	3.20	0.59	0.00	0.00	0.00	22.74
SORADA	Pondakhhol	RF	32	478.34	3.60	2.59	0.38	0.04	0.00	0.00	13.26
SORADA	Pondakhhol	RF	33	346.47	2.94	1.96	0.69	0.00	0.00	0.00	9.37
SORADA	Pondakhhol	RF	34	567.05	5.22	3.07	0.49	0.00	0.00	0.00	23.77
SORADA	Pondakhhol	RF	35	456.52	1.36	0.13	0.00	0.04	0.09	0.00	2.94
SORADA	Pondakhhol	RF	36[a]	286.58	1.05	0.84	0.00	0.00	0.00	0.00	4.54
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[a]	250.90	6.14	2.47	0.16	0.00	0.08	0.08	25.84
SORADA	Dhaugam	RF	2[a]	375.20	4.48	2.99	0.80	0.00	0.00	0.00	20.19
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pondakhhol	RF	5[b]	100.82	6.94	1.98	0.00	0.00	0.00	0.00	29.94
SORADA	Pondakhhol	RF	27[b]	245.62	4.48	1.22	0.41	0.00	0.00	0.00	10.36
SORADA	Pondakhhol	RF	29[b]	198.50	6.55	4.53	0.00	0.00	0.00	0.00	44.75
SORADA	Pondakhhol	RF	36[b]	301.19	3.98	0.66	0.00	0.00	0.00	0.00	6.11
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[b]	203.06	31.03	11.33	0.00	0.49	0.49	0.00	972.37
SORADA	Dhaugam	RF	2[b]	203.04	6.90	3.94	0.99	0.00	0.49	0.49	46.70
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pipalpanka	RF	1	441.76	0.91	0.68	0.68	0.00	0.23	0.00	6.53
SORADA	Pipalpanka	RF	2	553.13	1.63	0.54	0.72	0.00	0.00	0.00	4.65
SORADA	Pipalpanka	RF	3	606.03	0.66	0.50	0.17	0.00	0.00	0.00	5.09
SORADA	Pipalpanka	RF	4	558.20	1.07	0.72	0.18	0.00	0.00	0.00	4.45
SORADA	Pipalpanka	RF	5	600.22	0.67	0.33	0.00	0.00	0.00	0.00	4.60
SORADA	Pipalpanka	RF	6	637.06	1.88	0.94	0.63	0.00	0.00	0.00	5.00
					0.00	0.00	0.00	0.00	0.00	0.00	

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Mundapita	RF	1	627.36	0.48	0.00	0.00	0.00	0.00	0.00	5.09
SORADA	Mundapita	RF	2	553.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	3	610.52	1.64	0.33	0.00	0.00	0.00	0.00	2.59
SORADA	Mundapita	RF	4	476.29	2.52	0.21	0.00	0.00	0.00	0.00	2.26
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Hukuma	RF	1	692.91	2.45	0.58	0.14	0.00	0.00	0.00	2.94
SORADA	Hukuma	RF	2	531.01	0.94	0.00	0.00	0.00	0.00	0.00	3.72
SORADA	Hukuma	RF	3	522.48	1.34	0.19	0.00	0.00	0.00	0.00	2.84
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Bondhagocha	RF	1	613.64	3.75	1.96	0.98	0.00	0.00	0.00	12.19
SORADA	Bondhagocha	RF	2	693.69	3.32	1.73	0.86	0.00	0.00	0.00	9.63
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhepaguda	RF	1	334.78	5.08	0.90	1.19	0.90	0.60	0.00	19.19
SORADA	Dhepaguda	RF	2	493.00	2.43	0.41	0.00	0.00	0.00	0.00	2.47
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dabuki	RF	1	506.32	1.38	0.00	0.00	0.00	0.00	0.00	2.82
SORADA	Pankalagam	RF	1	265.59	1.51	0.75	0.00	0.00	0.00	0.00	3.51
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Budurung	RF	1	316.11	12.02	0.00	0.00	0.00	0.00	0.00	98.97
BUGUDA	Chamunda	RF	1	265.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kadapada	RF	1	677.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kumarsuni Vishnucha	RF	1	1081.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Binodia	RF	1	209.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Tangarai	RF	1	817.49	4.65	0.00	0.00	0.00	0.00	0.00	8.26
BUGUDA	Nagiri	RF	1	449.55	4.23	0.22	0.22	0.00	0.00	0.00	6.68
BUGUDA	Solundi	RF	1	362.75	9.37	3.31	0.00	0.00	0.00	0.00	66.91
BUGUDA	Jhollery	RF	1	914.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Sandasulia	RF	1	848.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BUGUDA	Panchabhuti-C	RF	1	198.38	4.54	0.00	0.00	0.00	0.00	0.00	7.72
BUGUDA	Kurchuli-B	RF	1	354.66	0.00	0.28	0.56	0.56	0.00	0.00	2.66
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kurchuli-A	RF	1	390.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	2	646.22	0.00	0.15	0.31	0.31	0.00	0.00	1.12
BUGUDA	Kurchuli-A	RF	3	533.09	5.25	1.31	0.00	0.00	0.00	0.00	14.02
BUGUDA	Kurchuli-A	RF	4	662.32	2.26	0.30	0.00	0.00	0.00	0.00	2.27
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kriamba-Jadupadi	RF	1	432.88	0.69	0.00	0.00	0.00	0.00	0.00	4.40
BUGUDA	Kriamba-Jadupadi	RF	2	639.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	3	555.56	1.98	0.36	0.00	0.00	0.00	0.00	2.38
BUGUDA	Kriamba-Jadupadi	RF	4	959.71	0.94	0.00	0.00	0.00	0.00	0.00	3.73
BUGUDA	Kriamba-Jadupadi	RF	5	714.56	2.52	0.00	0.00	0.00	0.00	0.00	2.30
BUGUDA	Kriamba-Jadupadi	RF	6	756.83	3.57	0.13	0.00	0.13	0.00	0.00	4.23
BUGUDA	Kriamba-Jadupadi	RF	7	858.22	6.18	1.51	0.12	0.00	0.00	0.00	21.37
BUGUDA	Kriamba-Jadupadi	RF	8	498.73	25.26	5.81	0.40	0.00	0.00	0.00	573.35
BUGUDA	Kriamba-Jadupadi	RF	9	465.24	15.48	0.86	0.00	0.00	0.00	0.00	179.99
BUGUDA	Kriamba-Jadupadi	RF	10	733.69	0.14	0.00	0.00	0.00	0.00	0.00	6.37
BUGUDA	Kriamba-Jadupadi	RF	11	786.82	0.13	0.00	0.00	0.00	0.00	0.00	6.41
BUGUDA	Kriamba-Jadupadi	RF	12	443.23	0.23	0.00	0.00	0.00	0.00	0.00	6.02
BUGUDA	Kriamba-Jadupadi	RF	13	876.22	10.50	3.99	0.00	0.00	0.00	0.00	89.88
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Panchabhuti-A	RF	1	609.28	0.82	0.33	0.00	0.00	0.00	0.00	4.15
BUGUDA	Panchabhuti-A	RF	2	282.83	4.24	0.71	0.00	0.00	0.00	0.00	7.19
BUGUDA	Panchabhuti-A	RF	3	529.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Panchabhuti-A	RF	4	368.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-I	DPF	1	410.00	0.73	0.24	0.00	0.00	0.00	0.00	4.29

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Kansa	DPF	1	181.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badadanda	DPF	1	50.00	16.00	4.00	0.00	0.00	0.00	0.00	211.67
ASKA	Chapudia	DPF	1	260.00	2.69	0.00	0.00	0.00	0.00	0.00	2.44
ASKA	Rasibadi	DPF	1	370.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Bhumi dimiripalli	PRF	1	15.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badua	PRF	1	80.00	5.00	0.00	0.00	0.00	0.00	0.00	10.12
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-II	DPF	1	355.00	1.41	0.56	0.00	0.00	0.00	0.00	3.27
ASKA	Malijhar-II	DPF	2	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	3	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	4	260.00	3.08	0.00	0.00	0.00	0.00	0.00	2.98
ASKA	Malijhar-II	DPF	5	345.00	1.74	0.00	0.00	0.00	0.00	0.00	2.38
ASKA	Malijhar-II	DPF	6	215.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Ambadaban	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	2	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	3	140.00	1.43	0.00	0.00	0.00	0.00	0.00	2.75
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Pakadi	DPF	1	250.00	0.80	0.00	0.00	0.00	0.00	0.00	4.10
ASKA	Pakadi	DPF	2	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	3	140.00	2.14	0.00	0.00	0.00	0.00	0.00	2.18
ASKA	Pakadi	DPF	4	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	5	220.00	0.91	0.00	0.00	0.00	0.00	0.00	3.81
ASKA	Pakadi	DPF	6	270.00	0.74	0.00	0.00	0.00	0.00	0.00	4.26
ASKA	Pakadi	DPF	7	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	8	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	9	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	10	110.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gadagada	DPF	1	190.00	1.05	0.00	0.00	0.00	0.00	0.00	3.46
ASKA	Gadagada	DPF	2	155.00	1.94	0.00	0.00	0.00	0.00	0.00	2.24
ASKA	Gadagada	DPF	3	130.00	1.54	0.00	0.00	0.00	0.00	0.00	2.60
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Chemidi	DPF	1	345.00	2.32	0.00	0.00	0.00	0.00	0.00	2.20
ASKA	Chemidi	DPF	2	115.00	9.57	0.00	0.00	0.00	0.00	0.00	56.68
ASKA	Chemidi	DPF	3	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	4	180.00	2.78	0.00	0.00	0.00	0.00	0.00	2.54
ASKA	Chemidi	DPF	5	70.00	8.57	0.00	0.00	0.00	0.00	0.00	42.99
ASKA	Chemidi	DPF	6	230.00	1.74	0.00	0.00	0.00	0.00	0.00	2.38
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Machakhai	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Machakhai	DPF	2	165.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Hatimunda	DPF	1	175.00	4.00	0.00	0.00	0.00	0.00	0.00	5.48
ASKA	Hatimunda	DPF	2	180.00	9.44	2.22	0.56	0.00	0.00	0.00	62.37
ASKA	Hatimunda	DPF	3	90.00	5.56	0.00	0.00	0.00	0.00	0.00	13.56
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Suliaguda	DPF	1	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	2	195.00	1.54	0.00	0.00	0.00	0.00	0.00	2.60
ASKA	Suliaguda	DPF	3	235.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	4	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gouduni	PRF	1	142.33	4.92	0.70	0.00	0.00	0.00	0.00	10.42
ASKA	Gouduni	PRF	2	157.00	1.91	0.00	0.00	0.00	0.00	0.00	2.26
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Badagada-C	UDPF	1	340.00	2.35	0.29	0.00	0.00	0.00	0.00	2.28

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	2	305.00	7.21	0.00	0.00	0.00	0.00	0.00	27.48
ASKA	Badagada-C	UDPF	3	165.00	7.88	1.21	0.00	0.00	0.00	0.00	36.71
ASKA	Badagada-C	UDPF	4	315.00	5.71	0.00	0.00	0.00	0.00	0.00	14.65
ASKA	Badagada-C	UDPF	5	310.00	4.19	0.65	0.00	0.00	0.00	0.00	6.87
ASKA	Badagada-C	UDPF	6	275.00	3.64	0.00	0.00	0.00	0.00	0.00	4.29
ASKA	Badagada-C	UDPF	7	700.00	2.57	0.00	0.00	0.00	0.00	0.00	2.33
ASKA	Badagada-C	UDPF	8	325.00	2.15	0.92	0.00	0.00	0.00	0.00	3.46
ASKA	Badagada-C	UDPF	9	455.00	4.84	0.00	0.00	0.00	0.00	0.00	9.22
ASKA	Badagada-C	UDPF	10	485.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	11	440.00	3.41	1.14	0.00	0.00	0.00	0.00	5.55
ASKA	Badagada-C	UDPF	12	460.00	3.26	0.00	0.00	0.00	0.00	0.00	3.34
ASKA	Badagada-C	UDPF	13	575.00	3.48	0.00	0.00	0.00	0.00	0.00	3.86
ASKA	Badagada-C	UDPF	14	340.00	5.29	0.29	0.00	0.00	0.00	0.00	11.93
ASKA	Badagada-C	UDPF	15	320.00	2.81	0.00	0.00	0.00	0.00	0.00	2.58
ASKA	Badagada-C	UDPF	16	385.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	17	390.00	2.82	0.00	0.00	0.00	0.00	0.00	2.59
ASKA	Badagada-C	UDPF	18	395.00	4.05	0.00	0.00	0.00	0.00	0.00	5.67
ASKA	Badagada-C	UDPF	19	465.00	3.66	0.22	0.00	0.00	0.00	0.00	4.32
ASKA	Badagada-C	UDPF	20	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	21	390.00	2.56	0.51	0.00	0.00	0.00	0.00	2.72
ASKA	Badagada-C	UDPF	22	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	23	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	24	150.00	0.67	0.00	0.00	0.00	0.00	0.00	4.48
ASKA	Badagada-C	UDPF	25	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	26	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	27	355.00	3.66	0.28	0.00	0.00	0.00	0.00	4.42
ASKA	Badagada-C	UDPF	28	200.00	6.00	0.50	0.00	0.00	0.00	0.00	17.12
ASKA	Badagada-C	UDPF	29	210.00	2.86	0.00	0.00	0.00	0.00	0.00	2.64

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	30	240.00	5.00	0.00	0.00	0.00	0.00	0.00	10.12
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Kantakhhol	DPF	1	270.00	1.11	0.00	0.00	0.00	0.00	0.00	3.33
ASKA	Kantakhhol	DPF	2	120.00	2.50	0.00	0.00	0.00	0.00	0.00	2.28
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Pandaripada	DPF	1	185.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	2	415.00	2.17	0.00	0.00	0.00	0.00	0.00	2.18
POLOSARA	Pandaripada	DPF	3	360.00	0.28	0.00	0.00	0.00	0.00	0.00	5.81
POLOSARA	Pandaripada	DPF	4	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	5	360.00	0.28	0.00	0.00	0.00	0.00	0.00	5.81
POLOSARA	Pandaripada	DPF	6	800.00	0.13	0.00	0.00	0.00	0.00	0.00	6.42
POLOSARA	Pandaripada	DPF	7	440.00	2.05	0.23	0.00	0.00	0.00	0.00	2.19
POLOSARA	Pandaripada	DPF	8	260.00	3.46	0.00	0.00	0.00	0.00	0.00	3.82
POLOSARA	Pandaripada	DPF	9	345.00	0.58	0.29	0.00	0.00	0.00	0.00	4.81
POLOSARA	Pandaripada	DPF	10	305.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	11	510.00	0.59	0.00	0.00	0.00	0.00	0.00	4.73
POLOSARA	Pandaripada	DPF	12	495.00	3.64	0.00	0.00	0.00	0.00	0.00	4.29
POLOSARA	Pandaripada	DPF	13	170.00	15.88	0.59	0.00	0.59	0.00	0.00	191.84
POLOSARA	Pandaripada	DPF	14	375.00	4.80	1.07	0.00	0.00	0.00	0.00	10.69
POLOSARA	Pandaripada	DPF	15	410.00	13.17	0.00	0.00	0.00	0.00	0.00	122.91
POLOSARA	Pandaripada	DPF	16	565.00	3.36	0.18	0.18	0.00	0.00	0.00	3.75
POLOSARA	Pandaripada	DPF	17	270.00	12.59	4.44	0.00	0.00	0.00	0.00	133.18
POLOSARA	Pandaripada	DPF	18	365.00	15.89	6.30	0.00	0.00	0.00	0.00	233.97
POLOSARA	Pandaripada	DPF	19	330.00	10.30	3.64	0.00	0.00	0.00	0.00	83.66
POLOSARA	Pandaripada	DPF	20	260.00	26.15	4.62	0.00	0.00	0.00	0.00	601.09
POLOSARA	Pandaripada	DPF	21	110.00	52.73	15.45	1.82	0.00	0.00	0.00	2812.78
POLOSARA	Pandaripada	DPF	22	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	23	250.00	0.00	0.40	0.80	0.80	0.00	0.00	4.34

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Pandaripada	DPF	24	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	25	280.00	0.00	0.36	0.71	0.71	0.00	0.00	3.70
POLOSARA	Pandaripada	DPF	26	270.00	5.56	0.74	0.00	0.00	0.00	0.00	14.40
POLOSARA	Pandaripada	DPF	27	325.00	8.62	2.15	0.00	0.00	0.00	0.00	49.48
POLOSARA	Pandaripada	DPF	28	500.00	2.40	0.40	0.00	0.00	0.00	0.00	2.44
POLOSARA	Pandaripada	DPF	29	375.00	3.20	0.53	0.00	0.00	0.00	0.00	3.65
POLOSARA	Pandaripada	DPF	30	225.00	2.22	0.89	0.00	0.00	0.00	0.00	3.37
POLOSARA	Pandaripada	DPF	31	200.00	6.00	1.00	0.00	0.00	0.00	0.00	18.22
POLOSARA	Pandaripada	DPF	32	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	33	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	34	335.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	35	375.00	10.13	0.00	0.00	0.00	0.00	0.00	65.39
POLOSARA	Pandaripada	DPF	36	475.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	37	385.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	38	125.00	15.20	0.80	0.80	0.00	0.00	0.00	174.56
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Bhalukhai	DPF	1	13.20	0.00	15.15	0.00	0.00	7.58	0.00	311.78
POLOSARA	Sodaka-A	DPF	1	400.00	9.50	0.00	0.00	0.00	0.00	0.00	55.72
POLOSARA	Sodaka-B	DPF	1	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Kakudia	DPF	1	85.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Jokalundi	PRF	1	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Paikajamuna	DPF	1	335.48	0.60	0.60	0.00	0.00	0.60	0.00	6.70
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Purunapani Daburia	PRF	1	320.00	1.25	0.00	0.00	0.00	0.00	0.00	3.05
POLOSARA	Purunapani Daburia	PRF	2	275.00	1.09	0.00	0.36	0.00	0.00	0.00	4.06
POLOSARA	Purunapani Daburia	PRF	3	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Purunapani Daburia	PRF	4	470.00	2.34	1.28	0.00	0.00	0.00	0.00	4.51
POLOSARA	Purunapani Daburia	PRF	5	325.00	0.00	0.00	3.08	0.62	0.00	0.00	16.38

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Purunapani Daburia	PRF	6	380.00	1.05	0.00	0.00	0.00	1.05	0.00	6.54
POLOSARA	Purunapani Daburia	PRF	7	240.00	0.42	0.42	0.00	0.00	0.00	0.00	5.54
POLOSARA	Purunapani Daburia	PRF	8	170.00	0.59	0.00	0.00	0.00	0.00	0.00	4.73
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Khaladimal	PRF	1	400.00	1.00	0.75	0.50	0.25	0.00	0.00	6.00
POLOSARA	Khaladimal	PRF	2	275.00	3.64	0.36	0.00	0.00	0.00	0.00	4.45
POLOSARA	Khaladimal	PRF	3	125.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Khaladimal	PRF	4	135.00	1.48	1.48	0.00	0.00	1.48	0.00	10.66
POLOSARA	Khaladimal	PRF	5	430.00	3.26	0.23	0.23	0.00	0.00	0.00	3.69
POLOSARA	Khaladimal	PRF	6	150.00	8.67	5.33	1.33	0.00	0.00	0.00	80.22
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-A	UDPF	1	205.00	10.73	0.00	0.00	0.00	0.00	0.00	75.26
BADAGADA	Badagada-A	UDPF	2	100.00	4.00	0.00	0.00	0.00	0.00	0.00	5.48
BADAGADA	Badagada-A	UDPF	3	395.00	2.28	0.76	0.00	0.00	0.00	0.00	3.07
BADAGADA	Badagada-A	UDPF	4	380.00	1.05	0.00	0.00	0.00	0.00	0.00	3.46
BADAGADA	Badagada-A	UDPF	5	345.00	0.58	0.00	0.00	0.00	0.00	0.00	4.75
BADAGADA	Badagada-A	UDPF	6	285.00	1.40	0.00	0.00	0.00	0.00	0.00	2.79
BADAGADA	Badagada-A	UDPF	7	340.00	2.65	0.88	0.00	0.00	0.00	0.00	3.57
BADAGADA	Badagada-A	UDPF	8	355.00	1.13	0.00	0.00	0.00	0.00	0.00	3.30
BADAGADA	Badagada-A	UDPF	9	430.00	3.02	0.00	0.00	0.00	0.00	0.00	2.89
BADAGADA	Badagada-A	UDPF	10	220.00	12.27	0.00	0.00	0.00	0.00	0.00	103.98
BADAGADA	Badagada-A	UDPF	11	250.00	9.60	0.00	0.00	0.00	0.00	0.00	57.19
BADAGADA	Badagada-A	UDPF	12	375.00	3.73	0.00	0.00	0.00	0.00	0.00	4.59
BADAGADA	Badagada-A	UDPF	13	270.00	3.70	0.00	0.00	0.00	0.00	0.00	4.50
BADAGADA	Badagada-A	UDPF	14	355.00	6.20	0.00	0.00	0.00	0.00	0.00	18.30
BADAGADA	Badagada-A	UDPF	15	655.00	0.61	0.00	0.00	0.00	0.00	0.00	4.66
BADAGADA	Badagada-A	UDPF	16	530.00	0.75	0.19	0.00	0.00	0.00	0.00	4.16
BADAGADA	Badagada-A	UDPF	17	315.00	1.27	0.00	0.00	0.00	0.00	0.00	3.02

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Badagada-A	UDPF	18	435.00	0.69	0.00	0.00	0.00	0.00	0.00	4.41
BADAGADA	Badagada-A	UDPF	19	345.00	0.58	0.00	0.00	0.00	0.00	0.00	4.75
BADAGADA	Badagada-A	UDPF	20	820.00	1.10	0.37	0.00	0.00	0.00	0.00	3.52
BADAGADA	Badagada-A	UDPF	21	535.00	4.11	0.00	0.00	0.00	0.00	0.00	5.90
BADAGADA	Badagada-A	UDPF	22	295.00	1.36	0.00	0.00	0.00	0.00	0.00	2.87
BADAGADA	Badagada-A	UDPF	23	275.00	2.55	0.00	0.00	0.00	0.00	0.00	2.31
BADAGADA	Badagada-A	UDPF	24	260.00	4.23	0.00	0.00	0.00	0.00	0.00	6.38
BADAGADA	Badagada-A	UDPF	25	365.00	3.29	0.00	0.00	0.00	0.00	0.00	3.40
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-B	UDPF	1	540.00	6.85	0.00	0.00	0.00	0.00	0.00	23.98
BADAGADA	Badagada-B	UDPF	2	290.00	1.03	0.00	0.00	0.00	0.00	0.00	3.50
BADAGADA	Badagada-B	UDPF	3	465.00	0.86	0.22	0.00	0.00	0.00	0.00	3.90
BADAGADA	Badagada-B	UDPF	4	190.00	12.11	0.00	0.00	0.00	0.00	0.00	100.63
BADAGADA	Badagada-B	UDPF	5	205.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	6	555.00	3.06	0.00	0.00	0.00	0.00	0.00	2.96
BADAGADA	Badagada-B	UDPF	7	670.00	7.01	0.00	0.00	0.00	0.00	0.00	25.53
BADAGADA	Badagada-B	UDPF	8	460.00	0.87	0.00	0.00	0.00	0.00	0.00	3.91
BADAGADA	Badagada-B	UDPF	9	140.00	16.43	0.00	0.00	0.00	0.00	0.00	205.11
BADAGADA	Badagada-B	UDPF	10	190.00	8.95	0.00	0.00	0.00	0.00	0.00	47.94
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Goudagotha	DPF	1	237.50	15.58	0.00	0.00	0.00	0.00	0.00	181.63
BADAGADA	Goudagotha	DPF	2	240.00	1.25	0.00	0.00	0.00	0.00	0.00	3.05
BADAGADA	Goudagotha	DPF	3	265.00	1.51	0.38	0.00	0.00	0.00	0.00	2.82
BADAGADA	Goudagotha	DPF	4	430.00	5.35	0.00	0.00	0.00	0.00	0.00	12.20
BADAGADA	Goudagotha	DPF	5	512.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	6	442.50	0.90	0.23	0.00	0.00	0.00	0.00	3.80
BADAGADA	Goudagotha	DPF	7	380.00	3.16	0.00	0.00	0.00	0.00	0.00	3.13
BADAGADA	Goudagotha	DPF	8	280.00	3.93	0.00	0.00	0.00	0.00	0.00	5.23

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Goudagotha	DPF	9	410.00	1.71	0.00	0.00	0.00	0.00	0.00	2.41
BADAGADA	Goudagotha	DPF	10	370.00	5.95	0.00	0.00	0.00	0.00	0.00	16.34
BADAGADA	Goudagotha	DPF	11	332.50	1.20	0.00	0.00	0.00	0.00	0.00	3.14
BADAGADA	Goudagotha	DPF	12	370.00	2.43	0.81	0.00	0.00	0.00	0.00	3.24
BADAGADA	Goudagotha	DPF	13	330.00	1.21	0.00	0.00	0.00	0.00	0.00	3.13
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Merikote	DPF	1	599.24	0.33	0.00	0.00	0.00	0.00	0.00	5.60
BADAGADA	Merikote	DPF	2	435.50	0.92	0.00	0.00	0.00	0.00	0.00	3.78
BADAGADA	Merikote	DPF	3	555.50	1.62	0.54	0.00	0.00	0.00	0.00	2.94
BADAGADA	Merikote	DPF	4	498.00	2.61	0.00	0.00	0.00	0.00	0.00	2.37
BADAGADA	Merikote	DPF	5	463.00	5.83	0.00	0.00	0.00	0.00	0.00	15.49
BADAGADA	Merikote	DPF	6	560.50	4.28	0.00	0.00	0.00	0.00	0.00	6.59
BADAGADA	Merikote	DPF	7	408.00	3.43	0.00	0.00	0.00	0.00	0.00	3.74
BADAGADA	Merikote	DPF	8	435.50	2.30	0.00	0.00	0.00	0.00	0.00	2.20
BADAGADA	Merikote	DPF	9	503.00	4.37	0.00	0.00	0.00	0.00	0.00	6.98
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Raipada	RF	1	506.65	5.33	0.00	0.00	0.00	0.00	0.00	12.08
BADAGADA	Raipada	RF	2	554.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	3	489.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	4	527.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	5	719.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Srirampalli	PRF	1	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Mahisikhata	UDPF	1	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Mahisikhata	UDPF	2	328.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

Total Block Area:

111680.09

TOTAL: 945.42 192.82 33.16 8.43 13.56 0.57 1193.96

MEAN: 3.18 0.65 0.11 0.03 0.05 0.00 4.02

STDEV: 4.87 1.64 0.31 0.13 0.45 0.03 7.43

Std. Error (mean): 0.28 0.10 0.02 0.01 0.03 0.00 0.43

All Blocks (Tree): 355502.39 72505.82 12469.76 3169.89 5099.81 215.17 448962.84

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

ASAN

SORADA	Pondakhol	RF	1	526.00	2.85	1.18	0.57	0.38	0.27	0.08	23.99
SORADA	Pondakhol	RF	2	332.90	4.51	1.86	0.90	0.60	0.42	0.12	16.29
SORADA	Pondakhol	RF	3	441.33	1.99	1.31	2.31	1.09	0.23	0.09	39.83
SORADA	Pondakhol	RF	4	229.51	4.27	2.70	2.27	1.05	0.70	0.26	26.88
SORADA	Pondakhol	RF	5[a]	383.66	2.19	1.46	1.41	0.83	0.36	0.26	33.53
SORADA	Pondakhol	RF	6	313.42	1.47	2.36	0.64	0.19	0.00	0.00	36.57
SORADA	Pondakhol	RF	7	378.14	2.22	1.48	1.43	0.85	0.37	0.26	33.39
SORADA	Pondakhol	RF	8	344.37	8.83	2.56	3.25	0.70	0.12	0.17	29.26
SORADA	Pondakhol	RF	9	419.68	0.10	0.19	0.38	0.14	0.10	0.00	52.35
SORADA	Pondakhol	RF	10	240.38	8.57	4.74	2.00	0.17	0.00	0.00	29.04
SORADA	Pondakhol	RF	11	487.22	14.20	7.80	3.69	1.07	0.41	0.04	127.52
SORADA	Pondakhol	RF	12	334.67	9.68	3.88	3.35	1.79	0.54	0.18	45.10
SORADA	Pondakhol	RF	13	567.05	9.77	4.13	1.27	0.28	0.00	0.00	28.55
SORADA	Pondakhol	RF	14	618.00	0.36	0.13	0.10	0.00	0.00	0.00	48.55
SORADA	Pondakhol	RF	15	397.54	3.27	1.46	0.70	0.20	0.35	0.10	21.12
SORADA	Pondakhol	RF	16	596.30	7.68	3.25	1.11	0.30	0.03	0.00	15.16
SORADA	Pondakhol	RF	17	340.33	4.58	3.58	4.00	0.41	0.00	0.00	37.10
SORADA	Pondakhol	RF	18	569.36	9.52	4.95	1.65	1.19	0.56	0.04	37.97
SORADA	Pondakhol	RF	19	282.80	1.20	0.85	0.57	0.28	0.00	0.00	38.58
SORADA	Pondakhol	RF	20	465.08	1.03	0.60	0.00	0.00	0.00	0.00	39.77
SORADA	Pondakhol	RF	21	294.44	6.32	4.21	3.26	1.15	0.07	0.00	32.74
SORADA	Pondakhol	RF	22	321.75	6.09	3.61	2.05	2.11	0.31	0.00	27.61
SORADA	Pondakhol	RF	23	520.35	6.19	4.27	1.08	0.77	0.12	0.08	20.60
SORADA	Pondakhol	RF	24	175.17	18.84	5.82	0.69	0.23	0.11	0.00	178.58
SORADA	Pondakhol	RF	25	288.94	7.27	2.70	0.21	0.00	0.00	0.00	10.23
SORADA	Pondakhol	RF	26	149.20	34.05	7.77	0.67	0.00	0.00	0.00	802.28
SORADA	Pondakhol	RF	27[a]	449.26	9.22	5.88	3.12	0.58	0.09	0.00	48.77

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Pondakhol	RF	28	419.35	16.88	5.87	1.24	0.10	0.05	0.00	136.18
SORADA	Pondakhol	RF	29[a]	578.64	15.76	5.88	0.73	0.00	0.00	0.00	113.01
SORADA	Pondakhol	RF	30	563.18	13.96	4.69	1.03	0.36	0.07	0.00	75.33
SORADA	Pondakhol	RF	31	475.59	9.97	7.49	2.99	0.67	0.00	0.00	69.74
SORADA	Pondakhol	RF	32	478.34	8.53	6.56	3.22	1.34	0.00	0.04	55.84
SORADA	Pondakhol	RF	33	346.47	8.25	6.98	5.08	2.42	0.69	0.17	84.19
SORADA	Pondakhol	RF	34	567.05	8.36	3.00	2.01	0.46	0.14	0.00	20.31
SORADA	Pondakhol	RF	35	456.52	2.28	1.05	0.92	0.31	0.18	0.00	29.07
SORADA	Pondakhol	RF	36[a]	286.58	3.49	1.47	0.14	0.07	0.00	0.00	17.69
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[a]	250.90	9.17	2.87	2.15	1.12	0.16	0.00	26.23
SORADA	Dhaugam	RF	2[a]	375.20	5.22	3.41	1.12	0.11	0.00	0.00	16.30
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pondakhol	RF	5[b]	100.82	6.94	0.00	0.00	0.00	0.00	0.00	6.73
SORADA	Pondakhol	RF	27[b]	245.62	16.29	8.55	4.48	0.00	0.00	0.00	177.10
SORADA	Pondakhol	RF	29[b]	198.50	27.20	16.62	6.05	0.00	0.00	0.00	706.98
SORADA	Pondakhol	RF	36[b]	301.19	15.27	9.30	2.66	3.32	0.00	0.00	171.79
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[b]	203.06	41.37	13.79	10.83	0.00	0.00	0.00	1496.62
SORADA	Dhaugam	RF	2[b]	203.04	15.27	3.94	1.97	2.46	0.99	0.00	107.52
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pipalpanka	RF	1	441.76	6.34	2.72	0.91	0.45	0.23	0.00	12.53
SORADA	Pipalpanka	RF	2	553.13	3.98	1.27	0.54	0.18	0.00	0.00	15.68
SORADA	Pipalpanka	RF	3	606.03	6.27	1.98	1.16	0.50	0.17	0.00	11.77
SORADA	Pipalpanka	RF	4	558.20	5.55	2.33	0.54	0.00	0.00	0.00	10.62
SORADA	Pipalpanka	RF	5	600.22	1.33	0.67	0.00	0.00	0.00	0.00	36.41
SORADA	Pipalpanka	RF	6	637.06	3.45	1.88	0.63	0.00	0.00	0.00	19.02
					0.00	0.00	0.00	0.00	0.00	0.00	

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Mundapita	RF	1	627.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	2	553.98	9.39	0.54	0.00	0.00	0.00	0.00	16.18
SORADA	Mundapita	RF	3	610.52	8.52	2.13	0.16	0.00	0.00	0.00	12.10
SORADA	Mundapita	RF	4	476.29	11.13	1.26	0.42	0.00	0.00	0.00	28.50
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Hukuma	RF	1	692.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Hukuma	RF	2	531.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Hukuma	RF	3	522.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Bondhagocha	RF	1	613.64	5.54	2.77	1.30	0.98	0.49	0.00	17.30
SORADA	Bondhagocha	RF	2	693.69	4.90	2.45	1.15	0.86	0.43	0.00	17.23
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhepaguda	RF	1	334.78	8.06	5.38	2.39	0.90	1.19	0.00	39.66
SORADA	Dhepaguda	RF	2	493.00	7.51	2.43	0.61	0.61	0.81	0.41	14.32
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dabuki	RF	1	506.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pankalagam	RF	1	265.59	3.01	1.51	0.00	0.00	0.00	0.00	21.05
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Budurung	RF	1	316.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Chamunda	RF	1	265.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kadapada	RF	1	677.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kumarsuni Vishnucha	RF	1	1081.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Binodia	RF	1	209.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Tangarai	RF	1	817.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Nagiri	RF	1	449.55	3.78	0.67	0.00	0.00	0.00	0.00	16.48
BUGUDA	Solundi	RF	1	362.75	13.51	2.48	0.00	0.00	0.00	0.00	56.64
BUGUDA	Jhollery	RF	1	914.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Sandasulia	RF	1	848.34	14.03	0.71	0.00	0.00	0.00	0.00	63.09

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BUGUDA	Panchabhuti-C	RF	1	198.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-B	RF	1	354.66	6.20	2.54	0.85	0.00	0.00	0.00	10.80
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kurchuli-A	RF	1	390.76	5.63	2.30	0.51	0.00	0.00	0.00	10.36
BUGUDA	Kurchuli-A	RF	2	646.22	0.00	0.00	0.15	0.00	0.00	0.00	-0.09
BUGUDA	Kurchuli-A	RF	3	533.09	5.25	2.44	0.00	0.00	0.00	0.00	11.08
BUGUDA	Kurchuli-A	RF	4	662.32	4.38	0.30	0.00	0.00	0.00	0.00	14.05
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kriamba-Jadupadi	RF	1	432.88	18.94	4.16	0.46	0.00	0.00	0.00	168.03
BUGUDA	Kriamba-Jadupadi	RF	2	639.53	12.67	1.25	0.31	0.00	0.00	0.00	44.54
BUGUDA	Kriamba-Jadupadi	RF	3	555.56	22.50	5.76	0.72	0.00	0.00	0.00	280.47
BUGUDA	Kriamba-Jadupadi	RF	4	959.71	3.86	2.19	0.21	0.00	0.00	0.00	16.36
BUGUDA	Kriamba-Jadupadi	RF	5	714.56	24.77	4.62	0.42	0.00	0.00	0.00	348.28
BUGUDA	Kriamba-Jadupadi	RF	6	756.83	21.01	5.29	0.53	0.00	0.00	0.00	230.97
BUGUDA	Kriamba-Jadupadi	RF	7	858.22	7.69	1.40	0.00	0.00	0.00	0.00	9.09
BUGUDA	Kriamba-Jadupadi	RF	8	498.73	26.47	13.43	1.40	0.20	0.00	0.00	551.43
BUGUDA	Kriamba-Jadupadi	RF	9	465.24	35.04	2.36	0.00	0.00	0.00	0.00	816.08
BUGUDA	Kriamba-Jadupadi	RF	10	733.69	4.77	0.55	0.00	0.00	0.00	0.00	12.00
BUGUDA	Kriamba-Jadupadi	RF	11	786.82	4.45	0.25	0.00	0.00	0.00	0.00	13.84
BUGUDA	Kriamba-Jadupadi	RF	12	443.23	8.35	2.03	0.00	0.00	0.00	0.00	11.41
BUGUDA	Kriamba-Jadupadi	RF	13	876.22	6.05	1.48	0.00	0.00	0.00	0.00	8.31
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Panchabhuti-A	RF	1	609.28	3.77	0.33	0.00	0.00	0.00	0.00	17.07
BUGUDA	Panchabhuti-A	RF	2	282.83	6.01	1.77	0.00	0.00	0.00	0.00	8.53
BUGUDA	Panchabhuti-A	RF	3	529.89	1.13	0.00	0.00	0.00	0.00	0.00	36.82
BUGUDA	Panchabhuti-A	RF	4	368.28	0.00	0.27	0.00	0.00	0.00	0.00	2.43
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-I	DPF	1	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Kansa	DPF	1	181.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badadanda	DPF	1	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chapudia	DPF	1	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Rasibadi	DPF	1	370.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Bhumi dimiripalli	PRF	1	15.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badua	PRF	1	80.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-II	DPF	1	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	2	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	3	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	4	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	5	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	6	215.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Ambadaban	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	2	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	3	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Pakadi	DPF	1	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	2	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	3	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	4	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	5	220.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	6	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	7	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	8	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	9	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	10	110.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gadagada	DPF	1	190.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gadagada	DPF	2	155.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gadagada	DPF	3	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Chemidi	DPF	1	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	2	115.00	2.61	0.00	0.00	0.00	0.00	0.00	22.77
ASKA	Chemidi	DPF	3	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	4	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	5	70.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	6	230.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Machakhai	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Machakhai	DPF	2	165.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Hatimunda	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Hatimunda	DPF	2	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Hatimunda	DPF	3	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Suliaguda	DPF	1	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	2	195.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	3	235.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	4	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gouduni	PRF	1	142.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gouduni	PRF	2	157.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Badagada-C	UDPF	1	340.00	13.82	0.88	0.29	0.00	0.00	0.00	60.03

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	2	305.00	20.33	0.66	0.33	0.00	0.00	0.00	196.25
ASKA	Badagada-C	UDPF	3	165.00	35.76	9.09	0.61	0.00	0.00	0.00	917.52
ASKA	Badagada-C	UDPF	4	315.00	15.24	2.22	0.00	0.00	0.00	0.00	82.91
ASKA	Badagada-C	UDPF	5	310.00	9.35	0.65	0.97	0.00	0.00	0.00	17.37
ASKA	Badagada-C	UDPF	6	275.00	7.27	0.00	0.00	0.00	0.00	0.00	7.04
ASKA	Badagada-C	UDPF	7	700.00	4.14	0.00	0.00	0.00	0.00	0.00	12.80
ASKA	Badagada-C	UDPF	8	325.00	6.77	0.00	0.00	0.00	0.00	0.00	6.65
ASKA	Badagada-C	UDPF	9	455.00	11.65	0.00	0.00	0.00	0.00	0.00	31.84
ASKA	Badagada-C	UDPF	10	485.00	4.12	0.00	0.00	0.00	0.00	0.00	12.89
ASKA	Badagada-C	UDPF	11	440.00	3.86	0.00	0.00	0.00	0.00	0.00	14.26
ASKA	Badagada-C	UDPF	12	460.00	4.57	0.87	0.00	0.00	0.00	0.00	12.41
ASKA	Badagada-C	UDPF	13	575.00	15.30	1.04	0.00	0.00	0.00	0.00	83.32
ASKA	Badagada-C	UDPF	14	340.00	8.53	1.76	0.00	0.00	0.00	0.00	11.76
ASKA	Badagada-C	UDPF	15	320.00	18.13	2.19	0.31	0.00	0.00	0.00	141.02
ASKA	Badagada-C	UDPF	16	385.00	10.13	1.56	0.00	0.00	0.00	0.00	20.27
ASKA	Badagada-C	UDPF	17	390.00	14.87	0.51	0.00	0.00	0.00	0.00	76.58
ASKA	Badagada-C	UDPF	18	395.00	16.46	1.77	0.00	0.00	0.00	0.00	104.75
ASKA	Badagada-C	UDPF	19	465.00	14.84	0.65	0.00	0.00	0.00	0.00	75.84
ASKA	Badagada-C	UDPF	20	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	21	390.00	13.33	3.33	0.26	0.00	0.00	0.00	57.01
ASKA	Badagada-C	UDPF	22	700.00	7.43	0.43	0.00	0.00	0.00	0.00	9.39
ASKA	Badagada-C	UDPF	23	355.00	10.70	1.13	0.00	0.00	0.00	0.00	24.61
ASKA	Badagada-C	UDPF	24	150.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	25	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	26	265.00	6.79	0.75	0.00	0.00	0.00	0.00	8.30
ASKA	Badagada-C	UDPF	27	355.00	17.75	1.97	0.00	0.00	0.00	0.00	132.01
ASKA	Badagada-C	UDPF	28	200.00	26.50	3.00	1.00	0.00	0.00	0.00	407.31
ASKA	Badagada-C	UDPF	29	210.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	30	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Kantakhhol	DPF	1	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Kantakhhol	DPF	2	120.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Pandaripada	DPF	1	185.00	3.78	0.00	0.00	0.00	0.00	0.00	14.71
POLOSARA	Pandaripada	DPF	2	415.00	4.34	0.00	0.00	0.00	0.00	0.00	11.87
POLOSARA	Pandaripada	DPF	3	360.00	4.72	1.11	0.00	0.00	0.00	0.00	11.62
POLOSARA	Pandaripada	DPF	4	375.00	4.80	0.00	0.00	0.00	0.00	0.00	9.97
POLOSARA	Pandaripada	DPF	5	360.00	4.72	0.56	0.00	0.00	0.00	0.00	12.17
POLOSARA	Pandaripada	DPF	6	800.00	4.63	1.13	0.00	0.00	0.00	0.00	12.00
POLOSARA	Pandaripada	DPF	7	440.00	18.86	5.91	0.91	0.00	0.00	0.00	180.08
POLOSARA	Pandaripada	DPF	8	260.00	14.23	8.08	0.77	0.00	0.00	0.00	112.39
POLOSARA	Pandaripada	DPF	9	345.00	12.17	1.74	0.00	0.00	0.00	0.00	38.89
POLOSARA	Pandaripada	DPF	10	305.00	26.56	2.62	0.66	0.00	0.00	0.00	407.60
POLOSARA	Pandaripada	DPF	11	510.00	16.08	3.53	0.39	0.00	0.00	0.00	102.39
POLOSARA	Pandaripada	DPF	12	495.00	35.76	6.67	0.61	0.00	0.00	0.00	885.73
POLOSARA	Pandaripada	DPF	13	170.00	93.53	23.53	2.35	0.00	0.00	0.00	8060.40
POLOSARA	Pandaripada	DPF	14	375.00	10.67	2.93	0.00	0.00	0.00	0.00	26.86
POLOSARA	Pandaripada	DPF	15	410.00	30.00	0.00	0.00	0.00	0.00	0.00	552.92
POLOSARA	Pandaripada	DPF	16	565.00	3.01	0.53	0.00	0.00	0.00	0.00	21.67
POLOSARA	Pandaripada	DPF	17	270.00	18.15	3.33	0.00	0.00	0.00	0.00	144.73
POLOSARA	Pandaripada	DPF	18	365.00	7.67	1.92	0.00	0.00	0.00	0.00	9.39
POLOSARA	Pandaripada	DPF	19	330.00	7.58	1.82	0.00	0.00	0.00	0.00	9.10
POLOSARA	Pandaripada	DPF	20	260.00	13.08	7.31	1.15	0.00	0.00	0.00	87.44
POLOSARA	Pandaripada	DPF	21	110.00	89.09	43.64	3.64	0.91	0.00	0.00	8616.97
POLOSARA	Pandaripada	DPF	22	470.00	4.68	1.91	0.43	0.00	0.00	0.00	12.39
POLOSARA	Pandaripada	DPF	23	250.00	0.00	0.00	0.40	0.00	0.00	0.00	0.26

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Pandaripada	DPF	24	270.00	8.15	3.33	0.74	0.00	0.00	0.00	15.24
POLOSARA	Pandaripada	DPF	25	280.00	0.00	0.00	0.36	0.00	0.00	0.00	0.19
POLOSARA	Pandaripada	DPF	26	270.00	10.74	0.74	0.00	0.00	0.00	0.00	25.21
POLOSARA	Pandaripada	DPF	27	325.00	8.62	4.00	0.00	0.00	0.00	0.00	19.07
POLOSARA	Pandaripada	DPF	28	500.00	3.40	1.00	0.00	0.00	0.00	0.00	18.47
POLOSARA	Pandaripada	DPF	29	375.00	4.53	1.33	0.00	0.00	0.00	0.00	12.33
POLOSARA	Pandaripada	DPF	30	225.00	10.22	0.89	0.00	0.00	0.00	0.00	21.06
POLOSARA	Pandaripada	DPF	31	200.00	8.50	2.50	0.00	0.00	0.00	0.00	12.84
POLOSARA	Pandaripada	DPF	32	260.00	2.31	0.00	0.00	0.00	0.00	0.00	25.28
POLOSARA	Pandaripada	DPF	33	355.00	33.52	1.69	0.00	0.00	0.00	0.00	731.37
POLOSARA	Pandaripada	DPF	34	335.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	35	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	36	475.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	37	385.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	38	125.00	13.60	2.40	0.00	0.00	0.00	0.00	57.73
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Bhalukhai	DPF	1	13.20	0.00	15.15	0.00	0.00	7.58	0.00	263.72
POLOSARA	Sodaka-A	DPF	1	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Sodaka-B	DPF	1	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Kakudia	DPF	1	85.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Jokalundi	PRF	1	390.00	3.85	1.54	0.00	0.00	0.77	0.26	17.91
POLOSARA	Paikajamuna	DPF	1	335.48	3.88	3.28	1.79	1.49	0.30	0.30	29.26
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Purunapani Daburia	PRF	1	320.00	4.38	2.50	0.00	0.00	0.00	0.00	14.41
POLOSARA	Purunapani Daburia	PRF	2	275.00	4.73	2.91	2.91	0.00	0.73	0.00	26.56
POLOSARA	Purunapani Daburia	PRF	3	345.00	0.00	0.00	0.00	0.58	0.58	0.00	2.48
POLOSARA	Purunapani Daburia	PRF	4	470.00	1.70	0.64	1.70	0.85	0.00	0.00	38.79
POLOSARA	Purunapani Daburia	PRF	5	325.00	4.92	3.08	0.00	0.00	0.00	0.00	13.93

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Purunapani Daburia	PRF	6	380.00	2.63	3.68	4.21	1.58	0.53	0.53	57.25
POLOSARA	Purunapani Daburia	PRF	7	240.00	4.17	0.83	3.33	1.67	0.00	0.00	33.38
POLOSARA	Purunapani Daburia	PRF	8	170.00	4.12	0.00	0.00	0.00	0.59	0.00	14.27
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Khaladimal	PRF	1	400.00	1.75	1.50	2.00	1.75	0.50	0.75	44.92
POLOSARA	Khaladimal	PRF	2	275.00	1.45	1.82	0.73	0.00	0.00	0.00	35.86
POLOSARA	Khaladimal	PRF	3	125.00	12.00	4.80	0.00	0.00	2.40	0.80	59.78
POLOSARA	Khaladimal	PRF	4	135.00	9.63	8.15	4.44	3.70	0.74	0.74	109.19
POLOSARA	Khaladimal	PRF	5	430.00	0.93	1.16	0.47	0.00	0.00	0.00	40.80
POLOSARA	Khaladimal	PRF	6	150.00	4.67	12.00	6.00	2.67	0.00	0.00	178.11
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-A	UDPF	1	205.00	23.41	9.27	0.00	0.00	0.00	0.00	352.90
BADAGADA	Badagada-A	UDPF	2	100.00	77.00	17.00	4.00	0.00	0.00	0.00	5225.25
BADAGADA	Badagada-A	UDPF	3	395.00	26.08	9.87	1.77	0.00	0.00	0.00	463.73
BADAGADA	Badagada-A	UDPF	4	380.00	8.42	3.42	0.53	0.00	0.00	0.00	16.05
BADAGADA	Badagada-A	UDPF	5	345.00	13.62	2.03	0.00	0.00	0.00	0.00	57.39
BADAGADA	Badagada-A	UDPF	6	285.00	15.44	8.07	1.05	0.00	0.00	0.00	132.88
BADAGADA	Badagada-A	UDPF	7	340.00	5.00	2.06	0.59	0.00	0.00	0.00	11.74
BADAGADA	Badagada-A	UDPF	8	355.00	12.39	6.48	0.85	0.00	0.00	0.00	68.99
BADAGADA	Badagada-A	UDPF	9	430.00	2.79	0.23	0.00	0.00	0.00	0.00	23.86
BADAGADA	Badagada-A	UDPF	10	220.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	11	250.00	0.80	0.00	0.00	0.00	0.00	0.00	40.58
BADAGADA	Badagada-A	UDPF	12	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	13	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	14	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	15	655.00	6.72	3.51	0.46	0.00	0.00	0.00	13.10
BADAGADA	Badagada-A	UDPF	16	530.00	13.58	4.34	0.38	0.00	0.00	0.00	65.68
BADAGADA	Badagada-A	UDPF	17	315.00	10.16	4.13	0.63	0.00	0.00	0.00	28.99

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Badagada-A	UDPF	18	435.00	8.74	3.91	0.46	0.00	0.00	0.00	19.44
BADAGADA	Badagada-A	UDPF	19	345.00	13.62	2.03	0.00	0.00	0.00	0.00	57.39
BADAGADA	Badagada-A	UDPF	20	820.00	12.56	4.76	0.85	0.00	0.00	0.00	56.16
BADAGADA	Badagada-A	UDPF	21	535.00	8.97	3.55	0.00	0.00	0.00	0.00	18.42
BADAGADA	Badagada-A	UDPF	22	295.00	26.10	5.76	1.36	0.00	0.00	0.00	409.68
BADAGADA	Badagada-A	UDPF	23	275.00	13.82	6.55	0.00	0.00	0.00	0.00	86.94
BADAGADA	Badagada-A	UDPF	24	260.00	18.46	4.62	0.00	0.00	0.00	0.00	158.85
BADAGADA	Badagada-A	UDPF	25	365.00	5.21	1.92	0.00	0.00	0.00	0.00	10.32
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-B	UDPF	1	540.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	2	290.00	13.10	5.86	0.69	0.00	0.00	0.00	71.32
BADAGADA	Badagada-B	UDPF	3	465.00	15.48	4.95	0.43	0.00	0.00	0.00	99.83
BADAGADA	Badagada-B	UDPF	4	190.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	5	205.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	6	555.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	7	670.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	8	460.00	16.74	3.70	0.87	0.00	0.00	0.00	117.09
BADAGADA	Badagada-B	UDPF	9	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	10	190.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Goudagotha	DPF	1	237.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	2	240.00	15.83	7.08	0.83	0.00	0.00	0.00	127.05
BADAGADA	Goudagotha	DPF	3	265.00	27.17	8.68	0.75	0.00	0.00	0.00	485.04
BADAGADA	Goudagotha	DPF	4	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	5	512.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	6	442.50	16.27	5.20	0.45	0.00	0.00	0.00	116.32
BADAGADA	Goudagotha	DPF	7	380.00	5.00	1.84	0.00	0.00	0.00	0.00	10.87
BADAGADA	Goudagotha	DPF	8	280.00	17.14	4.29	0.00	0.00	0.00	0.00	127.31

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Goudagotha	DPF	9	410.00	9.27	4.39	0.00	0.00	0.00	0.00	24.34
BADAGADA	Goudagotha	DPF	10	370.00	12.97	5.14	0.00	0.00	0.00	0.00	62.75
BADAGADA	Goudagotha	DPF	11	332.50	23.16	5.11	1.20	0.00	0.00	0.00	297.81
BADAGADA	Goudagotha	DPF	12	370.00	27.84	10.54	1.89	0.00	0.00	0.00	547.77
BADAGADA	Goudagotha	DPF	13	330.00	9.70	3.94	0.61	0.00	0.00	0.00	24.86
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Merikote	DPF	1	599.24	7.84	1.17	0.00	0.00	0.00	0.00	9.45
BADAGADA	Merikote	DPF	2	435.50	10.10	5.28	0.69	0.00	0.00	0.00	36.52
BADAGADA	Merikote	DPF	3	555.50	3.06	1.26	0.36	0.00	0.00	0.00	20.87
BADAGADA	Merikote	DPF	4	498.00	2.41	0.20	0.00	0.00	0.00	0.00	27.00
BADAGADA	Merikote	DPF	5	463.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	6	560.50	0.36	0.00	0.00	0.00	0.00	0.00	45.94
BADAGADA	Merikote	DPF	7	408.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	8	435.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	9	503.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Raipada	RF	1	506.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	2	554.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	3	489.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	4	527.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	5	719.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Srirampalli	PRF	1	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Mahisikhata	UDPF	1	270.00	20.00	0.00	0.00	0.00	0.00	0.00	185.46
BADAGADA	Mahisikhata	UDPF	2	328.25	16.45	0.00	0.00	0.00	0.00	0.00	103.13

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

Total Block Area:

111680.09

TOTAL: 2265.24 689.86 170.08 48.97 25.45 5.67 3205.27

MEAN: 7.63 2.32 0.57 0.16 0.09 0.02 10.79

STDEV: 10.53 3.74 1.12 0.47 0.48 0.09 16.44

Std. Error (mean): 0.61 0.22 0.07 0.03 0.03 0.01 0.95

All Blocks (Tree): 851792.36 259404.61 63954.63 18413.68 9568.69 2133.11 1205267.07

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

MAI

SORADA	Pondakhol	RF	1	526.00	7.00	5.25	3.35	1.86	0.38	0.08	67.01
SORADA	Pondakhol	RF	2	332.90	11.05	8.29	5.29	2.94	0.60	0.12	79.58
SORADA	Pondakhol	RF	3	441.33	11.65	5.26	4.80	2.18	0.59	0.05	48.04
SORADA	Pondakhol	RF	4	229.51	12.29	6.10	3.92	1.57	0.78	0.09	41.94
SORADA	Pondakhol	RF	5[a]	383.66	5.47	3.54	2.66	1.56	0.36	0.10	78.43
SORADA	Pondakhol	RF	6	313.42	7.02	6.13	2.68	0.89	0.13	0.00	63.20
SORADA	Pondakhol	RF	7	378.14	5.02	3.60	1.80	0.69	0.37	0.11	79.36
SORADA	Pondakhol	RF	8	344.37	6.80	3.95	1.45	0.52	0.00	0.00	53.52
SORADA	Pondakhol	RF	9	419.68	6.62	5.19	2.57	0.91	0.14	0.10	63.28
SORADA	Pondakhol	RF	10	240.38	14.39	9.07	3.16	0.50	0.17	0.00	59.95
SORADA	Pondakhol	RF	11	487.22	19.29	10.88	5.95	2.22	0.86	0.00	155.35
SORADA	Pondakhol	RF	12	334.67	9.98	4.06	2.21	0.54	0.00	0.00	28.16
SORADA	Pondakhol	RF	13	567.05	12.38	3.77	1.13	0.81	0.00	0.00	18.44
SORADA	Pondakhol	RF	14	618.00	15.02	7.70	3.50	0.81	0.39	0.03	51.84
SORADA	Pondakhol	RF	15	397.54	8.80	5.99	2.06	1.36	1.16	0.35	47.97
SORADA	Pondakhol	RF	16	596.30	14.19	8.15	4.46	1.21	0.34	0.03	60.64
SORADA	Pondakhol	RF	17	340.33	6.70	7.11	7.64	1.47	0.35	0.00	122.36
SORADA	Pondakhol	RF	18	569.36	13.35	7.52	3.86	2.85	0.35	0.00	56.98
SORADA	Pondakhol	RF	19	282.80	14.64	11.95	7.43	1.98	0.35	0.07	148.81
SORADA	Pondakhol	RF	20	465.08	7.48	4.52	1.98	0.09	0.00	0.00	47.47
SORADA	Pondakhol	RF	21	294.44	6.11	4.62	3.40	1.09	0.00	0.00	72.36
SORADA	Pondakhol	RF	22	321.75	5.84	6.71	3.23	3.23	0.56	0.06	97.33
SORADA	Pondakhol	RF	23	520.35	11.18	4.96	2.15	0.96	0.35	0.15	26.72
SORADA	Pondakhol	RF	24	175.17	9.02	4.22	1.14	0.23	0.00	0.00	31.48
SORADA	Pondakhol	RF	25	288.94	8.79	6.44	2.63	0.55	0.00	0.00	46.75
SORADA	Pondakhol	RF	26	149.20	1.07	0.13	0.00	0.00	0.00	0.00	162.21
SORADA	Pondakhol	RF	27[a]	449.26	9.93	5.52	2.54	0.85	0.13	0.00	34.77

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Pondakhol	RF	28	419.35	7.96	3.05	0.81	0.10	0.00	0.00	39.25
SORADA	Pondakhol	RF	29[a]	578.64	17.01	7.81	1.00	0.21	0.00	0.00	55.00
SORADA	Pondakhol	RF	30	563.18	14.35	8.31	2.91	0.11	0.00	0.00	49.56
SORADA	Pondakhol	RF	31	475.59	9.46	6.77	1.68	0.13	0.04	0.00	40.20
SORADA	Pondakhol	RF	32	478.34	12.46	11.96	6.23	1.42	0.08	0.00	126.99
SORADA	Pondakhol	RF	33	346.47	23.61	13.22	6.41	1.85	0.35	0.12	273.30
SORADA	Pondakhol	RF	34	567.05	10.09	7.48	3.17	0.35	0.00	0.00	48.01
SORADA	Pondakhol	RF	35	456.52	12.66	5.65	4.12	0.92	0.48	0.00	37.65
SORADA	Pondakhol	RF	36[a]	286.58	6.42	2.23	1.26	0.00	0.00	0.00	58.16
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[a]	250.90	10.12	6.14	2.31	0.88	0.08	0.00	35.86
SORADA	Dhaugam	RF	2[a]	375.20	10.66	7.30	1.76	0.75	0.11	0.00	39.17
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pondakhol	RF	5[b]	100.82	16.86	10.91	3.97	0.00	0.00	0.00	102.99
SORADA	Pondakhol	RF	27[b]	245.62	15.06	8.96	1.63	0.41	0.00	0.00	55.03
SORADA	Pondakhol	RF	29[b]	198.50	14.11	13.60	1.01	0.00	0.00	0.00	123.70
SORADA	Pondakhol	RF	36[b]	301.19	16.60	6.64	3.65	3.65	0.00	0.00	69.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[b]	203.06	53.68	30.04	11.33	4.43	0.00	0.00	2547.37
SORADA	Dhaugam	RF	2[b]	203.04	9.36	7.88	2.96	0.99	0.49	0.00	57.23
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pipalpanka	RF	1	441.76	4.07	1.58	0.91	0.23	0.00	0.00	94.69
SORADA	Pipalpanka	RF	2	553.13	3.25	1.27	0.54	0.18	0.00	0.00	110.54
SORADA	Pipalpanka	RF	3	606.03	4.79	1.98	0.99	0.50	0.33	0.00	82.82
SORADA	Pipalpanka	RF	4	558.20	4.84	1.43	1.43	0.54	0.00	0.00	83.91
SORADA	Pipalpanka	RF	5	600.22	0.67	1.17	0.67	0.00	0.00	0.00	166.75
SORADA	Pipalpanka	RF	6	637.06	2.98	2.98	1.10	0.31	0.00	0.00	112.11
					0.00	0.00	0.00	0.00	0.00	0.00	

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Mundapita	RF	1	627.36	3.67	0.80	0.00	0.00	0.00	0.00	104.66
SORADA	Mundapita	RF	2	553.98	20.22	4.69	0.36	0.00	0.00	0.00	74.51
SORADA	Mundapita	RF	3	610.52	6.88	2.13	0.33	0.00	0.00	0.00	52.22
SORADA	Mundapita	RF	4	476.29	7.77	2.10	0.42	0.00	0.00	0.00	42.68
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Hukuma	RF	1	692.91	4.04	0.72	0.00	0.14	0.00	0.00	98.31
SORADA	Hukuma	RF	2	531.01	3.20	1.51	0.00	0.56	0.00	0.00	110.76
SORADA	Hukuma	RF	3	522.48	4.40	1.53	0.57	0.19	0.00	0.00	89.10
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Bondhagocha	RF	1	613.64	7.66	3.59	1.47	0.49	0.00	0.00	43.69
SORADA	Bondhagocha	RF	2	693.69	6.78	3.17	1.30	0.43	0.00	0.00	52.99
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhepaguda	RF	1	334.78	6.87	5.08	3.88	1.19	0.90	0.00	70.11
SORADA	Dhepaguda	RF	2	493.00	7.91	2.43	0.61	0.20	0.00	0.00	40.56
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dabuki	RF	1	506.32	4.35	1.58	0.59	0.20	0.00	0.00	89.88
SORADA	Pankalagam	RF	1	265.59	1.51	2.64	1.51	0.00	0.00	0.00	143.97
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Budurung	RF	1	316.11	43.97	5.06	0.63	0.00	0.00	0.00	995.98
BUGUDA	Chamunda	RF	1	265.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kadapada	RF	1	677.36	19.19	1.77	0.00	0.00	0.00	0.00	60.45
BUGUDA	Kumarsuni Vishnucha	RF	1	1081.95	12.02	1.11	0.00	0.00	0.00	0.00	21.64
BUGUDA	Binodia	RF	1	209.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Tangarai	RF	1	817.49	17.00	1.96	0.24	0.00	0.00	0.00	36.88
BUGUDA	Nagiri	RF	1	449.55	15.35	5.12	0.22	0.00	0.00	0.00	26.59
BUGUDA	Solundi	RF	1	362.75	14.61	4.96	0.83	0.00	0.00	0.00	22.81
BUGUDA	Jhollery	RF	1	914.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Sandasulia	RF	1	848.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BUGUDA	Panchabhuti-C	RF	1	198.38	6.55	0.50	0.00	0.00	0.00	0.00	62.29
BUGUDA	Kurchuli-B	RF	1	354.66	1.69	0.28	2.26	0.56	0.00	0.00	151.49
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kurchuli-A	RF	1	390.76	1.02	0.26	0.51	0.00	0.00	0.00	163.04
BUGUDA	Kurchuli-A	RF	2	646.22	0.31	0.00	0.93	0.31	0.00	0.00	167.63
BUGUDA	Kurchuli-A	RF	3	533.09	6.19	4.13	1.31	0.00	0.00	0.00	60.53
BUGUDA	Kurchuli-A	RF	4	662.32	3.32	2.26	0.45	0.00	0.00	0.00	106.13
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kriamba-Jadupadi	RF	1	432.88	40.43	7.39	0.92	0.23	0.00	0.00	800.56
BUGUDA	Kriamba-Jadupadi	RF	2	639.53	9.23	2.03	0.16	0.00	0.00	0.00	30.63
BUGUDA	Kriamba-Jadupadi	RF	3	555.56	7.02	1.62	0.36	0.00	0.00	0.00	52.10
BUGUDA	Kriamba-Jadupadi	RF	4	959.71	1.25	2.29	0.73	0.00	0.00	0.00	149.37
BUGUDA	Kriamba-Jadupadi	RF	5	714.56	9.52	5.32	0.42	0.00	0.00	0.00	30.67
BUGUDA	Kriamba-Jadupadi	RF	6	756.83	11.89	3.30	1.19	0.13	0.00	0.00	17.66
BUGUDA	Kriamba-Jadupadi	RF	7	858.22	14.22	4.78	0.47	0.00	0.00	0.00	20.79
BUGUDA	Kriamba-Jadupadi	RF	8	498.73	13.43	12.63	11.83	5.61	0.00	0.20	268.91
BUGUDA	Kriamba-Jadupadi	RF	9	465.24	43.20	10.10	2.36	0.21	0.00	0.00	994.70
BUGUDA	Kriamba-Jadupadi	RF	10	733.69	4.36	0.27	0.55	0.00	0.00	0.00	95.98
BUGUDA	Kriamba-Jadupadi	RF	11	786.82	7.12	2.67	1.27	0.13	0.00	0.00	48.98
BUGUDA	Kriamba-Jadupadi	RF	12	443.23	10.60	2.71	0.90	0.00	0.00	0.00	21.65
BUGUDA	Kriamba-Jadupadi	RF	13	876.22	22.48	6.85	0.00	0.00	0.00	0.00	123.52
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Panchabhuti-A	RF	1	609.28	3.94	0.98	0.00	0.00	0.00	0.00	98.87
BUGUDA	Panchabhuti-A	RF	2	282.83	9.90	4.60	0.00	0.00	0.00	0.00	25.59
BUGUDA	Panchabhuti-A	RF	3	529.89	0.57	0.19	0.00	0.00	0.00	0.00	173.91
BUGUDA	Panchabhuti-A	RF	4	368.28	0.27	1.36	0.00	0.00	0.00	0.00	175.12
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-I	DPF	1	410.00	14.39	2.44	0.98	0.24	0.00	0.00	20.47

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Kansa	DPF	1	181.53	9.92	2.20	1.10	0.55	0.00	0.00	26.73
ASKA	Badadanda	DPF	1	50.00	50.00	0.00	0.00	0.00	0.00	0.00	1402.30
ASKA	Chapudia	DPF	1	260.00	20.00	4.23	1.15	0.00	0.00	0.00	70.74
ASKA	Rasibadi	DPF	1	370.00	6.76	0.00	0.00	0.00	0.00	0.00	48.32
ASKA	Bhumi dimiripalli	PRF	1	15.89	31.47	0.00	0.00	0.00	0.00	0.00	364.04
ASKA	Badua	PRF	1	80.00	13.75	0.00	0.00	0.00	0.00	0.00	13.78
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-II	DPF	1	355.00	2.82	1.41	0.56	0.00	0.00	0.00	118.48
ASKA	Malijhar-II	DPF	2	260.00	3.46	1.15	0.38	0.00	0.00	0.00	107.18
ASKA	Malijhar-II	DPF	3	300.00	4.67	2.00	1.00	0.00	0.00	0.00	83.58
ASKA	Malijhar-II	DPF	4	260.00	7.31	2.31	1.54	0.00	0.00	0.00	48.12
ASKA	Malijhar-II	DPF	5	345.00	7.54	2.61	1.16	0.00	0.00	0.00	44.49
ASKA	Malijhar-II	DPF	6	215.00	6.05	2.33	0.00	0.00	0.00	0.00	61.72
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Ambadaban	DPF	1	175.00	4.00	0.57	0.00	0.00	0.00	0.00	99.93
ASKA	Ambadaban	DPF	2	470.00	2.34	0.00	0.00	0.00	0.00	0.00	120.52
ASKA	Ambadaban	DPF	3	140.00	2.86	0.00	0.00	0.00	0.00	0.00	110.06
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Pakadi	DPF	1	250.00	16.00	4.00	1.20	0.00	0.00	0.00	28.24
ASKA	Pakadi	DPF	2	240.00	3.75	0.42	0.42	0.00	0.00	0.00	105.71
ASKA	Pakadi	DPF	3	140.00	7.86	0.71	0.00	0.00	0.00	0.00	46.74
ASKA	Pakadi	DPF	4	340.00	2.94	0.00	0.00	0.00	0.00	0.00	108.41
ASKA	Pakadi	DPF	5	220.00	24.09	0.00	0.00	0.00	0.00	0.00	141.95
ASKA	Pakadi	DPF	6	270.00	12.22	2.22	1.11	0.00	0.00	0.00	18.50
ASKA	Pakadi	DPF	7	130.00	1.54	0.00	0.00	0.00	0.00	0.00	137.82
ASKA	Pakadi	DPF	8	130.00	2.31	0.00	0.00	0.00	0.00	0.00	121.20
ASKA	Pakadi	DPF	9	140.00	4.29	0.00	0.00	0.00	0.00	0.00	83.91
ASKA	Pakadi	DPF	10	110.00	7.27	0.00	0.00	0.00	0.00	0.00	42.43

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gadagada	DPF	1	190.00	6.84	0.53	0.00	0.00	0.00	0.00	58.68
ASKA	Gadagada	DPF	2	155.00	10.32	1.94	0.65	0.00	0.00	0.00	24.36
ASKA	Gadagada	DPF	3	130.00	18.46	3.85	0.77	0.00	0.00	0.00	49.81
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Chemidi	DPF	1	345.00	3.19	1.74	0.29	0.00	0.00	0.00	110.10
ASKA	Chemidi	DPF	2	115.00	20.87	5.22	1.74	0.00	0.00	0.00	87.99
ASKA	Chemidi	DPF	3	355.00	6.48	1.41	0.00	0.00	0.00	0.00	58.87
ASKA	Chemidi	DPF	4	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	5	70.00	22.86	10.00	4.29	0.00	0.00	0.00	177.96
ASKA	Chemidi	DPF	6	230.00	7.83	0.87	0.43	0.00	0.00	0.00	46.72
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Machakhai	DPF	1	175.00	5.71	0.00	0.00	0.00	0.00	0.00	61.84
ASKA	Machakhai	DPF	2	165.00	16.97	1.21	0.00	0.00	0.00	0.00	38.72
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Hatimunda	DPF	1	175.00	12.57	4.57	1.71	0.57	0.00	0.00	20.21
ASKA	Hatimunda	DPF	2	180.00	15.56	2.78	0.00	0.56	0.00	0.00	25.02
ASKA	Hatimunda	DPF	3	90.00	18.89	8.89	0.00	3.33	0.00	0.00	98.66
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Suliaguda	DPF	1	265.00	8.30	3.77	1.13	0.00	0.00	0.00	36.71
ASKA	Suliaguda	DPF	2	195.00	24.62	8.72	0.00	0.00	0.00	0.00	186.24
ASKA	Suliaguda	DPF	3	235.00	23.40	2.98	0.85	0.00	0.00	0.00	130.93
ASKA	Suliaguda	DPF	4	180.00	17.22	7.22	0.56	0.00	0.00	0.00	51.73
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gouduni	PRF	1	142.33	16.16	5.62	2.11	0.70	0.00	0.00	37.07
ASKA	Gouduni	PRF	2	157.00	14.65	3.18	0.00	0.00	0.00	0.00	19.82
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Badagada-C	UDPF	1	340.00	12.65	1.47	0.59	0.00	0.00	0.00	20.13

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	2	305.00	20.33	2.62	0.98	0.00	0.00	0.00	75.19
ASKA	Badagada-C	UDPF	3	165.00	41.21	10.30	1.21	0.00	0.00	0.00	876.97
ASKA	Badagada-C	UDPF	4	315.00	22.22	3.17	0.63	0.00	0.00	0.00	106.84
ASKA	Badagada-C	UDPF	5	310.00	13.55	2.26	0.32	0.00	0.00	0.00	18.46
ASKA	Badagada-C	UDPF	6	275.00	25.09	10.18	2.91	0.00	0.00	0.00	222.05
ASKA	Badagada-C	UDPF	7	700.00	16.43	1.43	0.00	0.00	0.00	0.00	33.53
ASKA	Badagada-C	UDPF	8	325.00	19.69	2.15	0.00	0.00	0.00	0.00	66.10
ASKA	Badagada-C	UDPF	9	455.00	14.29	1.32	0.00	0.00	0.00	0.00	22.68
ASKA	Badagada-C	UDPF	10	485.00	8.04	2.47	0.62	1.24	0.00	0.00	41.70
ASKA	Badagada-C	UDPF	11	440.00	12.27	3.41	0.23	0.00	0.00	0.00	16.81
ASKA	Badagada-C	UDPF	12	460.00	15.00	1.52	0.00	0.00	0.00	0.00	24.64
ASKA	Badagada-C	UDPF	13	575.00	19.30	3.30	0.35	0.00	0.00	0.00	59.88
ASKA	Badagada-C	UDPF	14	340.00	30.00	3.24	0.59	0.00	0.00	0.00	315.07
ASKA	Badagada-C	UDPF	15	320.00	37.50	5.00	0.94	0.00	0.00	0.00	633.37
ASKA	Badagada-C	UDPF	16	385.00	36.36	4.68	0.52	0.00	0.00	0.00	577.17
ASKA	Badagada-C	UDPF	17	390.00	18.46	2.05	0.51	0.00	0.00	0.00	51.19
ASKA	Badagada-C	UDPF	18	395.00	8.86	0.51	0.00	0.00	0.00	0.00	39.13
ASKA	Badagada-C	UDPF	19	465.00	22.58	2.58	0.00	0.00	0.00	0.00	113.86
ASKA	Badagada-C	UDPF	20	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	21	390.00	10.77	3.33	0.51	0.00	0.00	0.00	20.37
ASKA	Badagada-C	UDPF	22	700.00	16.00	3.71	0.29	0.00	0.00	0.00	27.44
ASKA	Badagada-C	UDPF	23	355.00	23.66	3.10	0.56	0.00	0.00	0.00	136.28
ASKA	Badagada-C	UDPF	24	150.00	17.33	6.00	3.33	0.00	0.00	0.00	53.01
ASKA	Badagada-C	UDPF	25	270.00	8.89	2.22	0.00	0.00	0.00	0.00	32.07
ASKA	Badagada-C	UDPF	26	265.00	8.30	0.38	0.00	0.00	0.00	0.00	44.51
ASKA	Badagada-C	UDPF	27	355.00	29.58	3.38	0.85	0.00	0.00	0.00	300.76
ASKA	Badagada-C	UDPF	28	200.00	18.50	5.00	1.00	0.00	0.00	0.00	52.90
ASKA	Badagada-C	UDPF	29	210.00	53.81	5.71	0.95	0.00	0.00	0.00	1710.44

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	30	240.00	43.75	7.50	0.00	0.00	0.00	0.00	995.92
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Kantakhhol	DPF	1	270.00	15.56	4.44	2.22	0.00	0.00	0.00	28.84
ASKA	Kantakhhol	DPF	2	120.00	35.83	6.67	0.00	0.00	0.00	0.00	561.12
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Pandaripada	DPF	1	185.00	7.03	0.54	0.00	0.00	0.00	0.00	56.46
POLOSARA	Pandaripada	DPF	2	415.00	4.58	0.00	0.00	0.00	0.00	0.00	79.06
POLOSARA	Pandaripada	DPF	3	360.00	3.61	0.56	1.11	0.00	0.00	0.00	107.84
POLOSARA	Pandaripada	DPF	4	375.00	5.87	1.87	0.27	0.27	0.00	0.00	65.89
POLOSARA	Pandaripada	DPF	5	360.00	9.44	3.89	2.50	0.00	0.00	0.00	31.72
POLOSARA	Pandaripada	DPF	6	800.00	5.88	1.50	0.50	0.00	0.00	0.00	66.89
POLOSARA	Pandaripada	DPF	7	440.00	3.64	2.05	0.45	0.00	0.00	0.00	100.83
POLOSARA	Pandaripada	DPF	8	260.00	4.62	8.46	2.69	0.00	0.00	0.00	113.29
POLOSARA	Pandaripada	DPF	9	345.00	6.67	0.00	0.00	0.00	0.00	0.00	49.40
POLOSARA	Pandaripada	DPF	10	305.00	19.34	4.26	0.33	0.00	0.00	0.00	61.23
POLOSARA	Pandaripada	DPF	11	510.00	34.31	6.27	0.78	0.20	0.00	0.00	491.29
POLOSARA	Pandaripada	DPF	12	495.00	13.74	7.68	0.61	0.00	0.00	0.00	36.25
POLOSARA	Pandaripada	DPF	13	170.00	52.94	14.71	5.29	0.59	0.00	0.00	1786.79
POLOSARA	Pandaripada	DPF	14	375.00	20.80	6.40	1.07	0.00	0.00	0.00	91.40
POLOSARA	Pandaripada	DPF	15	410.00	30.00	5.61	1.71	0.24	0.00	0.00	321.69
POLOSARA	Pandaripada	DPF	16	565.00	12.21	4.07	0.18	0.00	0.00	0.00	17.40
POLOSARA	Pandaripada	DPF	17	270.00	19.63	6.67	1.11	0.00	0.00	0.00	75.62
POLOSARA	Pandaripada	DPF	18	365.00	40.82	13.15	0.00	0.00	0.00	0.00	901.54
POLOSARA	Pandaripada	DPF	19	330.00	14.55	3.64	0.00	0.00	0.00	0.00	19.48
POLOSARA	Pandaripada	DPF	20	260.00	13.08	0.00	0.00	0.00	0.00	0.00	12.85
POLOSARA	Pandaripada	DPF	21	110.00	30.00	57.27	53.64	25.45	0.00	0.91	6721.29
POLOSARA	Pandaripada	DPF	22	470.00	0.85	0.21	0.43	0.00	0.00	0.00	167.38
POLOSARA	Pandaripada	DPF	23	250.00	0.80	0.00	2.40	0.80	0.00	0.00	160.22

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Pandaripada	DPF	24	270.00	1.48	0.37	0.74	0.00	0.00	0.00	151.92
POLOSARA	Pandaripada	DPF	25	280.00	0.71	0.00	2.14	0.71	0.00	0.00	161.14
POLOSARA	Pandaripada	DPF	26	270.00	8.15	5.56	1.11	0.00	0.00	0.00	42.72
POLOSARA	Pandaripada	DPF	27	325.00	10.15	6.77	2.15	0.00	0.00	0.00	37.64
POLOSARA	Pandaripada	DPF	28	500.00	5.60	2.60	0.00	0.00	0.00	0.00	67.39
POLOSARA	Pandaripada	DPF	29	375.00	7.47	3.47	0.00	0.00	0.00	0.00	43.72
POLOSARA	Pandaripada	DPF	30	225.00	10.67	2.67	0.00	0.00	0.00	0.00	20.79
POLOSARA	Pandaripada	DPF	31	200.00	14.00	6.50	0.00	0.00	0.00	0.00	27.59
POLOSARA	Pandaripada	DPF	32	260.00	1.15	0.38	0.00	0.00	0.00	0.00	158.76
POLOSARA	Pandaripada	DPF	33	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	34	335.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	35	375.00	37.07	4.27	0.53	0.00	0.00	0.00	609.99
POLOSARA	Pandaripada	DPF	36	475.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	37	385.00	33.77	3.12	0.00	0.00	0.00	0.00	458.96
POLOSARA	Pandaripada	DPF	38	125.00	55.20	18.40	0.80	0.00	0.00	0.00	2047.23
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Bhalukhai	DPF	1	13.20	0.00	0.00	15.15	7.58	0.00	0.00	280.33
POLOSARA	Sodaka-A	DPF	1	400.00	34.75	4.00	0.50	0.00	0.00	0.00	502.15
POLOSARA	Sodaka-B	DPF	1	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Kakudia	DPF	1	85.02	152.91	14.11	0.00	0.00	0.00	0.00	19782.84
POLOSARA	Jokalundi	PRF	1	390.00	6.67	5.90	0.00	0.00	0.00	0.00	59.21
POLOSARA	Paikajamuna	DPF	1	335.48	4.47	1.19	3.28	5.07	1.49	0.30	132.57
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Purunapani Daburia	PRF	1	320.00	18.13	11.88	0.00	0.00	0.00	0.00	117.81
POLOSARA	Purunapani Daburia	PRF	2	275.00	0.00	0.00	17.82	11.64	1.09	0.00	450.67
POLOSARA	Purunapani Daburia	PRF	3	345.00	0.00	0.00	0.00	2.61	0.29	0.00	9.52
POLOSARA	Purunapani Daburia	PRF	4	470.00	10.85	4.68	3.83	2.13	1.06	0.00	42.39
POLOSARA	Purunapani Daburia	PRF	5	325.00	15.08	0.00	0.00	4.00	0.31	0.31	38.63

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Purunapani Daburia	PRF	6	380.00	0.00	0.00	0.00	0.00	1.84	0.00	6.70
POLOSARA	Purunapani Daburia	PRF	7	240.00	3.75	4.58	0.00	4.17	0.00	0.00	119.09
POLOSARA	Purunapani Daburia	PRF	8	170.00	17.06	0.00	0.00	0.00	1.18	0.00	34.99
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Khaladimal	PRF	1	400.00	8.75	2.50	1.75	1.50	0.00	0.25	38.36
POLOSARA	Khaladimal	PRF	2	275.00	0.00	1.45	0.73	0.00	0.00	0.00	7.51
POLOSARA	Khaladimal	PRF	3	125.00	20.80	18.40	0.00	0.00	0.00	0.00	307.60
POLOSARA	Khaladimal	PRF	4	135.00	11.11	2.96	8.15	12.59	3.70	0.74	269.54
POLOSARA	Khaladimal	PRF	5	430.00	0.00	0.93	0.47	0.00	0.00	0.00	9.71
POLOSARA	Khaladimal	PRF	6	150.00	15.33	26.00	21.33	8.00	2.00	0.00	1050.29
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-A	UDPF	1	205.00	20.49	8.29	0.00	0.00	0.00	0.00	100.73
BADAGADA	Badagada-A	UDPF	2	100.00	48.00	23.00	2.00	0.00	0.00	0.00	1649.20
BADAGADA	Badagada-A	UDPF	3	395.00	9.62	3.29	0.51	0.00	0.00	0.00	26.18
BADAGADA	Badagada-A	UDPF	4	380.00	24.21	8.42	1.84	0.00	0.00	0.00	176.04
BADAGADA	Badagada-A	UDPF	5	345.00	19.42	5.22	0.58	0.00	0.00	0.00	64.87
BADAGADA	Badagada-A	UDPF	6	285.00	16.84	6.32	1.40	0.00	0.00	0.00	43.14
BADAGADA	Badagada-A	UDPF	7	340.00	8.24	6.47	0.59	0.00	0.00	0.00	46.39
BADAGADA	Badagada-A	UDPF	8	355.00	13.52	5.07	1.13	0.00	0.00	0.00	20.55
BADAGADA	Badagada-A	UDPF	9	430.00	6.98	2.33	0.70	0.23	0.00	0.00	50.71
BADAGADA	Badagada-A	UDPF	10	220.00	12.27	5.00	1.36	0.00	0.00	0.00	20.25
BADAGADA	Badagada-A	UDPF	11	250.00	14.40	2.80	0.40	0.00	0.00	0.00	19.67
BADAGADA	Badagada-A	UDPF	12	375.00	0.53	0.00	0.00	0.00	0.00	0.00	161.31
BADAGADA	Badagada-A	UDPF	13	270.00	2.96	0.00	0.00	0.00	0.00	0.00	107.98
BADAGADA	Badagada-A	UDPF	14	355.00	9.30	2.25	0.85	0.00	0.00	0.00	29.65
BADAGADA	Badagada-A	UDPF	15	655.00	7.33	2.75	0.61	0.00	0.00	0.00	46.04
BADAGADA	Badagada-A	UDPF	16	530.00	6.23	2.26	0.19	0.00	0.00	0.00	60.02
BADAGADA	Badagada-A	UDPF	17	315.00	29.21	10.16	2.22	0.00	0.00	0.00	337.59

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Badagada-A	UDPF	18	435.00	20.00	7.13	1.61	0.00	0.00	0.00	85.01
BADAGADA	Badagada-A	UDPF	19	345.00	19.42	5.22	0.58	0.00	0.00	0.00	64.87
BADAGADA	Badagada-A	UDPF	20	820.00	4.63	1.59	0.24	0.00	0.00	0.00	85.17
BADAGADA	Badagada-A	UDPF	21	535.00	7.85	3.18	0.00	0.00	0.00	0.00	39.85
BADAGADA	Badagada-A	UDPF	22	295.00	16.27	7.80	0.68	0.00	0.00	0.00	48.89
BADAGADA	Badagada-A	UDPF	23	275.00	17.45	8.36	0.00	0.00	0.00	0.00	63.53
BADAGADA	Badagada-A	UDPF	24	260.00	15.00	7.31	0.00	0.00	0.00	0.00	36.87
BADAGADA	Badagada-A	UDPF	25	365.00	17.53	6.30	0.27	0.00	0.00	0.00	48.40
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-B	UDPF	1	540.00	25.56	5.56	1.30	0.19	0.00	0.00	186.70
BADAGADA	Badagada-B	UDPF	2	290.00	30.00	10.69	2.41	0.00	0.00	0.00	372.60
BADAGADA	Badagada-B	UDPF	3	465.00	7.10	2.58	0.22	0.00	0.00	0.00	48.87
BADAGADA	Badagada-B	UDPF	4	190.00	33.16	8.95	1.05	0.00	0.00	0.00	465.72
BADAGADA	Badagada-B	UDPF	5	205.00	42.93	3.41	0.98	0.00	0.00	0.00	929.08
BADAGADA	Badagada-B	UDPF	6	555.00	10.45	2.70	0.72	0.18	0.00	0.00	22.16
BADAGADA	Badagada-B	UDPF	7	670.00	21.34	6.12	2.39	0.00	0.00	0.00	102.18
BADAGADA	Badagada-B	UDPF	8	460.00	10.43	5.00	0.43	0.00	0.00	0.00	24.48
BADAGADA	Badagada-B	UDPF	9	140.00	45.00	12.14	1.43	0.00	0.00	0.00	1136.46
BADAGADA	Badagada-B	UDPF	10	190.00	30.53	7.89	2.11	0.53	0.00	0.00	357.30
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Goudagotha	DPF	1	237.50	58.11	12.63	2.95	0.42	0.00	0.00	2168.58
BADAGADA	Goudagotha	DPF	2	240.00	36.25	12.92	2.92	0.00	0.00	0.00	667.45
BADAGADA	Goudagotha	DPF	3	265.00	12.45	4.53	0.38	0.00	0.00	0.00	18.00
BADAGADA	Goudagotha	DPF	4	430.00	14.65	3.95	0.47	0.00	0.00	0.00	20.62
BADAGADA	Goudagotha	DPF	5	512.50	17.17	1.37	0.39	0.00	0.00	0.00	40.30
BADAGADA	Goudagotha	DPF	6	442.50	7.46	2.71	0.23	0.00	0.00	0.00	44.74
BADAGADA	Goudagotha	DPF	7	380.00	16.84	6.05	0.26	0.00	0.00	0.00	40.82
BADAGADA	Goudagotha	DPF	8	280.00	13.93	6.79	0.00	0.00	0.00	0.00	29.29

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Goudagotha	DPF	9	410.00	11.71	5.61	0.00	0.00	0.00	0.00	22.18
BADAGADA	Goudagotha	DPF	10	370.00	11.35	4.59	0.00	0.00	0.00	0.00	19.49
BADAGADA	Goudagotha	DPF	11	332.50	14.44	6.92	0.60	0.00	0.00	0.00	32.17
BADAGADA	Goudagotha	DPF	12	370.00	10.27	3.51	0.54	0.00	0.00	0.00	22.59
BADAGADA	Goudagotha	DPF	13	330.00	27.88	9.70	2.12	0.00	0.00	0.00	289.17
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Merikote	DPF	1	599.24	11.18	3.00	0.33	0.00	0.00	0.00	19.07
BADAGADA	Merikote	DPF	2	435.50	11.02	4.13	0.92	0.00	0.00	0.00	20.25
BADAGADA	Merikote	DPF	3	555.50	5.04	3.96	0.36	0.00	0.00	0.00	75.94
BADAGADA	Merikote	DPF	4	498.00	6.02	2.01	0.60	0.20	0.00	0.00	63.24
BADAGADA	Merikote	DPF	5	463.00	5.83	2.38	0.65	0.00	0.00	0.00	65.04
BADAGADA	Merikote	DPF	6	560.50	6.42	1.25	0.18	0.00	0.00	0.00	60.77
BADAGADA	Merikote	DPF	7	408.00	0.49	0.00	0.00	0.00	0.00	0.00	162.36
BADAGADA	Merikote	DPF	8	435.50	1.84	0.00	0.00	0.00	0.00	0.00	131.23
BADAGADA	Merikote	DPF	9	503.00	6.56	1.59	0.60	0.00	0.00	0.00	57.66
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Raipada	RF	1	506.65	5.33	2.17	0.59	0.00	0.00	0.00	72.64
BADAGADA	Raipada	RF	2	554.57	12.98	1.44	0.00	0.00	0.00	0.00	19.81
BADAGADA	Raipada	RF	3	489.60	27.37	3.27	0.00	0.00	0.00	0.00	230.60
BADAGADA	Raipada	RF	4	527.15	21.25	2.85	0.00	0.00	0.00	0.00	88.99
BADAGADA	Raipada	RF	5	719.30	15.57	1.39	0.00	0.00	0.00	0.00	28.06
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Srirampalli	PRF	1	410.00	8.29	0.73	0.24	0.00	0.00	0.00	43.12
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Mahisikhata	UDPF	1	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Mahisikhata	UDPF	2	328.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

Total Block Area:

111680.09

TOTAL: 4075.73 1294.17 435.32 158.87 24.19 4.16 5992.43

MEAN: 13.72 4.36 1.47 0.53 0.08 0.01 20.18

STDEV: 13.69 4.92 3.77 1.97 0.32 0.08 24.75

Std. Error (mean): 0.79 0.29 0.22 0.11 0.02 0.00 1.44

All Blocks (Tree): 1532584.72 486642.18 163690.95 59740.22 9095.99 1564.37 2253318.43

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

MAHULA

SORADA	Pondakhol	RF	1	526.00	2.89	2.32	0.99	0.30	0.08	0.11	14.57
SORADA	Pondakhol	RF	2	332.90	4.57	3.66	1.56	0.48	0.12	0.18	20.62
SORADA	Pondakhol	RF	3	441.33	2.13	1.68	2.18	0.59	0.32	0.23	22.78
SORADA	Pondakhol	RF	4	229.51	2.00	2.00	2.53	0.17	0.17	0.09	24.93
SORADA	Pondakhol	RF	5[a]	383.66	5.89	4.90	2.81	0.99	0.57	0.10	41.01
SORADA	Pondakhol	RF	6	313.42	2.17	3.38	1.21	0.38	0.06	0.06	23.55
SORADA	Pondakhol	RF	7	378.14	5.98	4.97	1.53	0.63	0.58	0.11	33.42
SORADA	Pondakhol	RF	8	344.37	1.80	0.81	0.41	0.35	0.06	0.00	15.05
SORADA	Pondakhol	RF	9	419.68	0.48	0.29	0.38	0.19	0.00	0.00	24.11
SORADA	Pondakhol	RF	10	240.38	4.74	2.75	3.24	0.83	0.17	0.00	26.98
SORADA	Pondakhol	RF	11	487.22	3.98	2.34	1.11	0.25	0.12	0.00	12.07
SORADA	Pondakhol	RF	12	334.67	1.85	1.02	1.43	0.36	0.06	0.00	18.17
SORADA	Pondakhol	RF	13	567.05	1.13	1.13	0.53	0.21	0.00	0.04	19.68
SORADA	Pondakhol	RF	14	618.00	9.48	4.11	0.97	0.19	0.03	0.00	42.81
SORADA	Pondakhol	RF	15	397.54	3.57	0.80	0.86	0.45	0.00	0.00	9.18
SORADA	Pondakhol	RF	16	596.30	9.83	6.67	2.48	1.07	0.23	0.07	81.43
SORADA	Pondakhol	RF	17	340.33	3.70	3.41	1.94	0.88	0.18	0.00	23.10
SORADA	Pondakhol	RF	18	569.36	2.74	1.16	0.46	0.21	0.14	0.04	10.73
SORADA	Pondakhol	RF	19	282.80	4.74	2.69	0.78	0.50	0.07	0.42	12.75
SORADA	Pondakhol	RF	20	465.08	1.20	0.77	0.39	0.13	0.09	0.09	18.50
SORADA	Pondakhol	RF	21	294.44	2.24	0.75	0.27	0.07	0.07	0.00	11.78
SORADA	Pondakhol	RF	22	321.75	3.36	0.99	0.12	0.19	0.06	0.00	7.60
SORADA	Pondakhol	RF	23	520.35	3.15	1.38	0.65	0.35	0.12	0.04	10.32
SORADA	Pondakhol	RF	24	175.17	6.74	1.83	1.03	0.23	0.00	0.00	13.46
SORADA	Pondakhol	RF	25	288.94	1.59	0.76	0.00	0.00	0.00	0.00	15.18
SORADA	Pondakhol	RF	26	149.20	1.61	0.13	0.00	0.00	0.00	0.00	15.19
SORADA	Pondakhol	RF	27[a]	449.26	5.56	3.34	1.34	0.80	0.13	0.00	19.20

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Pondakhhol	RF	28	419.35	4.96	3.67	0.76	0.24	0.05	0.00	16.86
SORADA	Pondakhhol	RF	29[a]	578.64	7.74	2.66	0.14	0.00	0.00	0.00	18.81
SORADA	Pondakhhol	RF	30	563.18	4.62	1.53	0.14	0.00	0.00	0.00	6.24
SORADA	Pondakhhol	RF	31	475.59	7.95	6.56	1.47	0.08	0.00	0.00	55.78
SORADA	Pondakhhol	RF	32	478.34	5.10	3.39	1.42	0.17	0.00	0.00	17.38
SORADA	Pondakhhol	RF	33	346.47	2.19	1.04	0.17	0.00	0.00	0.00	12.00
SORADA	Pondakhhol	RF	34	567.05	5.11	3.67	2.36	0.71	0.25	0.04	25.74
SORADA	Pondakhhol	RF	35	456.52	3.77	3.20	1.84	0.61	0.66	0.09	21.81
SORADA	Pondakhhol	RF	36[a]	286.58	1.88	1.40	0.56	0.00	0.00	0.00	14.94
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[a]	250.90	3.83	1.67	0.00	0.16	0.08	0.00	7.63
SORADA	Dhaugam	RF	2[a]	375.20	3.25	2.19	0.75	0.11	0.00	0.00	11.56
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pondakhhol	RF	5[b]	100.82	2.98	0.00	0.00	0.00	0.00	0.00	7.82
SORADA	Pondakhhol	RF	27[b]	245.62	8.55	0.41	0.81	0.41	0.00	0.00	22.12
SORADA	Pondakhhol	RF	29[b]	198.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	36[b]	301.19	6.97	1.00	0.33	0.33	0.00	0.00	11.38
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[b]	203.06	14.28	10.34	0.00	0.98	0.00	0.00	195.08
SORADA	Dhaugam	RF	2[b]	203.04	9.36	0.00	0.00	0.00	0.49	0.00	27.19
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pipalpanka	RF	1	441.76	1.81	1.58	0.00	0.00	0.00	0.00	14.90
SORADA	Pipalpanka	RF	2	553.13	0.72	0.54	0.18	0.00	0.00	0.00	21.39
SORADA	Pipalpanka	RF	3	606.03	1.16	0.50	0.50	0.17	0.17	0.00	19.18
SORADA	Pipalpanka	RF	4	558.20	2.87	1.07	0.00	0.36	0.00	0.00	9.66
SORADA	Pipalpanka	RF	5	600.22	3.67	2.00	0.00	0.17	0.17	0.00	8.98
SORADA	Pipalpanka	RF	6	637.06	1.88	0.94	0.00	0.00	0.00	0.00	13.55
					0.00	0.00	0.00	0.00	0.00	0.00	

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Mundapita	RF	1	627.36	2.23	0.00	0.00	0.00	0.00	0.00	10.99
SORADA	Mundapita	RF	2	553.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	3	610.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	4	476.29	2.10	0.00	0.00	0.00	0.00	0.00	11.66
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Hukuma	RF	1	692.91	2.45	0.58	0.00	0.00	0.00	0.00	10.47
SORADA	Hukuma	RF	2	531.01	2.64	0.56	0.00	0.00	0.00	0.00	9.66
SORADA	Hukuma	RF	3	522.48	4.40	1.72	0.00	0.00	0.00	0.00	6.78
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Bondhagocha	RF	1	613.64	6.03	3.75	1.79	1.30	0.00	0.00	26.42
SORADA	Bondhagocha	RF	2	693.69	5.33	3.32	1.59	1.15	0.00	0.00	20.91
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhepaguda	RF	1	334.78	3.88	0.90	0.00	0.00	0.00	0.00	6.12
SORADA	Dhepaguda	RF	2	493.00	1.83	0.81	0.00	0.61	0.00	0.00	15.08
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dabuki	RF	1	506.32	4.54	0.40	0.00	0.00	0.00	0.00	5.33
SORADA	Pankalagam	RF	1	265.59	8.28	4.52	0.00	0.38	0.38	0.00	35.13
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Budurung	RF	1	316.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Chamunda	RF	1	265.59	5.65	0.00	0.00	0.00	0.00	0.00	5.57
BUGUDA	Kadapada	RF	1	677.36	2.66	0.00	0.00	0.00	0.00	0.00	9.04
BUGUDA	Kumarsuni Vishnucha	RF	1	1081.95	1.66	0.00	0.00	0.00	0.00	0.00	14.15
BUGUDA	Binodia	RF	1	209.96	7.14	0.00	0.00	0.00	0.00	0.00	10.55
BUGUDA	Tangarai	RF	1	817.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Nagiri	RF	1	449.55	2.89	0.00	0.00	0.00	0.00	0.00	8.12
BUGUDA	Solundi	RF	1	362.75	2.21	0.00	0.00	0.00	0.00	0.00	11.12
BUGUDA	Jhollery	RF	1	914.98	3.17	0.55	0.00	0.00	0.00	0.00	7.71
BUGUDA	Sandasulia	RF	1	848.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BUGUDA	Panchabhuti-C	RF	1	198.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-B	RF	1	354.66	1.13	1.41	0.28	0.28	0.00	0.00	19.69
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kurchuli-A	RF	1	390.76	1.02	1.28	0.26	0.26	0.00	0.00	20.13
BUGUDA	Kurchuli-A	RF	2	646.22	0.00	0.31	0.31	0.00	0.00	0.00	0.87
BUGUDA	Kurchuli-A	RF	3	533.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	4	662.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kriamba-Jadupadi	RF	1	432.88	2.77	0.00	0.00	0.00	0.00	0.00	8.57
BUGUDA	Kriamba-Jadupadi	RF	2	639.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	3	555.56	11.34	5.58	2.34	0.36	0.18	0.00	83.59
BUGUDA	Kriamba-Jadupadi	RF	4	959.71	4.69	2.29	0.42	0.00	0.00	0.00	8.85
BUGUDA	Kriamba-Jadupadi	RF	5	714.56	6.58	0.98	0.14	0.00	0.00	0.00	8.85
BUGUDA	Kriamba-Jadupadi	RF	6	756.83	1.45	0.53	0.00	0.00	0.00	0.00	16.02
BUGUDA	Kriamba-Jadupadi	RF	7	858.22	2.45	0.00	0.00	0.00	0.00	0.00	9.95
BUGUDA	Kriamba-Jadupadi	RF	8	498.73	21.86	18.05	0.60	0.00	0.00	0.40	606.29
BUGUDA	Kriamba-Jadupadi	RF	9	465.24	10.53	0.43	0.00	0.00	0.00	0.00	38.92
BUGUDA	Kriamba-Jadupadi	RF	10	733.69	1.09	0.41	0.00	0.00	0.00	0.00	18.55
BUGUDA	Kriamba-Jadupadi	RF	11	786.82	2.16	0.25	0.00	0.00	0.00	0.00	11.97
BUGUDA	Kriamba-Jadupadi	RF	12	443.23	2.03	0.00	0.00	0.00	0.00	0.00	12.03
BUGUDA	Kriamba-Jadupadi	RF	13	876.22	1.94	0.00	0.00	0.00	0.00	0.00	12.53
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Panchabhuti-A	RF	1	609.28	1.64	0.33	0.00	0.00	0.00	0.00	14.87
BUGUDA	Panchabhuti-A	RF	2	282.83	4.24	1.06	0.00	0.00	0.00	0.00	5.78
BUGUDA	Panchabhuti-A	RF	3	529.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Panchabhuti-A	RF	4	368.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-I	DPF	1	410.00	4.15	1.95	0.00	0.00	0.00	0.00	7.61

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Kansa	DPF	1	181.53	7.71	2.75	0.55	0.00	0.00	0.00	19.87
ASKA	Badadanda	DPF	1	50.00	24.00	0.00	0.00	0.00	0.00	0.00	375.98
ASKA	Chapudia	DPF	1	260.00	11.54	1.15	0.00	0.00	0.00	0.00	51.97
ASKA	Rasibadi	DPF	1	370.00	4.05	0.54	0.00	0.00	0.00	0.00	5.73
ASKA	Bhumi dimiripalli	PRF	1	15.89	18.88	0.00	0.00	0.00	0.00	0.00	204.89
ASKA	Badua	PRF	1	80.00	13.75	1.25	0.00	0.00	0.00	0.00	87.10
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-II	DPF	1	355.00	2.82	0.85	0.28	0.00	0.00	0.00	9.26
ASKA	Malijhar-II	DPF	2	260.00	5.38	1.54	0.38	0.00	0.00	0.00	7.13
ASKA	Malijhar-II	DPF	3	300.00	9.00	3.67	0.00	0.00	0.00	0.00	33.27
ASKA	Malijhar-II	DPF	4	260.00	5.38	3.08	1.54	0.00	0.00	0.00	16.32
ASKA	Malijhar-II	DPF	5	345.00	5.80	2.61	0.58	0.00	0.00	0.00	11.57
ASKA	Malijhar-II	DPF	6	215.00	3.72	0.93	0.00	0.00	0.00	0.00	6.45
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Ambadaban	DPF	1	175.00	3.43	0.00	0.00	0.00	0.00	0.00	6.43
ASKA	Ambadaban	DPF	2	470.00	1.49	0.00	0.00	0.00	0.00	0.00	15.25
ASKA	Ambadaban	DPF	3	140.00	5.71	0.00	0.00	0.00	0.00	0.00	5.70
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Pakadi	DPF	1	250.00	9.20	2.80	0.00	0.00	0.00	0.00	30.34
ASKA	Pakadi	DPF	2	240.00	2.92	0.00	0.00	0.00	0.00	0.00	8.03
ASKA	Pakadi	DPF	3	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	4	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	5	220.00	5.00	0.00	0.00	0.00	0.00	0.00	4.80
ASKA	Pakadi	DPF	6	270.00	4.44	0.00	0.00	0.00	0.00	0.00	4.82
ASKA	Pakadi	DPF	7	130.00	4.62	0.00	0.00	0.00	0.00	0.00	4.75
ASKA	Pakadi	DPF	8	130.00	5.38	0.00	0.00	0.00	0.00	0.00	5.16
ASKA	Pakadi	DPF	9	140.00	5.00	0.00	0.00	0.00	0.00	0.00	4.80
ASKA	Pakadi	DPF	10	110.00	6.36	0.00	0.00	0.00	0.00	0.00	7.39

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gadagada	DPF	1	190.00	6.32	0.53	0.00	0.00	0.00	0.00	7.78
ASKA	Gadagada	DPF	2	155.00	7.74	0.00	0.00	0.00	0.00	0.00	13.79
ASKA	Gadagada	DPF	3	130.00	14.62	0.00	0.00	0.00	0.00	0.00	102.41
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Chemidi	DPF	1	345.00	2.90	1.74	0.29	0.00	0.00	0.00	10.32
ASKA	Chemidi	DPF	2	115.00	19.13	4.35	0.00	0.00	0.00	0.00	227.08
ASKA	Chemidi	DPF	3	355.00	17.75	1.13	0.00	0.00	0.00	0.00	174.99
ASKA	Chemidi	DPF	4	180.00	12.22	1.11	0.00	0.00	0.00	0.00	61.70
ASKA	Chemidi	DPF	5	70.00	25.71	8.57	0.00	0.00	0.00	0.00	510.03
ASKA	Chemidi	DPF	6	230.00	9.57	0.00	0.00	0.00	0.00	0.00	28.09
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Machakhai	DPF	1	175.00	2.86	0.00	0.00	0.00	0.00	0.00	8.25
ASKA	Machakhai	DPF	2	165.00	10.30	0.00	0.00	0.00	0.00	0.00	35.77
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Hatimunda	DPF	1	175.00	13.14	1.14	0.00	0.00	0.00	0.00	76.37
ASKA	Hatimunda	DPF	2	180.00	9.44	2.22	0.00	0.00	0.00	0.00	30.31
ASKA	Hatimunda	DPF	3	90.00	15.56	3.33	0.00	0.00	0.00	0.00	130.22
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Suliaguda	DPF	1	265.00	5.66	1.13	0.00	0.00	0.00	0.00	6.48
ASKA	Suliaguda	DPF	2	195.00	10.26	2.56	0.00	0.00	0.00	0.00	39.89
ASKA	Suliaguda	DPF	3	235.00	7.66	2.55	0.00	0.00	0.00	0.00	17.90
ASKA	Suliaguda	DPF	4	180.00	15.00	0.00	0.00	0.00	0.00	0.00	110.16
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gouduni	PRF	1	142.33	16.16	6.32	0.00	0.00	0.00	0.00	169.31
ASKA	Gouduni	PRF	2	157.00	8.92	0.00	0.00	0.00	0.00	0.00	22.25
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Badagada-C	UDPF	1	340.00	2.94	0.00	0.00	0.00	0.00	0.00	7.94

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	2	305.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	3	165.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	4	315.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	5	310.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	6	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	7	700.00	2.14	0.00	0.00	0.00	0.00	0.00	11.44
ASKA	Badagada-C	UDPF	8	325.00	4.92	0.00	0.00	0.00	0.00	0.00	4.77
ASKA	Badagada-C	UDPF	9	455.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	10	485.00	2.68	1.44	0.00	0.00	0.00	0.00	10.30
ASKA	Badagada-C	UDPF	11	440.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	12	460.00	3.26	0.65	0.22	0.00	0.00	0.00	7.56
ASKA	Badagada-C	UDPF	13	575.00	2.09	0.00	0.00	0.00	0.00	0.00	11.73
ASKA	Badagada-C	UDPF	14	340.00	4.41	0.59	0.00	0.00	0.00	0.00	5.38
ASKA	Badagada-C	UDPF	15	320.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	16	385.00	3.12	0.00	0.00	0.00	0.00	0.00	7.34
ASKA	Badagada-C	UDPF	17	390.00	4.36	0.00	0.00	0.00	0.00	0.00	4.87
ASKA	Badagada-C	UDPF	18	395.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	19	465.00	4.30	0.65	0.00	0.00	0.00	0.00	5.47
ASKA	Badagada-C	UDPF	20	470.00	5.74	0.00	0.00	0.00	0.00	0.00	5.76
ASKA	Badagada-C	UDPF	21	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	22	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	23	355.00	5.07	0.85	0.28	0.00	0.00	0.00	5.71
ASKA	Badagada-C	UDPF	24	150.00	6.00	2.67	0.67	0.00	0.00	0.00	12.51
ASKA	Badagada-C	UDPF	25	270.00	10.00	0.37	0.00	0.00	0.00	0.00	33.05
ASKA	Badagada-C	UDPF	26	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	27	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	28	200.00	5.00	0.00	0.00	0.00	0.00	0.00	4.80
ASKA	Badagada-C	UDPF	29	210.00	14.29	0.00	0.00	0.00	0.00	0.00	96.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	30	240.00	15.83	3.75	0.00	0.00	0.00	0.00	138.81
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Kantakhhol	DPF	1	270.00	12.22	4.07	0.00	0.00	0.00	0.00	73.87
ASKA	Kantakhhol	DPF	2	120.00	19.17	0.00	0.00	0.00	0.00	0.00	213.09
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Pandaripada	DPF	1	185.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	2	415.00	1.93	0.72	0.00	0.00	0.00	0.00	13.17
POLOSARA	Pandaripada	DPF	3	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	4	375.00	2.40	0.53	0.00	0.00	0.00	0.00	10.71
POLOSARA	Pandaripada	DPF	5	360.00	2.22	0.00	0.00	0.00	0.00	0.00	11.03
POLOSARA	Pandaripada	DPF	6	800.00	1.13	0.00	0.00	0.00	0.00	0.00	17.74
POLOSARA	Pandaripada	DPF	7	440.00	4.77	1.82	1.36	0.00	0.23	0.00	10.74
POLOSARA	Pandaripada	DPF	8	260.00	17.31	8.46	1.54	0.00	0.00	0.00	230.35
POLOSARA	Pandaripada	DPF	9	345.00	12.17	6.67	2.03	0.58	0.00	0.00	105.98
POLOSARA	Pandaripada	DPF	10	305.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	11	510.00	2.35	0.00	0.00	0.00	0.00	0.00	10.39
POLOSARA	Pandaripada	DPF	12	495.00	9.49	1.41	0.20	0.00	0.00	0.00	28.80
POLOSARA	Pandaripada	DPF	13	170.00	6.47	2.35	0.00	0.00	0.00	0.00	11.58
POLOSARA	Pandaripada	DPF	14	375.00	2.93	0.53	0.00	0.00	0.00	0.00	8.51
POLOSARA	Pandaripada	DPF	15	410.00	9.27	0.00	0.00	0.00	0.00	0.00	25.31
POLOSARA	Pandaripada	DPF	16	565.00	2.30	0.00	0.00	0.00	0.00	0.00	10.64
POLOSARA	Pandaripada	DPF	17	270.00	2.96	0.00	0.00	0.00	0.00	0.00	7.86
POLOSARA	Pandaripada	DPF	18	365.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	19	330.00	5.15	0.00	0.00	0.00	0.00	0.00	4.91
POLOSARA	Pandaripada	DPF	20	260.00	13.08	4.62	1.15	0.00	0.00	0.77	94.92
POLOSARA	Pandaripada	DPF	21	110.00	68.18	70.91	0.00	0.00	0.00	0.00	8983.02
POLOSARA	Pandaripada	DPF	22	470.00	0.85	1.06	0.21	0.21	0.00	0.00	21.00
POLOSARA	Pandaripada	DPF	23	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Pandaripada	DPF	24	270.00	1.48	1.85	0.37	0.37	0.00	0.00	18.61
POLOSARA	Pandaripada	DPF	25	280.00	0.00	0.71	0.71	0.00	0.00	0.00	1.80
POLOSARA	Pandaripada	DPF	26	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	27	325.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	28	500.00	2.40	0.60	0.00	0.00	0.00	0.00	10.71
POLOSARA	Pandaripada	DPF	29	375.00	3.20	0.80	0.00	0.00	0.00	0.00	7.69
POLOSARA	Pandaripada	DPF	30	225.00	4.44	0.89	0.00	0.00	0.00	0.00	5.48
POLOSARA	Pandaripada	DPF	31	200.00	6.00	1.50	0.00	0.00	0.00	0.00	7.80
POLOSARA	Pandaripada	DPF	32	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	33	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	34	335.00	8.66	1.49	0.00	0.00	0.00	0.00	21.58
POLOSARA	Pandaripada	DPF	35	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	36	475.00	3.16	0.00	0.00	0.00	0.00	0.00	7.21
POLOSARA	Pandaripada	DPF	37	385.00	4.68	0.00	0.00	0.00	0.00	0.00	4.74
POLOSARA	Pandaripada	DPF	38	125.00	10.40	0.00	0.00	0.00	0.00	0.00	36.86
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Bhalukhai	DPF	1	13.20	22.73	0.00	0.00	0.00	7.58	0.00	399.71
POLOSARA	Sodaka-A	DPF	1	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Sodaka-B	DPF	1	430.00	3.49	0.00	0.00	0.00	0.00	0.00	6.28
POLOSARA	Kakudia	DPF	1	85.02	21.17	0.00	0.00	0.00	0.00	0.00	274.98
POLOSARA	Jokalundi	PRF	1	390.00	8.46	0.00	0.00	2.82	1.79	0.00	37.72
POLOSARA	Paikajamuna	DPF	1	335.48	9.84	2.98	0.00	0.00	0.30	0.60	38.44
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Purunapani Daburia	PRF	1	320.00	14.06	0.00	0.00	0.00	0.63	0.63	93.87
POLOSARA	Purunapani Daburia	PRF	2	275.00	2.91	0.00	0.00	0.00	0.00	0.36	8.42
POLOSARA	Purunapani Daburia	PRF	3	345.00	6.67	0.00	0.00	0.58	0.00	0.00	9.68
POLOSARA	Purunapani Daburia	PRF	4	470.00	1.49	1.70	0.43	0.00	0.00	0.21	17.87
POLOSARA	Purunapani Daburia	PRF	5	325.00	1.54	2.15	4.00	0.62	0.00	0.31	40.76

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Purunapani Daburia	PRF	6	380.00	0.00	0.79	0.00	0.00	0.00	0.00	0.60
POLOSARA	Purunapani Daburia	PRF	7	240.00	0.00	0.00	0.00	3.33	1.25	1.25	21.71
POLOSARA	Purunapani Daburia	PRF	8	170.00	0.00	0.00	7.65	2.35	0.59	0.00	79.16
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Khaladimal	PRF	1	400.00	0.50	0.50	0.25	0.00	0.50	0.00	24.44
POLOSARA	Khaladimal	PRF	2	275.00	0.36	0.73	1.82	0.00	0.36	0.00	30.60
POLOSARA	Khaladimal	PRF	3	125.00	26.40	0.00	0.00	8.80	5.60	0.00	608.12
POLOSARA	Khaladimal	PRF	4	135.00	5.93	2.96	4.44	2.22	0.74	0.74	49.16
POLOSARA	Khaladimal	PRF	5	430.00	0.00	0.47	1.16	0.00	0.23	0.00	3.61
POLOSARA	Khaladimal	PRF	6	150.00	11.33	8.67	11.33	1.33	0.00	0.00	262.05
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-A	UDPF	1	205.00	8.29	1.95	0.00	0.00	0.00	0.00	19.94
BADAGADA	Badagada-A	UDPF	2	100.00	22.00	3.00	0.00	0.00	0.00	0.00	309.50
BADAGADA	Badagada-A	UDPF	3	395.00	5.57	1.52	0.00	0.00	0.00	0.00	6.93
BADAGADA	Badagada-A	UDPF	4	380.00	3.42	0.53	0.00	0.00	0.00	0.00	6.99
BADAGADA	Badagada-A	UDPF	5	345.00	5.51	0.87	0.00	0.00	0.00	0.00	5.98
BADAGADA	Badagada-A	UDPF	6	285.00	4.91	1.05	0.00	0.00	0.00	0.00	5.57
BADAGADA	Badagada-A	UDPF	7	340.00	0.88	0.59	0.00	0.00	0.00	0.00	20.10
BADAGADA	Badagada-A	UDPF	8	355.00	3.94	0.85	0.00	0.00	0.00	0.00	5.99
BADAGADA	Badagada-A	UDPF	9	430.00	6.98	2.33	0.23	0.00	0.00	0.00	13.64
BADAGADA	Badagada-A	UDPF	10	220.00	7.73	2.73	0.00	0.00	0.00	0.00	19.03
BADAGADA	Badagada-A	UDPF	11	250.00	12.40	2.00	0.00	0.00	0.00	0.00	66.20
BADAGADA	Badagada-A	UDPF	12	375.00	8.27	2.67	0.27	0.00	0.00	0.00	22.49
BADAGADA	Badagada-A	UDPF	13	270.00	10.00	2.22	0.00	0.00	0.00	0.00	35.85
BADAGADA	Badagada-A	UDPF	14	355.00	10.42	2.25	0.56	0.00	0.00	0.00	41.43
BADAGADA	Badagada-A	UDPF	15	655.00	2.14	0.46	0.00	0.00	0.00	0.00	12.01
BADAGADA	Badagada-A	UDPF	16	530.00	4.34	0.38	0.00	0.00	0.00	0.00	5.45
BADAGADA	Badagada-A	UDPF	17	315.00	4.13	0.63	0.00	0.00	0.00	0.00	5.65

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Badagada-A	UDPF	18	435.00	6.21	0.92	0.00	0.00	0.00	0.00	7.59
BADAGADA	Badagada-A	UDPF	19	345.00	5.51	0.87	0.00	0.00	0.00	0.00	5.98
BADAGADA	Badagada-A	UDPF	20	820.00	2.68	0.73	0.00	0.00	0.00	0.00	9.51
BADAGADA	Badagada-A	UDPF	21	535.00	3.18	0.75	0.00	0.00	0.00	0.00	7.73
BADAGADA	Badagada-A	UDPF	22	295.00	7.46	1.02	0.00	0.00	0.00	0.00	12.93
BADAGADA	Badagada-A	UDPF	23	275.00	8.00	2.55	0.00	0.00	0.00	0.00	19.97
BADAGADA	Badagada-A	UDPF	24	260.00	6.54	0.77	0.00	0.00	0.00	0.00	8.59
BADAGADA	Badagada-A	UDPF	25	365.00	5.21	1.64	0.00	0.00	0.00	0.00	6.72
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-B	UDPF	1	540.00	14.81	5.19	0.37	0.00	0.00	0.00	128.92
BADAGADA	Badagada-B	UDPF	2	290.00	9.31	1.38	0.00	0.00	0.00	0.00	26.94
BADAGADA	Badagada-B	UDPF	3	465.00	4.95	0.43	0.00	0.00	0.00	0.00	5.33
BADAGADA	Badagada-B	UDPF	4	190.00	13.68	1.58	1.05	0.00	0.00	0.00	88.77
BADAGADA	Badagada-B	UDPF	5	205.00	11.22	0.00	0.00	0.00	0.00	0.00	46.82
BADAGADA	Badagada-B	UDPF	6	555.00	11.17	2.34	0.00	0.00	0.00	0.00	49.98
BADAGADA	Badagada-B	UDPF	7	670.00	17.61	3.13	0.60	0.00	0.00	0.00	178.82
BADAGADA	Badagada-B	UDPF	8	460.00	4.78	0.65	0.00	0.00	0.00	0.00	5.29
BADAGADA	Badagada-B	UDPF	9	140.00	18.57	2.14	1.43	0.00	0.00	0.00	203.07
BADAGADA	Badagada-B	UDPF	10	190.00	32.63	6.84	0.00	0.00	0.00	0.00	823.37
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Goudagotha	DPF	1	237.50	33.68	11.79	0.84	0.00	0.00	0.00	971.65
BADAGADA	Goudagotha	DPF	2	240.00	11.25	1.67	0.00	0.00	0.00	0.00	49.02
BADAGADA	Goudagotha	DPF	3	265.00	8.68	0.75	0.00	0.00	0.00	0.00	20.90
BADAGADA	Goudagotha	DPF	4	430.00	6.05	0.70	0.47	0.00	0.00	0.00	7.63
BADAGADA	Goudagotha	DPF	5	512.50	4.49	0.00	0.00	0.00	0.00	0.00	4.79
BADAGADA	Goudagotha	DPF	6	442.50	5.20	0.45	0.00	0.00	0.00	0.00	5.50
BADAGADA	Goudagotha	DPF	7	380.00	5.00	1.58	0.00	0.00	0.00	0.00	6.42
BADAGADA	Goudagotha	DPF	8	280.00	6.07	0.71	0.00	0.00	0.00	0.00	7.10

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Goudagotha	DPF	9	410.00	5.37	1.71	0.00	0.00	0.00	0.00	7.04
BADAGADA	Goudagotha	DPF	10	370.00	4.59	1.08	0.00	0.00	0.00	0.00	5.58
BADAGADA	Goudagotha	DPF	11	332.50	6.62	0.90	0.00	0.00	0.00	0.00	8.95
BADAGADA	Goudagotha	DPF	12	370.00	5.95	1.62	0.00	0.00	0.00	0.00	7.92
BADAGADA	Goudagotha	DPF	13	330.00	3.94	0.61	0.00	0.00	0.00	0.00	5.90
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Merikote	DPF	1	599.24	3.17	0.50	0.00	0.00	0.00	0.00	7.71
BADAGADA	Merikote	DPF	2	435.50	3.21	0.69	0.00	0.00	0.00	0.00	7.60
BADAGADA	Merikote	DPF	3	555.50	0.54	0.36	0.00	0.00	0.00	0.00	22.88
BADAGADA	Merikote	DPF	4	498.00	6.02	2.01	0.20	0.00	0.00	0.00	9.18
BADAGADA	Merikote	DPF	5	463.00	3.67	1.30	0.00	0.00	0.00	0.00	6.97
BADAGADA	Merikote	DPF	6	560.50	5.53	0.89	0.00	0.00	0.00	0.00	6.03
BADAGADA	Merikote	DPF	7	408.00	7.60	2.45	0.25	0.00	0.00	0.00	17.30
BADAGADA	Merikote	DPF	8	435.50	6.20	1.38	0.00	0.00	0.00	0.00	8.13
BADAGADA	Merikote	DPF	9	503.00	7.36	1.59	0.40	0.00	0.00	0.00	13.72
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Raipada	RF	1	506.65	3.36	1.18	0.00	0.00	0.00	0.00	7.58
BADAGADA	Raipada	RF	2	554.57	1.98	0.18	0.00	0.00	0.00	0.00	12.96
BADAGADA	Raipada	RF	3	489.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	4	527.15	4.74	0.00	0.00	0.00	0.00	0.00	4.73
BADAGADA	Raipada	RF	5	719.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Srirampalli	PRF	1	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Mahisikhata	UDPF	1	270.00	7.41	0.00	0.00	0.00	0.00	0.00	11.89
BADAGADA	Mahisikhata	UDPF	2	328.25	6.09	0.00	0.00	0.00	0.00	0.00	6.58

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

Total Block Area:

111680.09

TOTAL: 1702.47 457.19 100.48 42.86 25.64 6.96 2335.60

MEAN: 5.73 1.54 0.34 0.14 0.09 0.02 7.86

STDEV: 6.29 4.42 0.96 0.61 0.56 0.11 12.96

Std. Error (mean): 0.36 0.26 0.06 0.04 0.03 0.01 0.75

All Blocks (Tree): 640175.68 171915.65 37784.11 16116.19 9642.09 2616.12 878249.84

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

MANGO

SORADA	Pondakhol	RF	1	526.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	2	332.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	3	441.33	0.00	0.00	0.00	0.00	0.00	0.14	0.14
SORADA	Pondakhol	RF	4	229.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	5[a]	383.66	0.00	0.00	0.00	0.00	0.00	0.05	0.05
SORADA	Pondakhol	RF	6	313.42	0.00	0.00	0.00	0.00	0.00	0.13	0.13
SORADA	Pondakhol	RF	7	378.14	0.00	0.00	0.00	0.00	0.00	0.05	0.05
SORADA	Pondakhol	RF	8	344.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	9	419.68	0.00	0.00	0.00	0.00	0.00	0.05	0.05
SORADA	Pondakhol	RF	10	240.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	11	487.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	12	334.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	13	567.05	0.00	0.00	0.00	0.00	0.00	0.04	0.04
SORADA	Pondakhol	RF	14	618.00	0.00	0.00	0.00	0.00	0.03	0.03	0.04
SORADA	Pondakhol	RF	15	397.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	16	596.30	0.00	0.00	0.00	0.07	0.00	0.00	0.09
SORADA	Pondakhol	RF	17	340.33	0.00	0.00	0.00	0.12	0.06	0.12	0.37
SORADA	Pondakhol	RF	18	569.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	19	282.80	0.00	0.00	0.07	0.00	0.00	0.00	-0.05
SORADA	Pondakhol	RF	20	465.08	0.00	0.09	0.00	0.00	0.00	0.13	-0.03
SORADA	Pondakhol	RF	21	294.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	22	321.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	23	520.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	24	175.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	25	288.94	0.00	0.00	0.00	0.00	0.00	0.14	0.14
SORADA	Pondakhol	RF	26	149.20	0.27	0.40	0.94	0.54	0.54	0.27	5.62
SORADA	Pondakhol	RF	27[a]	449.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Pondakhhol	RF	28	419.35	0.00	0.62	0.48	0.33	0.05	0.57	2.71
SORADA	Pondakhhol	RF	29[a]	578.64	0.00	0.00	0.10	0.07	0.03	0.00	0.12
SORADA	Pondakhhol	RF	30	563.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	31	475.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	32	478.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	33	346.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	34	567.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	35	456.52	0.00	0.00	0.04	0.00	0.00	0.00	-0.09
SORADA	Pondakhhol	RF	36[a]	286.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[a]	250.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Dhaugam	RF	2[a]	375.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pondakhhol	RF	5[b]	100.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	27[b]	245.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	29[b]	198.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	36[b]	301.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[b]	203.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Dhaugam	RF	2[b]	203.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pipalpanka	RF	1	441.76	0.00	0.00	0.00	0.00	0.45	0.23	1.23
SORADA	Pipalpanka	RF	2	553.13	0.00	0.00	0.00	0.00	0.36	0.00	0.76
SORADA	Pipalpanka	RF	3	606.03	1.16	0.33	0.00	0.00	0.00	0.17	1.24
SORADA	Pipalpanka	RF	4	558.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pipalpanka	RF	5	600.22	0.00	0.00	0.00	0.00	0.17	0.00	0.29
SORADA	Pipalpanka	RF	6	637.06	0.00	0.00	0.00	0.00	0.00	0.16	0.16
					0.00	0.00	0.00	0.00	0.00	0.00	

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Mundapita	RF	1	627.36	0.48	0.00	0.00	0.00	0.00	0.00	0.41
SORADA	Mundapita	RF	2	553.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	3	610.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	4	476.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Hukuma	RF	1	692.91	1.59	0.14	0.43	0.14	0.00	0.00	2.66
SORADA	Hukuma	RF	2	531.01	0.75	0.00	0.00	0.00	0.00	0.00	0.53
SORADA	Hukuma	RF	3	522.48	1.15	0.19	0.00	0.00	0.00	0.00	0.90
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Bondhagocha	RF	1	613.64	0.00	0.00	0.00	0.00	0.00	0.33	0.33
SORADA	Bondhagocha	RF	2	693.69	0.00	0.00	0.00	0.00	0.00	0.29	0.29
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhepaguda	RF	1	334.78	0.60	0.00	0.00	0.00	1.19	0.90	4.97
SORADA	Dhepaguda	RF	2	493.00	0.00	0.00	0.00	0.00	0.41	0.20	1.08
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dabuki	RF	1	506.32	1.38	0.00	0.00	0.00	0.00	0.00	1.36
SORADA	Pankalagam	RF	1	265.59	0.00	0.00	0.00	0.00	0.38	0.00	0.80
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Budurung	RF	1	316.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Chamunda	RF	1	265.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kadapada	RF	1	677.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kumarsuni Vishnucha	RF	1	1081.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Binodia	RF	1	209.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Tangarai	RF	1	817.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Nagiri	RF	1	449.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Solundi	RF	1	362.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Jhollery	RF	1	914.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Sandasulia	RF	1	848.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BUGUDA	Panchabhuti-C	RF	1	198.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-B	RF	1	354.66	0.00	0.56	0.56	0.00	0.00	0.00	1.52
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kurchuli-A	RF	1	390.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	2	646.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	3	533.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	4	662.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kriamba-Jadupadi	RF	1	432.88	0.00	0.00	0.23	0.23	0.00	0.00	0.71
BUGUDA	Kriamba-Jadupadi	RF	2	639.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	3	555.56	0.18	0.36	0.36	0.54	0.72	0.36	4.60
BUGUDA	Kriamba-Jadupadi	RF	4	959.71	0.00	0.00	0.00	0.00	0.10	0.10	0.26
BUGUDA	Kriamba-Jadupadi	RF	5	714.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	6	756.83	0.00	0.00	0.00	0.13	0.00	0.00	0.23
BUGUDA	Kriamba-Jadupadi	RF	7	858.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	8	498.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	9	465.24	0.00	0.00	0.00	0.00	0.00	0.43	0.43
BUGUDA	Kriamba-Jadupadi	RF	10	733.69	0.00	0.00	0.00	0.14	0.14	0.14	0.59
BUGUDA	Kriamba-Jadupadi	RF	11	786.82	0.00	0.00	0.00	0.00	0.00	0.13	0.13
BUGUDA	Kriamba-Jadupadi	RF	12	443.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	13	876.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Panchabhuti-A	RF	1	609.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Panchabhuti-A	RF	2	282.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Panchabhuti-A	RF	3	529.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Panchabhuti-A	RF	4	368.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-I	DPF	1	410.00	1.22	0.73	0.49	0.00	0.00	0.00	2.71

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Kansa	DPF	1	181.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badadanda	DPF	1	50.00	6.00	2.00	0.00	0.00	0.00	0.00	36.80
ASKA	Chapudia	DPF	1	260.00	1.92	0.38	0.77	0.00	0.00	0.00	4.54
ASKA	Rasibadi	DPF	1	370.00	1.89	0.27	0.00	0.00	0.00	0.00	2.64
ASKA	Bhumi dimiripalli	PRF	1	15.89	6.29	0.00	0.00	0.00	0.00	0.00	35.06
ASKA	Badua	PRF	1	80.00	2.50	0.00	0.00	0.00	0.00	0.00	4.79
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-II	DPF	1	355.00	1.13	0.28	0.00	0.00	0.00	0.00	0.97
ASKA	Malijhar-II	DPF	2	260.00	1.92	0.38	0.00	0.00	0.00	0.00	2.89
ASKA	Malijhar-II	DPF	3	300.00	3.33	0.33	0.00	0.00	0.00	0.00	9.08
ASKA	Malijhar-II	DPF	4	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	5	345.00	0.87	0.29	0.00	0.00	0.00	0.00	0.68
ASKA	Malijhar-II	DPF	6	215.00	0.93	0.00	0.00	0.00	0.00	0.00	0.68
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Ambadaban	DPF	1	175.00	1.14	0.57	0.00	0.00	0.00	0.00	1.43
ASKA	Ambadaban	DPF	2	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	3	140.00	2.86	0.71	0.00	0.00	0.00	0.00	7.17
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Pakadi	DPF	1	250.00	2.00	0.80	0.00	0.00	0.00	0.00	3.89
ASKA	Pakadi	DPF	2	240.00	0.83	0.00	0.00	0.00	0.00	0.00	0.59
ASKA	Pakadi	DPF	3	140.00	2.14	1.43	0.71	0.00	0.00	0.00	7.67
ASKA	Pakadi	DPF	4	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	5	220.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	6	270.00	4.07	0.74	0.00	0.37	0.00	0.00	15.48
ASKA	Pakadi	DPF	7	130.00	1.54	0.00	0.00	0.00	0.00	0.00	1.69
ASKA	Pakadi	DPF	8	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	9	140.00	1.43	2.14	0.71	0.00	0.00	0.00	8.72
ASKA	Pakadi	DPF	10	110.00	3.64	1.82	0.91	0.00	0.00	0.00	17.23

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gadagada	DPF	1	190.00	1.05	0.53	0.00	0.00	0.00	0.00	1.23
ASKA	Gadagada	DPF	2	155.00	2.58	0.65	0.00	0.00	0.00	0.00	5.76
ASKA	Gadagada	DPF	3	130.00	3.08	0.00	0.00	0.00	0.00	0.00	7.54
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Chemidi	DPF	1	345.00	1.16	0.29	0.29	0.00	0.00	0.00	1.41
ASKA	Chemidi	DPF	2	115.00	4.35	0.87	0.87	0.00	0.00	0.00	19.02
ASKA	Chemidi	DPF	3	355.00	0.85	0.00	0.00	0.00	0.00	0.00	0.60
ASKA	Chemidi	DPF	4	180.00	4.44	0.56	0.00	0.00	0.00	0.00	17.17
ASKA	Chemidi	DPF	5	70.00	7.14	0.00	0.00	0.00	0.00	0.00	45.78
ASKA	Chemidi	DPF	6	230.00	1.74	0.43	0.00	0.00	0.00	0.00	2.44
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Machakhai	DPF	1	175.00	2.86	0.00	0.00	0.00	0.00	0.00	6.41
ASKA	Machakhai	DPF	2	165.00	1.21	0.61	0.61	0.00	0.00	0.00	2.77
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Hatimunda	DPF	1	175.00	4.00	0.00	0.00	0.00	0.00	0.00	13.32
ASKA	Hatimunda	DPF	2	180.00	6.11	0.56	1.67	0.56	0.00	0.00	39.99
ASKA	Hatimunda	DPF	3	90.00	4.44	0.00	0.00	0.00	0.00	0.00	16.71
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Suliaguda	DPF	1	265.00	4.53	2.64	1.13	0.38	0.00	0.00	29.64
ASKA	Suliaguda	DPF	2	195.00	6.15	2.56	1.54	0.51	0.00	0.00	47.33
ASKA	Suliaguda	DPF	3	235.00	2.13	1.70	0.43	0.43	0.00	0.00	8.81
ASKA	Suliaguda	DPF	4	180.00	4.44	1.11	0.56	0.00	0.00	0.00	19.49
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gouduni	PRF	1	142.33	4.22	0.70	0.00	0.00	0.00	0.00	15.65
ASKA	Gouduni	PRF	2	157.00	1.91	0.00	0.00	0.00	0.00	0.00	2.67
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Badagada-C	UDPF	1	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	2	305.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	3	165.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	4	315.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	5	310.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	6	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	7	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	8	325.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	9	455.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	10	485.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	11	440.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	12	460.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	13	575.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	14	340.00	0.00	6.47	2.35	0.00	0.00	0.00	55.04
ASKA	Badagada-C	UDPF	15	320.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	16	385.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	17	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	18	395.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	19	465.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	20	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	21	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	22	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	23	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	24	150.00	3.33	2.00	0.00	0.00	0.00	0.00	14.08
ASKA	Badagada-C	UDPF	25	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	26	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	27	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	28	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	29	210.00	4.29	1.43	1.90	0.00	0.00	0.00	24.71

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	30	240.00	5.42	0.00	0.00	0.00	0.00	0.00	25.51
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Kantakhhol	DPF	1	270.00	4.81	0.00	0.00	0.00	0.00	0.00	19.84
ASKA	Kantakhhol	DPF	2	120.00	2.50	0.83	1.67	0.00	0.00	0.00	11.07
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Pandaripada	DPF	1	185.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	2	415.00	0.00	0.00	0.00	0.24	0.24	0.00	0.93
POLOSARA	Pandaripada	DPF	3	360.00	0.00	0.00	0.00	0.00	0.00	0.28	0.28
POLOSARA	Pandaripada	DPF	4	375.00	0.00	0.00	0.00	0.00	0.00	0.27	0.27
POLOSARA	Pandaripada	DPF	5	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	6	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	7	440.00	0.23	0.00	0.00	0.00	0.00	0.23	0.67
POLOSARA	Pandaripada	DPF	8	260.00	0.00	0.00	0.00	0.00	0.38	0.38	1.20
POLOSARA	Pandaripada	DPF	9	345.00	0.00	0.58	0.58	0.87	1.16	0.29	7.73
POLOSARA	Pandaripada	DPF	10	305.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	11	510.00	0.00	0.00	0.20	0.20	0.00	0.00	0.55
POLOSARA	Pandaripada	DPF	12	495.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	13	170.00	0.00	0.00	0.00	0.59	0.00	0.00	1.42
POLOSARA	Pandaripada	DPF	14	375.00	0.00	0.00	0.00	0.00	0.00	0.53	0.53
POLOSARA	Pandaripada	DPF	15	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	16	565.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	17	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	18	365.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	19	330.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	20	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	21	110.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	22	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	23	250.00	0.00	0.80	0.80	0.00	0.00	0.00	2.69

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Pandaripada	DPF	24	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	25	280.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	26	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	27	325.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	28	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	29	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	30	225.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	31	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	32	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	33	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	34	335.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	35	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	36	475.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	37	385.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	38	125.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Bhalukhai	DPF	1	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Sodaka-A	DPF	1	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Sodaka-B	DPF	1	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Kakudia	DPF	1	85.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Jokalundi	PRF	1	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Paikajamuna	DPF	1	335.48	0.00	0.00	0.00	0.00	0.00	0.30	0.30
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Purunapani Daburia	PRF	1	320.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Purunapani Daburia	PRF	2	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Purunapani Daburia	PRF	3	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Purunapani Daburia	PRF	4	470.00	0.00	0.00	0.00	0.00	0.00	0.43	0.43
POLOSARA	Purunapani Daburia	PRF	5	325.00	0.00	0.00	0.00	0.00	0.00	0.31	0.31

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Purunapani Daburia	PRF	6	380.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Purunapani Daburia	PRF	7	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Purunapani Daburia	PRF	8	170.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Khaladimal	PRF	1	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Khaladimal	PRF	2	275.00	0.00	0.73	0.00	0.00	0.00	0.00	0.79
POLOSARA	Khaladimal	PRF	3	125.00	98.40	85.60	23.20	0.00	2.40	2.40	17574.55
POLOSARA	Khaladimal	PRF	4	135.00	85.93	48.89	0.00	0.00	2.96	2.22	9752.83
POLOSARA	Khaladimal	PRF	5	430.00	0.47	0.00	0.00	0.00	0.00	0.00	0.41
POLOSARA	Khaladimal	PRF	6	150.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-A	UDPF	1	205.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	2	100.00	0.00	0.00	0.00	0.00	1.00	0.00	2.83
BADAGADA	Badagada-A	UDPF	3	395.00	0.00	0.00	0.00	0.00	0.51	0.51	1.66
BADAGADA	Badagada-A	UDPF	4	380.00	0.00	0.00	0.00	0.00	0.00	0.26	0.26
BADAGADA	Badagada-A	UDPF	5	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	6	285.00	0.00	0.00	0.00	0.00	0.35	0.00	0.73
BADAGADA	Badagada-A	UDPF	7	340.00	0.00	0.00	0.00	0.00	0.00	0.29	0.29
BADAGADA	Badagada-A	UDPF	8	355.00	0.00	0.00	0.00	0.00	0.28	0.00	0.56
BADAGADA	Badagada-A	UDPF	9	430.00	1.63	0.47	0.47	0.47	0.00	0.00	4.05
BADAGADA	Badagada-A	UDPF	10	220.00	5.91	0.91	0.45	0.00	0.00	0.00	32.66
BADAGADA	Badagada-A	UDPF	11	250.00	5.20	0.00	0.00	0.00	0.00	0.00	23.38
BADAGADA	Badagada-A	UDPF	12	375.00	2.13	0.53	0.80	0.00	0.00	0.00	5.55
BADAGADA	Badagada-A	UDPF	13	270.00	4.81	0.37	1.11	0.00	0.00	0.00	22.83
BADAGADA	Badagada-A	UDPF	14	355.00	1.97	0.85	0.56	0.28	0.00	0.00	5.53
BADAGADA	Badagada-A	UDPF	15	655.00	0.00	0.00	0.00	0.00	0.15	0.00	0.26
BADAGADA	Badagada-A	UDPF	16	530.00	0.00	0.00	0.00	0.00	0.00	0.19	0.19
BADAGADA	Badagada-A	UDPF	17	315.00	0.00	0.00	0.00	0.00	0.00	0.32	0.32

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Badagada-A	UDPF	18	435.00	0.00	0.00	0.00	0.00	0.23	0.23	0.66
BADAGADA	Badagada-A	UDPF	19	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	20	820.00	0.00	0.00	0.00	0.00	0.24	0.24	0.71
BADAGADA	Badagada-A	UDPF	21	535.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	22	295.00	0.00	0.00	0.00	0.00	0.34	0.00	0.70
BADAGADA	Badagada-A	UDPF	23	275.00	0.00	0.00	0.00	0.36	0.00	0.00	0.78
BADAGADA	Badagada-A	UDPF	24	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	25	365.00	0.00	0.00	0.00	0.00	0.00	0.27	0.27
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-B	UDPF	1	540.00	6.48	1.67	0.93	0.56	0.00	0.00	44.46
BADAGADA	Badagada-B	UDPF	2	290.00	0.00	0.00	0.00	0.00	0.34	0.34	1.06
BADAGADA	Badagada-B	UDPF	3	465.00	0.00	0.00	0.00	0.00	0.00	0.22	0.22
BADAGADA	Badagada-B	UDPF	4	190.00	5.79	2.11	1.58	0.53	0.00	0.00	41.06
BADAGADA	Badagada-B	UDPF	5	205.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	6	555.00	2.34	0.72	0.54	0.36	0.00	0.00	6.69
BADAGADA	Badagada-B	UDPF	7	670.00	5.07	2.54	1.19	0.60	0.00	0.00	34.70
BADAGADA	Badagada-B	UDPF	8	460.00	0.00	0.00	0.00	0.00	0.22	0.00	0.40
BADAGADA	Badagada-B	UDPF	9	140.00	7.86	2.86	2.14	0.71	0.00	0.00	75.41
BADAGADA	Badagada-B	UDPF	10	190.00	6.84	2.11	1.58	1.05	0.00	0.00	55.34
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Goudagotha	DPF	1	237.50	14.74	3.79	2.11	1.26	0.00	0.00	233.98
BADAGADA	Goudagotha	DPF	2	240.00	0.00	0.00	0.00	0.00	0.42	0.42	1.32
BADAGADA	Goudagotha	DPF	3	265.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38
BADAGADA	Goudagotha	DPF	4	430.00	2.56	0.93	0.70	0.23	0.00	0.00	8.18
BADAGADA	Goudagotha	DPF	5	512.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	6	442.50	0.00	0.00	0.00	0.00	0.00	0.23	0.23
BADAGADA	Goudagotha	DPF	7	380.00	0.00	0.00	0.00	0.00	0.00	0.26	0.26
BADAGADA	Goudagotha	DPF	8	280.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Goudagotha	DPF	9	410.00	0.00	0.00	0.00	0.24	0.00	0.00	0.48
BADAGADA	Goudagotha	DPF	10	370.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	11	332.50	0.00	0.00	0.00	0.00	0.30	0.00	0.60
BADAGADA	Goudagotha	DPF	12	370.00	0.00	0.00	0.00	0.00	0.54	0.54	1.80
BADAGADA	Goudagotha	DPF	13	330.00	0.00	0.00	0.00	0.00	0.00	0.30	0.30
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Merikote	DPF	1	599.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	2	435.50	0.00	0.00	0.00	0.00	0.23	0.00	0.43
BADAGADA	Merikote	DPF	3	555.50	0.00	0.00	0.00	0.00	0.00	0.18	0.18
BADAGADA	Merikote	DPF	4	498.00	1.41	0.40	0.40	0.40	0.00	0.00	3.13
BADAGADA	Merikote	DPF	5	463.00	2.81	0.43	0.22	0.00	0.00	0.00	6.65
BADAGADA	Merikote	DPF	6	560.50	2.32	0.00	0.00	0.00	0.00	0.00	4.07
BADAGADA	Merikote	DPF	7	408.00	1.96	0.49	0.74	0.00	0.00	0.00	4.71
BADAGADA	Merikote	DPF	8	435.50	2.99	0.23	0.69	0.00	0.00	0.00	8.44
BADAGADA	Merikote	DPF	9	503.00	1.39	0.60	0.40	0.20	0.00	0.00	2.91
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Raipada	RF	1	506.65	2.57	0.39	0.20	0.00	0.00	0.00	5.45
BADAGADA	Raipada	RF	2	554.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	3	489.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	4	527.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	5	719.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Srirampalli	PRF	1	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Mahisikhata	UDPF	1	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Mahisikhata	UDPF	2	328.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

Total Block Area:

111680.09

TOTAL: 417.75 198.50 61.40 13.70 16.93 17.95 726.23

MEAN: 1.41 0.67 0.21 0.05 0.06 0.06 2.45

STDEV: 7.62 5.70 1.38 0.15 0.26 0.21 15.32

Std. Error (mean): 0.44 0.33 0.08 0.01 0.01 0.01 0.89

All Blocks (Tree): 157086.63 74642.25 23086.22 5151.82 6366.18 6747.99 273081.09

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

TAMARIND

SORADA	Pondakhol	RF	1	526.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	2	332.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	3	441.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	4	229.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	5[a]	383.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	6	313.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	7	378.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	8	344.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	9	419.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	10	240.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	11	487.22	0.00	0.04	0.00	0.04	0.00	0.00	0.10
SORADA	Pondakhol	RF	12	334.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	13	567.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	14	618.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	15	397.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	16	596.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	17	340.33	0.06	0.00	0.00	0.00	0.00	0.00	0.02
SORADA	Pondakhol	RF	18	569.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	19	282.80	0.00	0.00	0.00	0.14	0.00	0.14	0.44
SORADA	Pondakhol	RF	20	465.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	21	294.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	22	321.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	23	520.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	24	175.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	25	288.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	26	149.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	27[a]	449.26	0.04	0.09	0.00	0.00	0.00	0.00	0.11

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Pondakhhol	RF	28	419.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	29[a]	578.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	30	563.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	31	475.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	32	478.34	0.00	0.08	0.04	0.04	0.00	0.00	0.24
SORADA	Pondakhhol	RF	33	346.47	0.06	0.00	0.00	0.00	0.00	0.00	0.01
SORADA	Pondakhhol	RF	34	567.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	35	456.52	0.00	0.00	0.18	0.04	0.04	0.04	0.55
SORADA	Pondakhhol	RF	36[a]	286.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[a]	250.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Dhaugam	RF	2[a]	375.20	0.05	0.11	0.16	0.00	0.00	0.00	0.46
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pondakhhol	RF	5[b]	100.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	27[b]	245.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	29[b]	198.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	36[b]	301.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[b]	203.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Dhaugam	RF	2[b]	203.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pipalpanka	RF	1	441.76	0.45	0.91	1.36	0.68	0.45	0.00	10.73
SORADA	Pipalpanka	RF	2	553.13	0.72	0.36	0.36	0.18	0.18	0.00	4.05
SORADA	Pipalpanka	RF	3	606.03	0.66	0.00	0.00	0.00	0.00	0.00	1.53
SORADA	Pipalpanka	RF	4	558.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pipalpanka	RF	5	600.22	0.00	0.17	0.00	0.00	0.00	0.00	0.28
SORADA	Pipalpanka	RF	6	637.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Mundapita	RF	1	627.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	2	553.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	3	610.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	4	476.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Hukuma	RF	1	692.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Hukuma	RF	2	531.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Hukuma	RF	3	522.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Bondhagocha	RF	1	613.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Bondhagocha	RF	2	693.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhepaguda	RF	1	334.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Dhepaguda	RF	2	493.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dabuki	RF	1	506.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pankalagam	RF	1	265.59	0.00	0.38	0.00	0.00	0.00	0.00	0.79
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Budurung	RF	1	316.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Chamunda	RF	1	265.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kadapada	RF	1	677.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kumarsuni Vishnucha	RF	1	1081.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Binodia	RF	1	209.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Tangarai	RF	1	817.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Nagiri	RF	1	449.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Solundi	RF	1	362.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Jhollery	RF	1	914.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Sandasulia	RF	1	848.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BUGUDA	Panchabhuti-C	RF	1	198.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-B	RF	1	354.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kurchuli-A	RF	1	390.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	2	646.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	3	533.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	4	662.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kriamba-Jadupadi	RF	1	432.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	2	639.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	3	555.56	0.18	0.00	0.00	0.00	0.00	0.00	0.26
BUGUDA	Kriamba-Jadupadi	RF	4	959.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	5	714.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	6	756.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	7	858.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	8	498.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	9	465.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	10	733.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	11	786.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	12	443.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	13	876.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Panchabhuti-A	RF	1	609.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Panchabhuti-A	RF	2	282.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Panchabhuti-A	RF	3	529.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Panchabhuti-A	RF	4	368.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-I	DPF	1	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Kansa	DPF	1	181.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badadanda	DPF	1	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chapudia	DPF	1	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Rasibadi	DPF	1	370.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Bhumi dimiripalli	PRF	1	15.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badua	PRF	1	80.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-II	DPF	1	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	2	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	3	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	4	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	5	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	6	215.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Ambadaban	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	2	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	3	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Pakadi	DPF	1	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	2	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	3	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	4	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	5	220.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	6	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	7	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	8	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	9	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	10	110.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gadagada	DPF	1	190.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gadagada	DPF	2	155.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gadagada	DPF	3	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Chemidi	DPF	1	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	2	115.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	3	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	4	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	5	70.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	6	230.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Machakhai	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Machakhai	DPF	2	165.00	0.61	0.00	0.00	0.00	0.00	0.00	1.36
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Hatimunda	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Hatimunda	DPF	2	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Hatimunda	DPF	3	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Suliaguda	DPF	1	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	2	195.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	3	235.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	4	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gouduni	PRF	1	142.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gouduni	PRF	2	157.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Badagada-C	UDPF	1	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	2	305.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	3	165.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	4	315.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	5	310.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	6	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	7	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	8	325.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	9	455.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	10	485.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	11	440.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	12	460.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	13	575.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	14	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	15	320.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	16	385.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	17	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	18	395.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	19	465.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	20	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	21	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	22	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	23	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	24	150.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	25	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	26	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	27	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	28	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	29	210.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	30	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Kantakhhol	DPF	1	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Kantakhhol	DPF	2	120.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Pandaripada	DPF	1	185.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	2	415.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	3	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	4	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	5	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	6	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	7	440.00	0.23	0.00	0.00	0.00	0.00	0.00	0.37
POLOSARA	Pandaripada	DPF	8	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	9	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	10	305.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	11	510.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	12	495.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	13	170.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	14	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	15	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	16	565.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	17	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	18	365.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	19	330.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	20	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	21	110.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	22	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	23	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Pandaripada	DPF	24	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	25	280.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	26	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	27	325.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	28	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	29	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	30	225.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	31	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	32	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	33	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	34	335.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	35	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	36	475.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	37	385.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	38	125.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Bhalukhai	DPF	1	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Sodaka-A	DPF	1	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Sodaka-B	DPF	1	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Kakudia	DPF	1	85.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Jokalundi	PRF	1	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Paikajamuna	DPF	1	335.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Purunapani Daburia	PRF	1	320.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Purunapani Daburia	PRF	2	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Purunapani Daburia	PRF	3	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Purunapani Daburia	PRF	4	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Purunapani Daburia	PRF	5	325.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Purunapani Daburia	PRF	6	380.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Purunapani Daburia	PRF	7	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Purunapani Daburia	PRF	8	170.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Khaladimal	PRF	1	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Khaladimal	PRF	2	275.00	0.00	0.73	1.82	0.00	0.00	0.00	8.62
POLOSARA	Khaladimal	PRF	3	125.00	12.80	13.60	4.80	0.00	0.00	0.00	429.40
POLOSARA	Khaladimal	PRF	4	135.00	11.11	0.00	0.00	0.74	0.74	0.74	148.05
POLOSARA	Khaladimal	PRF	5	430.00	0.00	1.86	1.16	0.00	0.00	0.00	10.46
POLOSARA	Khaladimal	PRF	6	150.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-A	UDPF	1	205.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	2	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	3	395.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	4	380.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	5	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	6	285.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	7	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	8	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	9	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	10	220.00	0.91	0.00	0.00	0.00	0.00	0.00	2.36
BADAGADA	Badagada-A	UDPF	11	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	12	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	13	270.00	0.74	0.00	0.00	0.00	0.00	0.00	1.78
BADAGADA	Badagada-A	UDPF	14	355.00	0.56	0.00	0.00	0.00	0.00	0.00	1.23
BADAGADA	Badagada-A	UDPF	15	655.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	16	530.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	17	315.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Badagada-A	UDPF	18	435.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	19	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	20	820.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	21	535.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	22	295.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	23	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	24	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	25	365.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-B	UDPF	1	540.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	2	290.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	3	465.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	4	190.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	5	205.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	6	555.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	7	670.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	8	460.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	9	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	10	190.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Goudagotha	DPF	1	237.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	2	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	3	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	4	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	5	512.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	6	442.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	7	380.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	8	280.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Goudagotha	DPF	9	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	10	370.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	11	332.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	12	370.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	13	330.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Merikote	DPF	1	599.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	2	435.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	3	555.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	4	498.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	5	463.00	0.43	0.00	0.00	0.00	0.00	0.00	0.87
BADAGADA	Merikote	DPF	6	560.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	7	408.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	8	435.50	0.46	0.00	0.00	0.00	0.00	0.00	0.94
BADAGADA	Merikote	DPF	9	503.00	0.40	0.00	0.00	0.00	0.00	0.00	0.78
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Raipada	RF	1	506.65	0.39	0.00	0.00	0.00	0.00	0.00	0.77
BADAGADA	Raipada	RF	2	554.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	3	489.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	4	527.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	5	719.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Srirampalli	PRF	1	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Mahisikhata	UDPF	1	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Mahisikhata	UDPF	2	328.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

Total Block Area:

111680.09

TOTAL: 30.87 18.32 9.88 1.87 1.42 0.93 63.28

MEAN: 0.10 0.06 0.03 0.01 0.00 0.00 0.21

STDEV: 0.98 0.80 0.31 0.06 0.05 0.04 2.25

Std. Error (mean): 0.06 0.05 0.02 0.00 0.00 0.00 0.13

All Blocks (Tree): 11608.51 6888.15 3714.29 702.70 533.23 348.20 23795.09

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

AMLA

SORADA	Pondakhol	RF	1	526.00	1.56	0.53	0.00	0.00	0.00	0.00	2.17
SORADA	Pondakhol	RF	2	332.90	2.46	0.84	0.00	0.00	0.00	0.00	5.11
SORADA	Pondakhol	RF	3	441.33	2.63	0.41	0.00	0.00	0.00	0.00	4.51
SORADA	Pondakhol	RF	4	229.51	1.66	0.17	0.00	0.00	0.00	0.00	1.56
SORADA	Pondakhol	RF	5[a]	383.66	2.03	0.57	0.00	0.00	0.00	0.00	3.16
SORADA	Pondakhol	RF	6	313.42	1.40	0.26	0.00	0.00	0.00	0.00	1.37
SORADA	Pondakhol	RF	7	378.14	2.06	0.58	0.00	0.00	0.00	0.00	3.25
SORADA	Pondakhol	RF	8	344.37	1.92	0.23	0.00	0.00	0.00	0.00	2.15
SORADA	Pondakhol	RF	9	419.68	1.10	0.29	0.10	0.00	0.00	0.00	1.37
SORADA	Pondakhol	RF	10	240.38	6.07	2.66	0.67	0.17	0.00	0.00	40.71
SORADA	Pondakhol	RF	11	487.22	1.85	1.03	0.00	0.00	0.00	0.00	4.12
SORADA	Pondakhol	RF	12	334.67	1.97	0.24	0.00	0.00	0.00	0.00	2.28
SORADA	Pondakhol	RF	13	567.05	0.60	0.00	0.00	0.00	0.00	0.00	0.94
SORADA	Pondakhol	RF	14	618.00	7.44	3.50	0.55	0.10	0.00	0.00	62.63
SORADA	Pondakhol	RF	15	397.54	2.77	0.60	0.10	0.00	0.00	0.00	5.67
SORADA	Pondakhol	RF	16	596.30	5.20	4.13	0.07	0.00	0.00	0.00	42.39
SORADA	Pondakhol	RF	17	340.33	1.88	1.00	0.12	0.00	0.00	0.00	4.31
SORADA	Pondakhol	RF	18	569.36	0.70	0.28	0.04	0.00	0.00	0.00	1.20
SORADA	Pondakhol	RF	19	282.80	2.19	0.21	0.00	0.00	0.00	0.00	2.76
SORADA	Pondakhol	RF	20	465.08	1.89	0.73	0.09	0.00	0.00	0.00	3.43
SORADA	Pondakhol	RF	21	294.44	0.61	0.20	0.00	0.00	0.00	0.00	1.05
SORADA	Pondakhol	RF	22	321.75	0.75	0.31	0.00	0.00	0.00	0.00	1.21
SORADA	Pondakhol	RF	23	520.35	0.81	0.31	0.00	0.00	0.00	0.00	1.19
SORADA	Pondakhol	RF	24	175.17	4.57	2.97	0.00	0.00	0.00	0.00	27.37
SORADA	Pondakhol	RF	25	288.94	2.08	0.14	0.00	0.00	0.00	0.00	2.34
SORADA	Pondakhol	RF	26	149.20	1.88	0.40	0.13	0.00	0.00	0.00	2.66
SORADA	Pondakhol	RF	27[a]	449.26	1.25	0.49	0.04	0.00	0.00	0.00	1.80

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Pondakhhol	RF	28	419.35	4.96	0.86	0.05	0.00	0.00	0.00	19.45
SORADA	Pondakhhol	RF	29[a]	578.64	5.01	2.63	0.00	0.00	0.00	0.00	28.46
SORADA	Pondakhhol	RF	30	563.18	4.87	1.53	0.07	0.00	0.00	0.00	21.27
SORADA	Pondakhhol	RF	31	475.59	6.69	3.36	0.34	0.00	0.00	0.00	51.36
SORADA	Pondakhhol	RF	32	478.34	5.10	3.14	0.71	0.54	0.00	0.00	36.10
SORADA	Pondakhhol	RF	33	346.47	2.14	0.17	0.00	0.00	0.00	0.00	2.55
SORADA	Pondakhhol	RF	34	567.05	2.01	1.06	0.21	0.00	0.00	0.00	5.01
SORADA	Pondakhhol	RF	35	456.52	5.65	0.18	0.00	0.00	0.00	0.00	23.85
SORADA	Pondakhhol	RF	36[a]	286.58	4.26	0.77	0.00	0.00	0.00	0.00	13.84
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[a]	250.90	0.88	0.32	0.00	0.00	0.00	0.00	1.21
SORADA	Dhaugam	RF	2[a]	375.20	2.77	1.87	0.05	0.00	0.00	0.00	10.49
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pondakhhol	RF	5[b]	100.82	2.98	0.99	0.00	0.00	0.00	0.00	7.50
SORADA	Pondakhhol	RF	27[b]	245.62	1.63	0.41	0.00	0.00	0.00	0.00	1.98
SORADA	Pondakhhol	RF	29[b]	198.50	2.02	1.01	0.00	0.00	0.00	0.00	4.42
SORADA	Pondakhhol	RF	36[b]	301.19	1.33	0.33	0.00	0.00	0.00	0.00	1.45
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[b]	203.06	3.94	1.48	0.00	0.00	0.00	0.00	14.38
SORADA	Dhaugam	RF	2[b]	203.04	1.48	0.49	0.00	0.00	0.00	0.00	1.97
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pipalpanka	RF	1	441.76	4.98	1.81	0.68	0.00	0.00	0.00	25.19
SORADA	Pipalpanka	RF	2	553.13	1.45	0.54	0.18	0.00	0.00	0.00	2.41
SORADA	Pipalpanka	RF	3	606.03	2.81	0.66	0.00	0.00	0.00	0.00	5.79
SORADA	Pipalpanka	RF	4	558.20	0.72	0.00	0.00	0.00	0.00	0.00	0.89
SORADA	Pipalpanka	RF	5	600.22	0.33	0.00	0.00	0.00	0.00	0.00	1.15
SORADA	Pipalpanka	RF	6	637.06	2.83	0.47	0.00	0.00	0.00	0.00	5.39
					0.00	0.00	0.00	0.00	0.00	0.00	

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Mundapita	RF	1	627.36	0.16	0.00	0.00	0.00	0.00	0.00	1.36
SORADA	Mundapita	RF	2	553.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	3	610.52	1.15	0.00	0.00	0.00	0.00	0.00	0.94
SORADA	Mundapita	RF	4	476.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Hukuma	RF	1	692.91	1.30	0.00	0.00	0.00	0.00	0.00	1.05
SORADA	Hukuma	RF	2	531.01	0.38	0.00	0.00	0.00	0.00	0.00	1.10
SORADA	Hukuma	RF	3	522.48	1.15	0.00	0.00	0.00	0.00	0.00	0.95
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Bondhagocha	RF	1	613.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Bondhagocha	RF	2	693.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhepaguda	RF	1	334.78	2.09	0.60	0.30	0.00	0.00	0.00	4.01
SORADA	Dhepaguda	RF	2	493.00	2.64	0.41	0.20	0.00	0.00	0.00	4.95
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dabuki	RF	1	506.32	1.38	0.00	0.00	0.00	0.00	0.00	1.13
SORADA	Pankalagam	RF	1	265.59	0.75	0.00	0.00	0.00	0.00	0.00	0.88
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Budurung	RF	1	316.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Chamunda	RF	1	265.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kadapada	RF	1	677.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kumarsuni Vishnucha	RF	1	1081.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Binodia	RF	1	209.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Tangarai	RF	1	817.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Nagiri	RF	1	449.55	0.89	0.00	0.00	0.00	0.00	0.00	0.87
BUGUDA	Solundi	RF	1	362.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Jhollery	RF	1	914.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Sandasulia	RF	1	848.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BUGUDA	Panchabhuti-C	RF	1	198.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-B	RF	1	354.66	0.00	0.28	0.00	0.00	0.00	0.00	0.27
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kurchuli-A	RF	1	390.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	2	646.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	3	533.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	4	662.32	0.15	0.00	0.00	0.00	0.00	0.00	1.37
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kriamba-Jadupadi	RF	1	432.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	2	639.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	3	555.56	1.08	0.18	0.00	0.00	0.00	0.00	0.99
BUGUDA	Kriamba-Jadupadi	RF	4	959.71	0.10	0.00	0.00	0.00	0.00	0.00	1.44
BUGUDA	Kriamba-Jadupadi	RF	5	714.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	6	756.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	7	858.22	0.47	0.00	0.00	0.00	0.00	0.00	1.02
BUGUDA	Kriamba-Jadupadi	RF	8	498.73	0.20	0.00	0.00	0.00	0.00	0.00	1.31
BUGUDA	Kriamba-Jadupadi	RF	9	465.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	10	733.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	11	786.82	0.13	0.00	0.00	0.00	0.00	0.00	1.41
BUGUDA	Kriamba-Jadupadi	RF	12	443.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	13	876.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Panchabhuti-A	RF	1	609.28	1.15	0.00	0.00	0.00	0.00	0.00	0.95
BUGUDA	Panchabhuti-A	RF	2	282.83	2.47	0.00	0.00	0.00	0.00	0.00	3.46
BUGUDA	Panchabhuti-A	RF	3	529.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Panchabhuti-A	RF	4	368.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-I	DPF	1	410.00	0.98	0.00	0.00	0.00	0.00	0.00	0.88

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Kansa	DPF	1	181.53	3.86	0.00	0.00	0.00	0.00	0.00	9.81
ASKA	Badadanda	DPF	1	50.00	2.00	0.00	0.00	0.00	0.00	0.00	2.15
ASKA	Chapudia	DPF	1	260.00	1.15	0.00	0.00	0.00	0.00	0.00	0.95
ASKA	Rasibadi	DPF	1	370.00	0.54	0.00	0.00	0.00	0.00	0.00	0.97
ASKA	Bhumi dimiripalli	PRF	1	15.89	6.29	0.00	0.00	0.00	0.00	0.00	30.33
ASKA	Badua	PRF	1	80.00	3.75	0.00	0.00	0.00	0.00	0.00	9.19
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-II	DPF	1	355.00	1.13	0.28	0.00	0.00	0.00	0.00	1.20
ASKA	Malijhar-II	DPF	2	260.00	2.31	1.15	0.00	0.00	0.00	0.00	5.70
ASKA	Malijhar-II	DPF	3	300.00	4.33	0.33	0.00	0.00	0.00	0.00	13.27
ASKA	Malijhar-II	DPF	4	260.00	5.77	1.15	0.00	0.00	0.00	0.00	27.67
ASKA	Malijhar-II	DPF	5	345.00	1.74	0.00	0.00	0.00	0.00	0.00	1.63
ASKA	Malijhar-II	DPF	6	215.00	1.40	0.00	0.00	0.00	0.00	0.00	1.15
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Ambadaban	DPF	1	175.00	2.29	0.00	0.00	0.00	0.00	0.00	2.88
ASKA	Ambadaban	DPF	2	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	3	140.00	2.86	0.00	0.00	0.00	0.00	0.00	4.83
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Pakadi	DPF	1	250.00	2.80	0.00	0.00	0.00	0.00	0.00	4.61
ASKA	Pakadi	DPF	2	240.00	2.50	0.00	0.00	0.00	0.00	0.00	3.54
ASKA	Pakadi	DPF	3	140.00	2.14	0.00	0.00	0.00	0.00	0.00	2.50
ASKA	Pakadi	DPF	4	340.00	2.65	0.00	0.00	0.00	0.00	0.00	4.04
ASKA	Pakadi	DPF	5	220.00	2.73	0.00	0.00	0.00	0.00	0.00	4.33
ASKA	Pakadi	DPF	6	270.00	1.48	0.00	0.00	0.00	0.00	0.00	1.25
ASKA	Pakadi	DPF	7	130.00	3.85	0.00	0.00	0.00	0.00	0.00	9.75
ASKA	Pakadi	DPF	8	130.00	2.31	0.00	0.00	0.00	0.00	0.00	2.95
ASKA	Pakadi	DPF	9	140.00	2.14	0.00	0.00	0.00	0.00	0.00	2.50
ASKA	Pakadi	DPF	10	110.00	6.36	0.00	0.00	0.00	0.00	0.00	31.10

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gadagada	DPF	1	190.00	1.58	0.00	0.00	0.00	0.00	0.00	1.37
ASKA	Gadagada	DPF	2	155.00	1.94	0.00	0.00	0.00	0.00	0.00	2.01
ASKA	Gadagada	DPF	3	130.00	3.08	0.00	0.00	0.00	0.00	0.00	5.76
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Chemidi	DPF	1	345.00	1.74	0.00	0.00	0.00	0.00	0.00	1.63
ASKA	Chemidi	DPF	2	115.00	8.70	0.00	0.00	0.00	0.00	0.00	62.19
ASKA	Chemidi	DPF	3	355.00	4.23	0.00	0.00	0.00	0.00	0.00	12.16
ASKA	Chemidi	DPF	4	180.00	2.22	1.11	0.00	0.00	0.00	0.00	5.30
ASKA	Chemidi	DPF	5	70.00	7.14	0.00	0.00	0.00	0.00	0.00	40.28
ASKA	Chemidi	DPF	6	230.00	1.30	0.00	0.00	0.00	0.00	0.00	1.06
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Machakhai	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Machakhai	DPF	2	165.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Hatimunda	DPF	1	175.00	4.00	0.00	0.00	0.00	0.00	0.00	10.69
ASKA	Hatimunda	DPF	2	180.00	5.00	0.00	0.00	0.00	0.00	0.00	17.96
ASKA	Hatimunda	DPF	3	90.00	2.22	0.00	0.00	0.00	0.00	0.00	2.71
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Suliaguda	DPF	1	265.00	1.13	0.00	0.00	0.00	0.00	0.00	0.94
ASKA	Suliaguda	DPF	2	195.00	5.64	0.00	0.00	0.00	0.00	0.00	23.68
ASKA	Suliaguda	DPF	3	235.00	1.28	0.00	0.00	0.00	0.00	0.00	1.03
ASKA	Suliaguda	DPF	4	180.00	3.89	0.00	0.00	0.00	0.00	0.00	10.01
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gouduni	PRF	1	142.33	4.22	0.00	0.00	0.00	0.00	0.00	12.09
ASKA	Gouduni	PRF	2	157.00	0.64	0.00	0.00	0.00	0.00	0.00	0.92
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Badagada-C	UDPF	1	340.00	3.82	0.00	0.00	0.00	0.00	0.00	9.62

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	2	305.00	4.26	0.33	0.00	0.00	0.00	0.00	12.77
ASKA	Badagada-C	UDPF	3	165.00	6.67	0.61	0.00	0.00	0.00	0.00	35.54
ASKA	Badagada-C	UDPF	4	315.00	4.76	0.63	0.00	0.00	0.00	0.00	17.14
ASKA	Badagada-C	UDPF	5	310.00	3.23	0.00	0.00	0.00	0.00	0.00	6.44
ASKA	Badagada-C	UDPF	6	275.00	7.27	4.36	1.82	0.00	0.00	0.00	73.74
ASKA	Badagada-C	UDPF	7	700.00	2.29	0.00	0.00	0.00	0.00	0.00	2.88
ASKA	Badagada-C	UDPF	8	325.00	3.69	0.00	0.00	0.00	0.00	0.00	8.86
ASKA	Badagada-C	UDPF	9	455.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	10	485.00	1.44	0.62	0.00	0.00	0.00	0.00	2.25
ASKA	Badagada-C	UDPF	11	440.00	2.05	0.45	0.00	0.00	0.00	0.00	2.90
ASKA	Badagada-C	UDPF	12	460.00	1.74	0.00	0.00	0.00	0.00	0.00	1.63
ASKA	Badagada-C	UDPF	13	575.00	2.43	0.00	0.00	0.00	0.00	0.00	3.33
ASKA	Badagada-C	UDPF	14	340.00	3.53	0.00	0.00	0.00	0.00	0.00	7.96
ASKA	Badagada-C	UDPF	15	320.00	2.50	0.00	0.00	0.00	0.00	0.00	3.54
ASKA	Badagada-C	UDPF	16	385.00	4.42	0.00	0.00	0.00	0.00	0.00	13.47
ASKA	Badagada-C	UDPF	17	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	18	395.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	19	465.00	4.73	0.00	0.00	0.00	0.00	0.00	15.81
ASKA	Badagada-C	UDPF	20	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	21	390.00	1.79	0.00	0.00	0.00	0.00	0.00	1.73
ASKA	Badagada-C	UDPF	22	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	23	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	24	150.00	2.00	0.00	0.00	0.00	0.00	0.00	2.15
ASKA	Badagada-C	UDPF	25	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	26	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	27	355.00	5.63	0.00	0.00	0.00	0.00	0.00	23.61
ASKA	Badagada-C	UDPF	28	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	29	210.00	3.81	0.00	0.00	0.00	0.00	0.00	9.54

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	30	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Kantakhhol	DPF	1	270.00	1.11	0.00	0.00	0.00	0.00	0.00	0.93
ASKA	Kantakhhol	DPF	2	120.00	1.67	0.00	0.00	0.00	0.00	0.00	1.51
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Pandaripada	DPF	1	185.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	2	415.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	3	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	4	375.00	0.27	0.00	0.00	0.00	0.00	0.00	1.22
POLOSARA	Pandaripada	DPF	5	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	6	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	7	440.00	0.23	0.23	0.00	0.00	0.00	0.00	1.44
POLOSARA	Pandaripada	DPF	8	260.00	0.38	0.00	0.00	0.00	0.00	0.00	1.10
POLOSARA	Pandaripada	DPF	9	345.00	1.45	0.00	0.00	0.00	0.00	0.00	1.21
POLOSARA	Pandaripada	DPF	10	305.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	11	510.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	12	495.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	13	170.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	14	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	15	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	16	565.00	0.71	0.00	0.00	0.00	0.00	0.00	0.89
POLOSARA	Pandaripada	DPF	17	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	18	365.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	19	330.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	20	260.00	0.38	0.00	0.00	0.00	0.00	0.00	1.10
POLOSARA	Pandaripada	DPF	21	110.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	22	470.00	0.00	0.21	0.00	0.00	0.00	0.00	0.14
POLOSARA	Pandaripada	DPF	23	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Pandaripada	DPF	24	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	25	280.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	26	270.00	0.37	0.00	0.00	0.00	0.00	0.00	1.11
POLOSARA	Pandaripada	DPF	27	325.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	28	500.00	1.40	0.00	0.00	0.00	0.00	0.00	1.15
POLOSARA	Pandaripada	DPF	29	375.00	1.87	0.00	0.00	0.00	0.00	0.00	1.87
POLOSARA	Pandaripada	DPF	30	225.00	3.11	0.00	0.00	0.00	0.00	0.00	5.91
POLOSARA	Pandaripada	DPF	31	200.00	3.50	0.00	0.00	0.00	0.00	0.00	7.81
POLOSARA	Pandaripada	DPF	32	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	33	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	34	335.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	35	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	36	475.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	37	385.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	38	125.00	3.20	0.00	0.00	0.00	0.00	0.00	6.32
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Bhalukhai	DPF	1	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Sodaka-A	DPF	1	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Sodaka-B	DPF	1	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Kakudia	DPF	1	85.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Jokalundi	PRF	1	390.00	1.79	0.51	0.00	0.00	0.00	0.00	2.51
POLOSARA	Paikajamuna	DPF	1	335.48	0.89	0.89	0.00	0.00	0.00	0.00	2.72
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Purunapani Daburia	PRF	1	320.00	0.00	2.81	0.00	0.00	0.00	0.00	11.67
POLOSARA	Purunapani Daburia	PRF	2	275.00	0.73	1.09	0.00	0.00	0.00	0.00	3.41
POLOSARA	Purunapani Daburia	PRF	3	345.00	3.48	0.58	0.00	0.00	0.00	0.00	8.64
POLOSARA	Purunapani Daburia	PRF	4	470.00	1.91	0.00	0.00	0.00	0.00	0.00	1.97
POLOSARA	Purunapani Daburia	PRF	5	325.00	3.69	0.00	0.00	0.00	0.00	0.00	8.86

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Purunapani Daburia	PRF	6	380.00	2.63	1.05	0.00	0.00	0.00	0.00	6.37
POLOSARA	Purunapani Daburia	PRF	7	240.00	6.25	2.08	0.00	0.00	0.00	0.00	36.94
POLOSARA	Purunapani Daburia	PRF	8	170.00	13.53	2.35	0.00	0.00	0.00	0.00	169.91
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Khaladimal	PRF	1	400.00	1.50	0.50	0.00	0.00	0.00	0.00	2.02
POLOSARA	Khaladimal	PRF	2	275.00	0.00	0.73	0.36	0.00	0.00	0.00	2.16
POLOSARA	Khaladimal	PRF	3	125.00	1.60	0.00	0.00	0.00	0.00	0.00	1.41
POLOSARA	Khaladimal	PRF	4	135.00	2.96	0.00	0.00	0.00	0.00	0.00	5.27
POLOSARA	Khaladimal	PRF	5	430.00	0.00	0.47	0.70	0.00	0.00	0.00	2.49
POLOSARA	Khaladimal	PRF	6	150.00	8.67	8.00	0.00	0.00	0.00	0.00	136.82
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-A	UDPF	1	205.00	0.49	0.00	0.00	0.00	0.00	0.00	1.01
BADAGADA	Badagada-A	UDPF	2	100.00	2.00	0.00	0.00	0.00	0.00	0.00	2.15
BADAGADA	Badagada-A	UDPF	3	395.00	3.04	0.25	0.00	0.00	0.00	0.00	5.80
BADAGADA	Badagada-A	UDPF	4	380.00	1.84	0.26	0.00	0.00	0.00	0.00	2.05
BADAGADA	Badagada-A	UDPF	5	345.00	2.32	0.00	0.00	0.00	0.00	0.00	2.98
BADAGADA	Badagada-A	UDPF	6	285.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	7	340.00	0.88	0.29	0.00	0.00	0.00	0.00	1.16
BADAGADA	Badagada-A	UDPF	8	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	9	430.00	1.86	0.00	0.00	0.00	0.00	0.00	1.86
BADAGADA	Badagada-A	UDPF	10	220.00	6.82	0.00	0.00	0.00	0.00	0.00	36.31
BADAGADA	Badagada-A	UDPF	11	250.00	4.80	0.00	0.00	0.00	0.00	0.00	16.35
BADAGADA	Badagada-A	UDPF	12	375.00	3.47	0.00	0.00	0.00	0.00	0.00	7.63
BADAGADA	Badagada-A	UDPF	13	270.00	2.59	0.74	0.00	0.00	0.00	0.00	5.24
BADAGADA	Badagada-A	UDPF	14	355.00	4.79	0.00	0.00	0.00	0.00	0.00	16.26
BADAGADA	Badagada-A	UDPF	15	655.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	16	530.00	0.38	0.00	0.00	0.00	0.00	0.00	1.10
BADAGADA	Badagada-A	UDPF	17	315.00	2.22	0.32	0.00	0.00	0.00	0.00	3.05

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Badagada-A	UDPF	18	435.00	2.76	0.69	0.00	0.00	0.00	0.00	5.69
BADAGADA	Badagada-A	UDPF	19	345.00	2.32	0.00	0.00	0.00	0.00	0.00	2.98
BADAGADA	Badagada-A	UDPF	20	820.00	1.46	0.12	0.00	0.00	0.00	0.00	1.20
BADAGADA	Badagada-A	UDPF	21	535.00	0.19	0.00	0.00	0.00	0.00	0.00	1.32
BADAGADA	Badagada-A	UDPF	22	295.00	0.68	0.00	0.00	0.00	0.00	0.00	0.90
BADAGADA	Badagada-A	UDPF	23	275.00	0.36	0.00	0.00	0.00	0.00	0.00	1.12
BADAGADA	Badagada-A	UDPF	24	260.00	0.38	0.00	0.00	0.00	0.00	0.00	1.10
BADAGADA	Badagada-A	UDPF	25	365.00	0.55	0.00	0.00	0.00	0.00	0.00	0.97
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-B	UDPF	1	540.00	4.07	0.00	0.00	0.00	0.00	0.00	11.16
BADAGADA	Badagada-B	UDPF	2	290.00	4.14	1.03	0.00	0.00	0.00	0.00	13.90
BADAGADA	Badagada-B	UDPF	3	465.00	0.43	0.00	0.00	0.00	0.00	0.00	1.05
BADAGADA	Badagada-B	UDPF	4	190.00	5.79	0.00	0.00	0.00	0.00	0.00	25.12
BADAGADA	Badagada-B	UDPF	5	205.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	6	555.00	3.06	0.00	0.00	0.00	0.00	0.00	5.70
BADAGADA	Badagada-B	UDPF	7	670.00	7.16	0.00	0.00	0.00	0.00	0.00	40.55
BADAGADA	Badagada-B	UDPF	8	460.00	0.43	0.00	0.00	0.00	0.00	0.00	1.05
BADAGADA	Badagada-B	UDPF	9	140.00	7.86	0.00	0.00	0.00	0.00	0.00	49.76
BADAGADA	Badagada-B	UDPF	10	190.00	8.95	0.00	0.00	0.00	0.00	0.00	66.19
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Goudagotha	DPF	1	237.50	9.26	0.00	0.00	0.00	0.00	0.00	71.40
BADAGADA	Goudagotha	DPF	2	240.00	5.00	1.25	0.00	0.00	0.00	0.00	21.08
BADAGADA	Goudagotha	DPF	3	265.00	0.75	0.00	0.00	0.00	0.00	0.00	0.88
BADAGADA	Goudagotha	DPF	4	430.00	2.56	0.00	0.00	0.00	0.00	0.00	3.73
BADAGADA	Goudagotha	DPF	5	512.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	6	442.50	0.45	0.00	0.00	0.00	0.00	0.00	1.04
BADAGADA	Goudagotha	DPF	7	380.00	0.53	0.00	0.00	0.00	0.00	0.00	0.98
BADAGADA	Goudagotha	DPF	8	280.00	0.36	0.00	0.00	0.00	0.00	0.00	1.12

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Goudagotha	DPF	9	410.00	0.24	0.00	0.00	0.00	0.00	0.00	1.25
BADAGADA	Goudagotha	DPF	10	370.00	0.27	0.00	0.00	0.00	0.00	0.00	1.22
BADAGADA	Goudagotha	DPF	11	332.50	0.60	0.00	0.00	0.00	0.00	0.00	0.93
BADAGADA	Goudagotha	DPF	12	370.00	3.24	0.27	0.00	0.00	0.00	0.00	6.77
BADAGADA	Goudagotha	DPF	13	330.00	2.12	0.30	0.00	0.00	0.00	0.00	2.76
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Merikote	DPF	1	599.24	1.34	0.00	0.00	0.00	0.00	0.00	1.09
BADAGADA	Merikote	DPF	2	435.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	3	555.50	0.54	0.18	0.00	0.00	0.00	0.00	1.05
BADAGADA	Merikote	DPF	4	498.00	1.61	0.00	0.00	0.00	0.00	0.00	1.41
BADAGADA	Merikote	DPF	5	463.00	3.24	0.00	0.00	0.00	0.00	0.00	6.50
BADAGADA	Merikote	DPF	6	560.50	2.14	0.00	0.00	0.00	0.00	0.00	2.49
BADAGADA	Merikote	DPF	7	408.00	3.19	0.00	0.00	0.00	0.00	0.00	6.25
BADAGADA	Merikote	DPF	8	435.50	1.61	0.46	0.00	0.00	0.00	0.00	2.07
BADAGADA	Merikote	DPF	9	503.00	3.38	0.00	0.00	0.00	0.00	0.00	7.19
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Raipada	RF	1	506.65	2.96	0.00	0.00	0.00	0.00	0.00	5.26
BADAGADA	Raipada	RF	2	554.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	3	489.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	4	527.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	5	719.30	0.00	0.00	0.14	0.00	0.00	0.00	0.26
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Srirampalli	PRF	1	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Mahisikhata	UDPF	1	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Mahisikhata	UDPF	2	328.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

Total Block Area:

111680.09

TOTAL: 553.87 87.34 7.71 0.81 0.00 0.00 649.72

MEAN: 1.86 0.29 0.03 0.00 0.00 0.00 2.19

STDEV: 1.89 0.76 0.14 0.03 0.00 0.00 2.81

Std. Error (mean): 0.11 0.04 0.01 0.00 0.00 0.00 0.16

All Blocks (Tree): 208270.55 32841.32 2897.98 303.47 0.00 0.00 244313.31

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

CHAR

SORADA	Pondakhol	RF	1	526.00	11.18	1.90	0.19	0.00	0.00	0.00	14.54
SORADA	Pondakhol	RF	2	332.90	17.66	3.00	0.30	0.00	0.00	0.00	83.06
SORADA	Pondakhol	RF	3	441.33	22.34	3.53	0.91	0.00	0.05	0.00	186.44
SORADA	Pondakhol	RF	4	229.51	6.62	1.57	1.05	0.17	0.00	0.00	21.38
SORADA	Pondakhol	RF	5[a]	383.66	11.99	3.44	0.21	0.00	0.00	0.00	23.25
SORADA	Pondakhol	RF	6	313.42	14.10	4.21	0.89	0.06	0.00	0.00	44.96
SORADA	Pondakhol	RF	7	378.14	10.58	2.86	0.21	0.00	0.00	0.00	15.44
SORADA	Pondakhol	RF	8	344.37	5.05	2.15	0.41	0.00	0.00	0.00	31.27
SORADA	Pondakhol	RF	9	419.68	10.87	4.91	0.52	0.14	0.00	0.00	29.04
SORADA	Pondakhol	RF	10	240.38	13.15	4.49	0.92	0.08	0.00	0.00	38.88
SORADA	Pondakhol	RF	11	487.22	11.99	5.05	0.78	0.00	0.00	0.00	35.13
SORADA	Pondakhol	RF	12	334.67	5.20	2.21	0.42	0.00	0.00	0.00	30.19
SORADA	Pondakhol	RF	13	567.05	3.81	1.76	0.67	0.00	0.00	0.00	43.59
SORADA	Pondakhol	RF	14	618.00	14.37	8.87	1.52	0.42	0.00	0.00	102.49
SORADA	Pondakhol	RF	15	397.54	9.66	2.77	0.70	0.20	0.15	0.05	15.83
SORADA	Pondakhol	RF	16	596.30	9.22	6.44	2.28	0.27	0.07	0.00	49.36
SORADA	Pondakhol	RF	17	340.33	14.93	7.99	3.06	0.24	0.00	0.00	104.29
SORADA	Pondakhol	RF	18	569.36	3.83	1.55	0.28	0.00	0.00	0.00	42.10
SORADA	Pondakhol	RF	19	282.80	10.33	4.24	0.99	0.00	0.00	0.00	24.13
SORADA	Pondakhol	RF	20	465.08	7.35	3.27	0.09	0.00	0.00	0.00	19.71
SORADA	Pondakhol	RF	21	294.44	5.57	1.77	0.68	0.00	0.00	0.00	27.03
SORADA	Pondakhol	RF	22	321.75	4.23	3.36	0.12	0.00	0.00	0.00	42.77
SORADA	Pondakhol	RF	23	520.35	1.73	1.15	0.35	0.00	0.00	0.00	69.78
SORADA	Pondakhol	RF	24	175.17	10.16	1.60	0.91	0.11	0.00	0.00	13.67
SORADA	Pondakhol	RF	25	288.94	3.32	0.28	0.00	0.00	0.00	0.00	47.88
SORADA	Pondakhol	RF	26	149.20	4.02	0.40	0.00	0.00	0.00	0.00	39.71
SORADA	Pondakhol	RF	27[a]	449.26	11.22	5.08	0.49	0.00	0.00	0.00	31.14

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Pondakhhol	RF	28	419.35	16.60	3.72	0.29	0.00	0.00	0.00	69.93
SORADA	Pondakhhol	RF	29[a]	578.64	14.59	5.94	0.41	0.00	0.00	0.00	62.37
SORADA	Pondakhhol	RF	30	563.18	9.94	4.69	0.64	0.04	0.04	0.00	25.66
SORADA	Pondakhhol	RF	31	475.59	7.61	4.00	1.18	0.00	0.00	0.00	25.64
SORADA	Pondakhhol	RF	32	478.34	12.46	5.56	1.09	0.08	0.00	0.00	43.43
SORADA	Pondakhhol	RF	33	346.47	10.39	1.67	0.12	0.00	0.00	0.00	11.86
SORADA	Pondakhhol	RF	34	567.05	9.59	4.62	0.07	0.00	0.00	0.00	23.48
SORADA	Pondakhhol	RF	35	456.52	19.80	2.98	0.53	0.04	0.09	0.00	123.68
SORADA	Pondakhhol	RF	36[a]	286.58	17.45	3.28	0.00	0.00	0.00	0.00	80.33
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[a]	250.90	14.67	6.78	0.40	0.00	0.00	0.00	72.09
SORADA	Dhaugam	RF	2[a]	375.20	10.29	6.45	0.32	0.00	0.00	0.00	41.31
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pondakhhol	RF	5[b]	100.82	12.89	8.93	0.00	0.00	0.00	0.00	85.41
SORADA	Pondakhhol	RF	27[b]	245.62	25.24	7.33	1.22	0.00	0.00	0.00	304.61
SORADA	Pondakhhol	RF	29[b]	198.50	27.20	1.51	0.00	0.00	0.00	0.00	327.60
SORADA	Pondakhhol	RF	36[b]	301.19	17.26	7.64	0.00	0.00	0.00	0.00	116.26
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[b]	203.06	72.39	30.53	1.97	0.00	0.00	0.00	4857.17
SORADA	Dhaugam	RF	2[b]	203.04	18.22	11.33	0.49	0.00	0.00	0.00	195.70
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pipalpanka	RF	1	441.76	5.43	3.17	1.36	0.00	0.00	0.00	34.66
SORADA	Pipalpanka	RF	2	553.13	1.27	0.72	0.18	0.00	0.00	0.00	76.82
SORADA	Pipalpanka	RF	3	606.03	2.15	0.66	0.17	0.00	0.00	0.00	63.29
SORADA	Pipalpanka	RF	4	558.20	3.22	0.54	0.18	0.00	0.00	0.00	48.92
SORADA	Pipalpanka	RF	5	600.22	1.50	0.17	0.00	0.00	0.00	0.00	73.54
SORADA	Pipalpanka	RF	6	637.06	2.67	1.10	0.00	0.00	0.00	0.00	55.74
					0.00	0.00	0.00	0.00	0.00	0.00	

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Mundapita	RF	1	627.36	0.80	0.00	0.00	0.00	0.00	0.00	83.44
SORADA	Mundapita	RF	2	553.98	11.37	0.90	0.00	0.00	0.00	0.00	14.30
SORADA	Mundapita	RF	3	610.52	3.93	0.33	0.00	0.00	0.00	0.00	40.78
SORADA	Mundapita	RF	4	476.29	7.98	2.10	0.21	0.00	0.00	0.00	13.84
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Hukuma	RF	1	692.91	2.45	0.14	0.00	0.00	0.00	0.00	59.41
SORADA	Hukuma	RF	2	531.01	1.32	0.00	0.00	0.00	0.00	0.00	74.74
SORADA	Hukuma	RF	3	522.48	4.21	0.19	0.00	0.00	0.00	0.00	38.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Bondhagocha	RF	1	613.64	4.40	1.14	0.00	0.00	0.00	0.00	35.44
SORADA	Bondhagocha	RF	2	693.69	3.89	1.01	0.00	0.00	0.00	0.00	40.75
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhepaguda	RF	1	334.78	11.35	5.08	0.60	0.00	0.00	0.00	31.95
SORADA	Dhepaguda	RF	2	493.00	5.88	2.64	0.61	0.41	0.00	0.00	27.58
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dabuki	RF	1	506.32	5.73	0.00	0.00	0.00	0.00	0.00	22.90
SORADA	Pankalagam	RF	1	265.59	3.39	0.38	0.00	0.00	0.00	0.00	46.95
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Budurung	RF	1	316.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Chamunda	RF	1	265.59	11.30	0.00	0.00	0.00	0.00	0.00	12.99
BUGUDA	Kadapada	RF	1	677.36	10.33	0.00	0.00	0.00	0.00	0.00	10.27
BUGUDA	Kumarsuni Vishnucha	RF	1	1081.95	6.47	0.00	0.00	0.00	0.00	0.00	18.00
BUGUDA	Binodia	RF	1	209.96	14.29	0.00	0.00	0.00	0.00	0.00	33.29
BUGUDA	Tangarai	RF	1	817.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Nagiri	RF	1	449.55	4.00	0.00	0.00	0.00	0.00	0.00	38.53
BUGUDA	Solundi	RF	1	362.75	12.13	0.00	0.00	0.00	0.00	0.00	16.84
BUGUDA	Jhollery	RF	1	914.98	13.12	0.00	0.00	0.00	0.00	0.00	23.19
BUGUDA	Sandasulia	RF	1	848.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BUGUDA	Panchabhuti-C	RF	1	198.38	1.01	0.00	0.00	0.00	0.00	0.00	79.85
BUGUDA	Kurchuli-B	RF	1	354.66	23.97	0.28	0.00	0.00	0.00	0.00	223.07
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kurchuli-A	RF	1	390.76	20.47	0.26	0.00	0.00	0.00	0.00	133.54
BUGUDA	Kurchuli-A	RF	2	646.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	3	533.09	6.94	2.25	0.00	0.00	0.00	0.00	18.02
BUGUDA	Kurchuli-A	RF	4	662.32	3.47	0.30	0.00	0.00	0.00	0.00	46.04
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kriamba-Jadupadi	RF	1	432.88	6.70	2.08	0.00	0.00	0.00	0.00	18.86
BUGUDA	Kriamba-Jadupadi	RF	2	639.53	25.80	0.63	0.00	0.00	0.00	0.00	279.47
BUGUDA	Kriamba-Jadupadi	RF	3	555.56	7.92	1.08	0.00	0.00	0.00	0.00	12.60
BUGUDA	Kriamba-Jadupadi	RF	4	959.71	2.29	0.83	0.10	0.00	0.00	0.00	60.98
BUGUDA	Kriamba-Jadupadi	RF	5	714.56	13.57	1.12	0.00	0.00	0.00	0.00	27.83
BUGUDA	Kriamba-Jadupadi	RF	6	756.83	1.85	0.00	0.00	0.00	0.00	0.00	66.43
BUGUDA	Kriamba-Jadupadi	RF	7	858.22	7.22	0.00	0.00	0.00	0.00	0.00	14.14
BUGUDA	Kriamba-Jadupadi	RF	8	498.73	18.05	2.01	0.60	0.00	0.00	0.00	87.28
BUGUDA	Kriamba-Jadupadi	RF	9	465.24	27.94	1.72	0.00	0.00	0.00	0.00	354.70
BUGUDA	Kriamba-Jadupadi	RF	10	733.69	2.86	0.00	0.00	0.00	0.00	0.00	52.16
BUGUDA	Kriamba-Jadupadi	RF	11	786.82	2.16	0.00	0.00	0.00	0.00	0.00	61.83
BUGUDA	Kriamba-Jadupadi	RF	12	443.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	13	876.22	4.57	0.23	0.00	0.00	0.00	0.00	34.39
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Panchabhuti-A	RF	1	609.28	1.97	0.33	0.00	0.00	0.00	0.00	66.09
BUGUDA	Panchabhuti-A	RF	2	282.83	9.55	2.47	0.00	0.00	0.00	0.00	12.59
BUGUDA	Panchabhuti-A	RF	3	529.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Panchabhuti-A	RF	4	368.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-I	DPF	1	410.00	3.66	0.73	0.00	0.00	0.00	0.00	43.46

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Kansa	DPF	1	181.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badadanda	DPF	1	50.00	14.00	0.00	0.00	0.00	0.00	0.00	30.55
ASKA	Chapudia	DPF	1	260.00	1.92	0.00	0.00	0.00	0.00	0.00	65.33
ASKA	Rasibadi	DPF	1	370.00	1.35	0.00	0.00	0.00	0.00	0.00	74.20
ASKA	Bhumi dimiripalli	PRF	1	15.89	12.59	0.00	0.00	0.00	0.00	0.00	19.55
ASKA	Badua	PRF	1	80.00	16.25	0.00	0.00	0.00	0.00	0.00	56.31
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-II	DPF	1	355.00	1.97	0.56	0.00	0.00	0.00	0.00	65.79
ASKA	Malijhar-II	DPF	2	260.00	2.31	0.77	0.00	0.00	0.00	0.00	60.78
ASKA	Malijhar-II	DPF	3	300.00	2.33	1.33	0.00	0.00	0.00	0.00	60.47
ASKA	Malijhar-II	DPF	4	260.00	1.54	0.00	0.00	0.00	0.00	0.00	71.23
ASKA	Malijhar-II	DPF	5	345.00	3.48	0.00	0.00	0.00	0.00	0.00	44.48
ASKA	Malijhar-II	DPF	6	215.00	3.72	0.00	0.00	0.00	0.00	0.00	41.67
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Ambadaban	DPF	1	175.00	0.57	0.00	0.00	0.00	0.00	0.00	87.37
ASKA	Ambadaban	DPF	2	470.00	0.64	0.00	0.00	0.00	0.00	0.00	86.19
ASKA	Ambadaban	DPF	3	140.00	0.71	0.00	0.00	0.00	0.00	0.00	84.87
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Pakadi	DPF	1	250.00	3.20	0.40	0.00	0.00	0.00	0.00	49.22
ASKA	Pakadi	DPF	2	240.00	0.83	0.00	0.00	0.00	0.00	0.00	82.81
ASKA	Pakadi	DPF	3	140.00	1.43	0.00	0.00	0.00	0.00	0.00	72.97
ASKA	Pakadi	DPF	4	340.00	0.59	0.00	0.00	0.00	0.00	0.00	87.07
ASKA	Pakadi	DPF	5	220.00	1.36	0.00	0.00	0.00	0.00	0.00	74.01
ASKA	Pakadi	DPF	6	270.00	1.11	0.00	0.00	0.00	0.00	0.00	78.13
ASKA	Pakadi	DPF	7	130.00	0.77	0.00	0.00	0.00	0.00	0.00	83.91
ASKA	Pakadi	DPF	8	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	9	140.00	1.43	0.00	0.00	0.00	0.00	0.00	72.97
ASKA	Pakadi	DPF	10	110.00	1.82	0.00	0.00	0.00	0.00	0.00	66.91

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gadagada	DPF	1	190.00	1.58	0.00	0.00	0.00	0.00	0.00	70.59
ASKA	Gadagada	DPF	2	155.00	10.32	0.00	0.00	0.00	0.00	0.00	10.25
ASKA	Gadagada	DPF	3	130.00	23.85	0.77	0.00	0.00	0.00	0.00	219.11
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Chemidi	DPF	1	345.00	4.35	0.87	0.00	0.00	0.00	0.00	35.96
ASKA	Chemidi	DPF	2	115.00	28.70	6.09	0.00	0.00	0.00	0.00	408.53
ASKA	Chemidi	DPF	3	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	4	180.00	40.00	7.22	0.00	0.00	0.00	0.00	985.38
ASKA	Chemidi	DPF	5	70.00	37.14	4.29	0.00	0.00	0.00	0.00	790.78
ASKA	Chemidi	DPF	6	230.00	9.13	0.00	0.00	0.00	0.00	0.00	9.47
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Machakhai	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Machakhai	DPF	2	165.00	8.48	0.00	0.00	0.00	0.00	0.00	10.24
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Hatimunda	DPF	1	175.00	16.57	0.00	0.00	0.00	0.00	0.00	60.81
ASKA	Hatimunda	DPF	2	180.00	9.44	0.56	0.00	0.00	0.00	0.00	10.60
ASKA	Hatimunda	DPF	3	90.00	7.78	0.00	0.00	0.00	0.00	0.00	12.04
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Suliaguda	DPF	1	265.00	1.13	0.00	0.00	0.00	0.00	0.00	77.78
ASKA	Suliaguda	DPF	2	195.00	2.05	0.00	0.00	0.00	0.00	0.00	63.42
ASKA	Suliaguda	DPF	3	235.00	0.43	0.00	0.00	0.00	0.00	0.00	89.97
ASKA	Suliaguda	DPF	4	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gouduni	PRF	1	142.33	15.46	0.70	0.00	0.00	0.00	0.00	47.16
ASKA	Gouduni	PRF	2	157.00	3.18	0.00	0.00	0.00	0.00	0.00	48.05
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Badagada-C	UDPF	1	340.00	4.41	0.00	0.00	0.00	0.00	0.00	34.30

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	2	305.00	13.11	0.00	0.00	0.00	0.00	0.00	23.19
ASKA	Badagada-C	UDPF	3	165.00	10.91	1.82	0.00	0.00	0.00	0.00	13.34
ASKA	Badagada-C	UDPF	4	315.00	11.11	0.00	0.00	0.00	0.00	0.00	12.32
ASKA	Badagada-C	UDPF	5	310.00	8.06	0.32	0.00	0.00	0.00	0.00	12.65
ASKA	Badagada-C	UDPF	6	275.00	19.27	6.55	0.00	0.00	0.00	0.00	138.58
ASKA	Badagada-C	UDPF	7	700.00	3.14	0.00	0.00	0.00	0.00	0.00	48.57
ASKA	Badagada-C	UDPF	8	325.00	9.23	0.00	0.00	0.00	0.00	0.00	9.43
ASKA	Badagada-C	UDPF	9	455.00	5.27	0.00	0.00	0.00	0.00	0.00	26.43
ASKA	Badagada-C	UDPF	10	485.00	7.84	0.62	0.00	0.00	0.00	0.00	13.00
ASKA	Badagada-C	UDPF	11	440.00	7.27	3.86	0.45	0.00	0.00	0.00	23.88
ASKA	Badagada-C	UDPF	12	460.00	3.26	0.65	0.00	0.00	0.00	0.00	48.23
ASKA	Badagada-C	UDPF	13	575.00	9.57	1.22	0.00	0.00	0.00	0.00	10.48
ASKA	Badagada-C	UDPF	14	340.00	6.47	0.00	0.00	0.00	0.00	0.00	17.99
ASKA	Badagada-C	UDPF	15	320.00	5.31	0.00	0.00	0.00	0.00	0.00	26.12
ASKA	Badagada-C	UDPF	16	385.00	5.97	0.52	0.00	0.00	0.00	0.00	22.38
ASKA	Badagada-C	UDPF	17	390.00	23.85	0.51	0.00	0.00	0.00	0.00	219.30
ASKA	Badagada-C	UDPF	18	395.00	13.92	0.00	0.00	0.00	0.00	0.00	29.86
ASKA	Badagada-C	UDPF	19	465.00	12.04	0.00	0.00	0.00	0.00	0.00	16.38
ASKA	Badagada-C	UDPF	20	470.00	11.28	0.43	0.00	0.00	0.00	0.00	14.25
ASKA	Badagada-C	UDPF	21	390.00	6.15	0.51	0.00	0.00	0.00	0.00	21.19
ASKA	Badagada-C	UDPF	22	700.00	9.00	0.71	0.00	0.00	0.00	0.00	10.65
ASKA	Badagada-C	UDPF	23	355.00	23.38	1.41	0.00	0.00	0.00	0.00	205.98
ASKA	Badagada-C	UDPF	24	150.00	3.33	2.00	0.00	0.00	0.00	0.00	48.22
ASKA	Badagada-C	UDPF	25	270.00	19.63	0.74	0.00	0.00	0.00	0.00	115.09
ASKA	Badagada-C	UDPF	26	265.00	5.66	0.00	0.00	0.00	0.00	0.00	23.40
ASKA	Badagada-C	UDPF	27	355.00	8.17	0.56	0.00	0.00	0.00	0.00	12.11
ASKA	Badagada-C	UDPF	28	200.00	19.00	5.00	0.50	0.00	0.00	0.00	119.39
ASKA	Badagada-C	UDPF	29	210.00	34.76	1.43	0.00	0.00	0.00	0.00	653.74

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	30	240.00	16.25	2.92	0.00	0.00	0.00	0.00	60.97
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Kantakhhol	DPF	1	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Kantakhhol	DPF	2	120.00	2.50	0.00	0.00	0.00	0.00	0.00	57.03
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Pandaripada	DPF	1	185.00	1.08	0.00	0.00	0.00	0.00	0.00	78.63
POLOSARA	Pandaripada	DPF	2	415.00	2.17	0.00	0.00	0.00	0.00	0.00	61.71
POLOSARA	Pandaripada	DPF	3	360.00	3.33	0.00	0.00	0.00	0.00	0.00	46.22
POLOSARA	Pandaripada	DPF	4	375.00	3.47	0.00	0.00	0.00	0.00	0.00	44.62
POLOSARA	Pandaripada	DPF	5	360.00	1.11	0.00	0.00	0.00	0.00	0.00	78.13
POLOSARA	Pandaripada	DPF	6	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	7	440.00	5.00	0.00	0.00	0.00	0.00	0.00	28.77
POLOSARA	Pandaripada	DPF	8	260.00	8.46	3.08	0.38	0.00	0.00	0.00	16.18
POLOSARA	Pandaripada	DPF	9	345.00	6.38	1.74	0.00	0.00	0.00	0.00	20.09
POLOSARA	Pandaripada	DPF	10	305.00	54.10	1.31	0.00	0.00	0.00	0.00	2008.32
POLOSARA	Pandaripada	DPF	11	510.00	5.69	1.76	0.00	0.00	0.00	0.00	24.79
POLOSARA	Pandaripada	DPF	12	495.00	19.60	1.62	0.00	0.00	0.00	0.00	114.71
POLOSARA	Pandaripada	DPF	13	170.00	8.24	0.00	0.00	0.00	0.00	0.00	10.76
POLOSARA	Pandaripada	DPF	14	375.00	14.67	2.13	0.00	0.00	0.00	0.00	39.41
POLOSARA	Pandaripada	DPF	15	410.00	18.29	0.00	0.00	0.00	0.00	0.00	88.46
POLOSARA	Pandaripada	DPF	16	565.00	3.19	0.00	0.00	0.00	0.00	0.00	48.03
POLOSARA	Pandaripada	DPF	17	270.00	16.30	0.00	0.00	0.00	0.00	0.00	56.94
POLOSARA	Pandaripada	DPF	18	365.00	2.19	0.00	0.00	0.00	0.00	0.00	61.38
POLOSARA	Pandaripada	DPF	19	330.00	9.70	0.61	0.00	0.00	0.00	0.00	10.65
POLOSARA	Pandaripada	DPF	20	260.00	16.54	2.69	1.15	0.00	0.00	0.00	67.18
POLOSARA	Pandaripada	DPF	21	110.00	42.73	2.73	0.00	0.00	0.00	0.00	1124.00
POLOSARA	Pandaripada	DPF	22	470.00	18.09	0.21	0.00	0.00	0.00	0.00	86.43
POLOSARA	Pandaripada	DPF	23	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Pandaripada	DPF	24	270.00	29.63	0.37	0.00	0.00	0.00	0.00	419.99
POLOSARA	Pandaripada	DPF	25	280.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	26	270.00	8.52	0.74	0.00	0.00	0.00	0.00	11.25
POLOSARA	Pandaripada	DPF	27	325.00	11.38	3.69	0.00	0.00	0.00	0.00	21.58
POLOSARA	Pandaripada	DPF	28	500.00	5.40	1.40	0.00	0.00	0.00	0.00	26.57
POLOSARA	Pandaripada	DPF	29	375.00	7.20	1.87	0.00	0.00	0.00	0.00	16.00
POLOSARA	Pandaripada	DPF	30	225.00	5.33	0.89	0.00	0.00	0.00	0.00	26.96
POLOSARA	Pandaripada	DPF	31	200.00	13.50	3.50	0.00	0.00	0.00	0.00	33.44
POLOSARA	Pandaripada	DPF	32	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	33	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	34	335.00	35.82	0.00	0.00	0.00	0.00	0.00	707.40
POLOSARA	Pandaripada	DPF	35	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	36	475.00	6.32	0.00	0.00	0.00	0.00	0.00	18.92
POLOSARA	Pandaripada	DPF	37	385.00	18.18	0.00	0.00	0.00	0.00	0.00	86.50
POLOSARA	Pandaripada	DPF	38	125.00	14.40	0.00	0.00	0.00	0.00	0.00	34.39
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Bhalukhai	DPF	1	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Sodaka-A	DPF	1	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Sodaka-B	DPF	1	430.00	6.98	0.00	0.00	0.00	0.00	0.00	15.28
POLOSARA	Kakudia	DPF	1	85.02	82.33	0.00	0.00	0.00	0.00	0.00	5328.51
POLOSARA	Jokalundi	PRF	1	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Paikajamuna	DPF	1	335.48	10.13	1.79	0.30	0.00	0.00	0.00	11.95
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Purunapani Daburia	PRF	1	320.00	45.31	5.63	0.94	0.00	0.00	0.00	1323.57
POLOSARA	Purunapani Daburia	PRF	2	275.00	0.00	5.09	0.73	0.00	0.00	0.00	19.23
POLOSARA	Purunapani Daburia	PRF	3	345.00	17.39	5.22	0.00	0.00	0.00	0.00	92.01
POLOSARA	Purunapani Daburia	PRF	4	470.00	0.00	2.13	1.28	0.00	0.00	0.00	5.74
POLOSARA	Purunapani Daburia	PRF	5	325.00	14.77	5.85	1.85	0.00	0.00	0.00	68.83

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Purunapani Daburia	PRF	6	380.00	0.00	0.00	1.05	0.00	0.26	0.00	3.19
POLOSARA	Purunapani Daburia	PRF	7	240.00	0.00	0.00	1.67	0.00	0.00	0.00	5.23
POLOSARA	Purunapani Daburia	PRF	8	170.00	51.18	8.24	0.00	0.00	0.00	0.00	1807.89
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Khaladimal	PRF	1	400.00	7.75	0.00	0.00	0.00	0.00	0.00	12.13
POLOSARA	Khaladimal	PRF	2	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Khaladimal	PRF	3	125.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Khaladimal	PRF	4	135.00	25.19	4.44	0.74	0.00	0.00	0.00	272.93
POLOSARA	Khaladimal	PRF	5	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Khaladimal	PRF	6	150.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-A	UDPF	1	205.00	23.90	9.27	0.00	0.00	0.00	0.00	289.02
BADAGADA	Badagada-A	UDPF	2	100.00	47.00	23.00	2.00	0.00	0.00	0.00	1914.96
BADAGADA	Badagada-A	UDPF	3	395.00	23.54	9.62	0.51	0.00	0.00	0.00	285.59
BADAGADA	Badagada-A	UDPF	4	380.00	5.53	1.05	0.53	0.00	0.00	0.00	26.36
BADAGADA	Badagada-A	UDPF	5	345.00	10.72	2.03	0.00	0.00	0.00	0.00	13.21
BADAGADA	Badagada-A	UDPF	6	285.00	22.11	8.07	0.70	0.00	0.00	0.00	223.18
BADAGADA	Badagada-A	UDPF	7	340.00	8.24	5.00	1.18	0.00	0.00	0.00	30.81
BADAGADA	Badagada-A	UDPF	8	355.00	17.75	6.48	0.56	0.00	0.00	0.00	111.08
BADAGADA	Badagada-A	UDPF	9	430.00	1.86	0.00	0.00	0.00	0.00	0.00	66.27
BADAGADA	Badagada-A	UDPF	10	220.00	10.00	0.00	0.00	0.00	0.00	0.00	9.76
BADAGADA	Badagada-A	UDPF	11	250.00	10.80	0.80	0.00	0.00	0.00	0.00	12.40
BADAGADA	Badagada-A	UDPF	12	375.00	14.13	0.53	0.00	0.00	0.00	0.00	33.01
BADAGADA	Badagada-A	UDPF	13	270.00	10.37	0.00	0.00	0.00	0.00	0.00	10.34
BADAGADA	Badagada-A	UDPF	14	355.00	9.58	1.69	0.00	0.00	0.00	0.00	10.91
BADAGADA	Badagada-A	UDPF	15	655.00	9.62	3.51	0.31	0.00	0.00	0.00	17.15
BADAGADA	Badagada-A	UDPF	16	530.00	16.79	5.09	0.57	0.00	0.00	0.00	82.82
BADAGADA	Badagada-A	UDPF	17	315.00	6.67	1.27	0.63	0.00	0.00	0.00	19.19

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Badagada-A	UDPF	18	435.00	12.41	3.91	1.15	0.00	0.00	0.00	30.88
BADAGADA	Badagada-A	UDPF	19	345.00	10.72	2.03	0.00	0.00	0.00	0.00	13.21
BADAGADA	Badagada-A	UDPF	20	820.00	11.34	4.63	0.24	0.00	0.00	0.00	27.64
BADAGADA	Badagada-A	UDPF	21	535.00	9.16	3.55	0.00	0.00	0.00	0.00	16.96
BADAGADA	Badagada-A	UDPF	22	295.00	15.93	7.80	0.68	0.00	0.00	0.00	100.58
BADAGADA	Badagada-A	UDPF	23	275.00	12.36	5.09	0.00	0.00	0.00	0.00	35.90
BADAGADA	Badagada-A	UDPF	24	260.00	16.15	3.08	0.00	0.00	0.00	0.00	60.31
BADAGADA	Badagada-A	UDPF	25	365.00	14.79	7.95	1.10	0.00	0.00	0.00	90.46
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-B	UDPF	1	540.00	14.63	2.04	0.00	0.00	0.00	0.00	38.81
BADAGADA	Badagada-B	UDPF	2	290.00	18.62	5.86	1.72	0.00	0.00	0.00	124.54
BADAGADA	Badagada-B	UDPF	3	465.00	19.14	5.81	0.65	0.00	0.00	0.00	129.59
BADAGADA	Badagada-B	UDPF	4	190.00	14.74	4.74	0.00	0.00	0.00	0.00	52.82
BADAGADA	Badagada-B	UDPF	5	205.00	27.80	0.98	0.00	0.00	0.00	0.00	349.09
BADAGADA	Badagada-B	UDPF	6	555.00	9.37	0.00	0.00	0.00	0.00	0.00	9.40
BADAGADA	Badagada-B	UDPF	7	670.00	11.64	1.34	0.00	0.00	0.00	0.00	15.54
BADAGADA	Badagada-B	UDPF	8	460.00	10.22	5.00	0.43	0.00	0.00	0.00	27.76
BADAGADA	Badagada-B	UDPF	9	140.00	20.00	6.43	0.00	0.00	0.00	0.00	152.18
BADAGADA	Badagada-B	UDPF	10	190.00	27.37	0.00	0.00	0.00	0.00	0.00	332.22
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Goudagotha	DPF	1	237.50	33.26	4.63	0.00	0.00	0.00	0.00	592.97
BADAGADA	Goudagotha	DPF	2	240.00	22.50	7.08	2.08	0.00	0.00	0.00	226.41
BADAGADA	Goudagotha	DPF	3	265.00	33.58	10.19	1.13	0.00	0.00	0.00	682.54
BADAGADA	Goudagotha	DPF	4	430.00	6.51	2.09	0.00	0.00	0.00	0.00	19.94
BADAGADA	Goudagotha	DPF	5	512.50	11.12	0.39	0.00	0.00	0.00	0.00	13.74
BADAGADA	Goudagotha	DPF	6	442.50	20.11	6.10	0.68	0.00	0.00	0.00	152.51
BADAGADA	Goudagotha	DPF	7	380.00	14.21	7.63	1.05	0.00	0.00	0.00	80.08
BADAGADA	Goudagotha	DPF	8	280.00	15.00	2.86	0.00	0.00	0.00	0.00	45.19

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Goudagotha	DPF	9	410.00	8.29	3.41	0.00	0.00	0.00	0.00	17.45
BADAGADA	Goudagotha	DPF	10	370.00	13.24	5.14	0.00	0.00	0.00	0.00	42.25
BADAGADA	Goudagotha	DPF	11	332.50	14.14	6.92	0.60	0.00	0.00	0.00	68.95
BADAGADA	Goudagotha	DPF	12	370.00	25.14	10.27	0.54	0.00	0.00	0.00	344.83
BADAGADA	Goudagotha	DPF	13	330.00	6.36	1.21	0.61	0.00	0.00	0.00	20.83
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Merikote	DPF	1	599.24	6.17	1.17	0.00	0.00	0.00	0.00	20.84
BADAGADA	Merikote	DPF	2	435.50	14.47	5.28	0.46	0.00	0.00	0.00	55.13
BADAGADA	Merikote	DPF	3	555.50	5.04	3.06	0.72	0.00	0.00	0.00	35.14
BADAGADA	Merikote	DPF	4	498.00	1.61	0.00	0.00	0.00	0.00	0.00	70.16
BADAGADA	Merikote	DPF	5	463.00	4.75	0.00	0.00	0.00	0.00	0.00	31.02
BADAGADA	Merikote	DPF	6	560.50	4.82	0.36	0.00	0.00	0.00	0.00	31.83
BADAGADA	Merikote	DPF	7	408.00	12.99	0.49	0.00	0.00	0.00	0.00	23.54
BADAGADA	Merikote	DPF	8	435.50	6.43	0.00	0.00	0.00	0.00	0.00	18.23
BADAGADA	Merikote	DPF	9	503.00	6.76	1.19	0.00	0.00	0.00	0.00	17.42
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Raipada	RF	1	506.65	4.34	0.00	0.00	0.00	0.00	0.00	35.00
BADAGADA	Raipada	RF	2	554.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	3	489.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	4	527.15	8.92	0.00	0.00	0.00	0.00	0.00	9.64
BADAGADA	Raipada	RF	5	719.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Srirampalli	PRF	1	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Mahisikhata	UDPF	1	270.00	19.26	0.00	0.00	0.00	0.00	0.00	106.58
BADAGADA	Mahisikhata	UDPF	2	328.25	15.84	0.00	0.00	0.00	0.00	0.00	50.88

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

Total Block Area:

111680.09

TOTAL: 3089.19 594.54 63.53 2.27 0.65 0.05 3750.24

MEAN: 10.40 2.00 0.21 0.01 0.00 0.00 12.63

STDEV: 10.39 2.98 0.41 0.04 0.02 0.00 13.85

Std. Error (mean): 0.60 0.17 0.02 0.00 0.00 0.00 0.80

All Blocks (Tree): 1161620.88 223563.76 23888.74 854.48 244.27 18.92 1410191.05

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

KENDU

SORADA	Pondakhol	RF	1	526.00	3.27	2.17	0.84	0.11	0.04	0.04	15.49
SORADA	Pondakhol	RF	2	332.90	5.17	3.42	1.32	0.18	0.06	0.06	17.69
SORADA	Pondakhol	RF	3	441.33	4.21	2.63	1.50	0.73	0.05	0.05	17.70
SORADA	Pondakhol	RF	4	229.51	3.05	2.53	1.48	0.09	0.00	0.00	19.96
SORADA	Pondakhol	RF	5[a]	383.66	3.81	2.92	0.89	0.57	0.16	0.10	17.78
SORADA	Pondakhol	RF	6	313.42	1.85	2.17	1.40	0.26	0.00	0.00	26.23
SORADA	Pondakhol	RF	7	378.14	3.86	1.48	0.90	0.42	0.16	0.11	12.76
SORADA	Pondakhol	RF	8	344.37	0.46	0.76	0.29	0.00	0.00	0.00	32.36
SORADA	Pondakhol	RF	9	419.68	0.91	1.24	0.38	0.19	0.05	0.00	28.93
SORADA	Pondakhol	RF	10	240.38	8.24	4.49	1.41	0.08	0.00	0.00	31.83
SORADA	Pondakhol	RF	11	487.22	2.09	0.94	0.16	0.00	0.00	0.00	18.28
SORADA	Pondakhol	RF	12	334.67	0.48	0.78	0.36	0.06	0.00	0.00	32.38
SORADA	Pondakhol	RF	13	567.05	2.86	1.87	0.18	0.00	0.04	0.00	15.03
SORADA	Pondakhol	RF	14	618.00	10.45	7.06	1.59	0.16	0.10	0.00	75.94
SORADA	Pondakhol	RF	15	397.54	4.83	2.87	1.36	0.10	0.00	0.00	15.13
SORADA	Pondakhol	RF	16	596.30	4.63	3.59	0.84	0.13	0.07	0.00	17.52
SORADA	Pondakhol	RF	17	340.33	4.41	1.94	1.18	0.59	0.00	0.00	13.18
SORADA	Pondakhol	RF	18	569.36	1.37	0.63	0.18	0.00	0.00	0.00	23.75
SORADA	Pondakhol	RF	19	282.80	6.51	2.69	0.21	0.07	0.00	0.00	11.39
SORADA	Pondakhol	RF	20	465.08	3.40	2.32	0.13	0.00	0.00	0.00	13.61
SORADA	Pondakhol	RF	21	294.44	1.83	0.95	0.34	0.14	0.00	0.00	20.64
SORADA	Pondakhol	RF	22	321.75	1.86	0.44	0.25	0.00	0.00	0.00	20.03
SORADA	Pondakhol	RF	23	520.35	2.38	0.96	0.35	0.00	0.00	0.00	16.70
SORADA	Pondakhol	RF	24	175.17	5.14	2.28	0.34	0.00	0.00	0.00	9.38
SORADA	Pondakhol	RF	25	288.94	4.15	4.43	0.62	0.00	0.00	0.00	23.41
SORADA	Pondakhol	RF	26	149.20	8.71	2.95	0.27	0.00	0.00	0.00	21.65
SORADA	Pondakhol	RF	27[a]	449.26	2.23	2.23	0.31	0.09	0.00	0.00	20.12

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Pondakhhol	RF	28	419.35	5.20	4.48	0.67	0.19	0.05	0.00	22.45
SORADA	Pondakhhol	RF	29[a]	578.64	9.33	4.77	0.93	0.14	0.00	0.00	39.47
SORADA	Pondakhhol	RF	30	563.18	14.06	5.79	0.67	0.21	0.07	0.00	106.53
SORADA	Pondakhhol	RF	31	475.59	9.84	6.01	2.52	0.21	0.00	0.00	63.07
SORADA	Pondakhhol	RF	32	478.34	4.22	2.97	0.54	0.00	0.00	0.00	14.12
SORADA	Pondakhhol	RF	33	346.47	3.06	2.31	0.58	0.17	0.00	0.00	16.29
SORADA	Pondakhhol	RF	34	567.05	8.32	4.69	1.09	0.28	0.00	0.00	33.08
SORADA	Pondakhhol	RF	35	456.52	3.33	1.71	1.27	0.39	0.00	0.00	16.09
SORADA	Pondakhhol	RF	36[a]	286.58	3.63	3.56	1.47	0.21	0.14	0.00	22.77
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[a]	250.90	2.87	1.36	0.16	0.16	0.08	0.00	14.26
SORADA	Dhaugam	RF	2[a]	375.20	4.96	3.09	1.07	0.05	0.00	0.00	14.82
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pondakhhol	RF	5[b]	100.82	11.90	6.94	0.00	0.00	0.00	0.00	86.08
SORADA	Pondakhhol	RF	27[b]	245.62	6.92	5.29	0.81	0.00	0.00	0.00	31.10
SORADA	Pondakhhol	RF	29[b]	198.50	14.11	9.07	0.00	0.00	0.00	0.00	150.16
SORADA	Pondakhhol	RF	36[b]	301.19	6.97	2.32	0.66	0.33	0.00	0.00	12.71
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[b]	203.06	4.43	2.46	0.98	0.98	0.49	0.00	16.58
SORADA	Dhaugam	RF	2[b]	203.04	13.30	5.91	1.48	0.99	0.00	0.00	100.34
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pipalpanka	RF	1	441.76	4.98	2.49	1.58	0.68	0.45	0.00	16.89
SORADA	Pipalpanka	RF	2	553.13	1.45	0.72	0.36	0.36	0.18	0.00	24.50
SORADA	Pipalpanka	RF	3	606.03	2.97	1.16	0.33	0.17	0.00	0.00	13.68
SORADA	Pipalpanka	RF	4	558.20	2.51	1.07	0.36	0.00	0.00	0.00	16.03
SORADA	Pipalpanka	RF	5	600.22	1.33	1.00	0.17	0.17	0.00	0.00	24.41
SORADA	Pipalpanka	RF	6	637.06	2.67	1.41	0.47	0.00	0.00	0.00	15.72
					0.00	0.00	0.00	0.00	0.00	0.00	

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Mundapita	RF	1	627.36	1.12	0.00	0.00	0.00	0.00	0.00	25.26
SORADA	Mundapita	RF	2	553.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	3	610.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	4	476.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Hukuma	RF	1	692.91	2.74	0.00	0.00	0.00	0.00	0.00	13.46
SORADA	Hukuma	RF	2	531.01	1.88	0.19	0.00	0.00	0.00	0.00	19.90
SORADA	Hukuma	RF	3	522.48	3.45	0.00	0.00	0.00	0.00	0.00	10.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Bondhagocha	RF	1	613.64	4.40	2.93	1.79	0.81	0.98	0.00	22.90
SORADA	Bondhagocha	RF	2	693.69	3.89	2.59	1.59	0.72	0.86	0.00	21.20
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhepaguda	RF	1	334.78	2.69	1.79	0.90	0.00	0.00	0.00	17.46
SORADA	Dhepaguda	RF	2	493.00	4.87	1.42	0.81	0.41	0.00	0.00	9.56
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dabuki	RF	1	506.32	3.36	0.00	0.00	0.00	0.00	0.00	10.38
SORADA	Pankalagam	RF	1	265.59	3.01	2.26	0.38	0.38	0.00	0.00	16.39
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Budurung	RF	1	316.11	7.28	0.63	0.00	0.00	0.00	0.00	9.17
BUGUDA	Chamunda	RF	1	265.59	3.77	0.75	0.00	0.00	0.00	0.00	9.42
BUGUDA	Kadapada	RF	1	677.36	5.02	0.00	0.00	0.00	0.00	0.00	5.84
BUGUDA	Kumarsuni Vishnucha	RF	1	1081.95	3.14	0.00	0.00	0.00	0.00	0.00	11.37
BUGUDA	Binodia	RF	1	209.96	4.76	0.95	0.00	0.00	0.00	0.00	6.92
BUGUDA	Tangarai	RF	1	817.49	2.81	0.24	0.00	0.00	0.00	0.00	13.89
BUGUDA	Nagiri	RF	1	449.55	4.00	0.00	0.00	0.00	0.00	0.00	7.96
BUGUDA	Solundi	RF	1	362.75	3.58	3.86	0.55	0.00	0.00	0.00	21.17
BUGUDA	Jhollery	RF	1	914.98	2.95	0.22	0.00	0.00	0.00	0.00	13.17
BUGUDA	Sandasulia	RF	1	848.34	5.07	0.35	0.00	0.00	0.00	0.00	6.53

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BUGUDA	Panchabhuti-C	RF	1	198.38	6.05	0.00	0.00	0.00	0.00	0.00	5.80
BUGUDA	Kurchuli-B	RF	1	354.66	6.20	0.56	0.28	0.00	0.00	0.00	6.85
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kurchuli-A	RF	1	390.76	5.63	0.51	0.26	0.00	0.00	0.00	6.40
BUGUDA	Kurchuli-A	RF	2	646.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	3	533.09	5.25	0.75	0.00	0.00	0.00	0.00	6.31
BUGUDA	Kurchuli-A	RF	4	662.32	1.21	0.00	0.30	0.00	0.00	0.00	24.70
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kriamba-Jadupadi	RF	1	432.88	30.49	5.08	0.46	0.00	0.00	0.00	648.36
BUGUDA	Kriamba-Jadupadi	RF	2	639.53	10.95	0.47	0.16	0.16	0.00	0.00	35.52
BUGUDA	Kriamba-Jadupadi	RF	3	555.56	5.04	2.16	1.80	0.00	0.18	0.00	14.44
BUGUDA	Kriamba-Jadupadi	RF	4	959.71	1.15	0.73	0.00	0.00	0.00	0.00	25.65
BUGUDA	Kriamba-Jadupadi	RF	5	714.56	13.15	6.02	1.68	0.84	0.98	0.00	102.47
BUGUDA	Kriamba-Jadupadi	RF	6	756.83	1.72	0.00	0.00	0.00	0.00	0.00	20.28
BUGUDA	Kriamba-Jadupadi	RF	7	858.22	3.61	1.63	0.23	0.00	0.00	0.00	11.07
BUGUDA	Kriamba-Jadupadi	RF	8	498.73	14.24	2.41	0.20	0.20	0.00	0.00	85.04
BUGUDA	Kriamba-Jadupadi	RF	9	465.24	19.77	5.16	0.43	0.00	0.00	0.00	229.24
BUGUDA	Kriamba-Jadupadi	RF	10	733.69	4.91	0.00	0.00	0.00	0.00	0.00	5.97
BUGUDA	Kriamba-Jadupadi	RF	11	786.82	2.29	0.00	0.00	0.00	0.00	0.00	16.23
BUGUDA	Kriamba-Jadupadi	RF	12	443.23	5.19	0.00	0.00	0.00	0.00	0.00	5.69
BUGUDA	Kriamba-Jadupadi	RF	13	876.22	5.59	1.37	0.00	0.00	0.00	0.00	6.72
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Panchabhuti-A	RF	1	609.28	1.97	0.00	0.00	0.00	0.00	0.00	18.41
BUGUDA	Panchabhuti-A	RF	2	282.83	4.24	2.47	0.00	0.00	0.00	0.00	11.25
BUGUDA	Panchabhuti-A	RF	3	529.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Panchabhuti-A	RF	4	368.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-I	DPF	1	410.00	6.83	0.98	0.00	0.00	0.00	0.00	7.94

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Kansa	DPF	1	181.53	6.06	0.55	0.00	0.00	0.00	0.00	6.47
ASKA	Badadanda	DPF	1	50.00	24.00	2.00	0.00	0.00	0.00	0.00	348.26
ASKA	Chapudia	DPF	1	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Rasibadi	DPF	1	370.00	4.05	0.00	0.00	0.00	0.00	0.00	7.81
ASKA	Bhumi dimiripalli	PRF	1	15.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badua	PRF	1	80.00	12.50	0.00	0.00	0.00	0.00	0.00	53.79
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-II	DPF	1	355.00	2.25	0.56	0.00	0.00	0.00	0.00	17.11
ASKA	Malijhar-II	DPF	2	260.00	4.23	0.38	0.00	0.00	0.00	0.00	8.03
ASKA	Malijhar-II	DPF	3	300.00	2.33	1.67	0.00	0.00	0.00	0.00	17.61
ASKA	Malijhar-II	DPF	4	260.00	10.00	1.54	0.00	0.00	0.00	0.00	26.75
ASKA	Malijhar-II	DPF	5	345.00	7.25	0.87	0.00	0.00	0.00	0.00	9.12
ASKA	Malijhar-II	DPF	6	215.00	3.72	0.00	0.00	0.00	0.00	0.00	8.92
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Ambadaban	DPF	1	175.00	1.71	0.00	0.00	0.00	0.00	0.00	20.30
ASKA	Ambadaban	DPF	2	470.00	2.34	0.00	0.00	0.00	0.00	0.00	15.89
ASKA	Ambadaban	DPF	3	140.00	8.57	0.00	0.00	0.00	0.00	0.00	14.66
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Pakadi	DPF	1	250.00	7.20	0.40	0.00	0.00	0.00	0.00	8.98
ASKA	Pakadi	DPF	2	240.00	22.08	0.83	0.00	0.00	0.00	0.00	279.44
ASKA	Pakadi	DPF	3	140.00	19.29	0.00	0.00	0.00	0.00	0.00	194.10
ASKA	Pakadi	DPF	4	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	5	220.00	5.00	0.00	0.00	0.00	0.00	0.00	5.86
ASKA	Pakadi	DPF	6	270.00	4.81	0.00	0.00	0.00	0.00	0.00	6.10
ASKA	Pakadi	DPF	7	130.00	2.31	0.00	0.00	0.00	0.00	0.00	16.10
ASKA	Pakadi	DPF	8	130.00	4.62	0.00	0.00	0.00	0.00	0.00	6.44
ASKA	Pakadi	DPF	9	140.00	2.86	0.00	0.00	0.00	0.00	0.00	12.83
ASKA	Pakadi	DPF	10	110.00	10.91	0.00	0.00	0.00	0.00	0.00	34.23

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gadagada	DPF	1	190.00	8.42	0.00	0.00	0.00	0.00	0.00	13.77
ASKA	Gadagada	DPF	2	155.00	5.81	0.00	0.00	0.00	0.00	0.00	5.62
ASKA	Gadagada	DPF	3	130.00	10.00	0.00	0.00	0.00	0.00	0.00	25.32
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Chemidi	DPF	1	345.00	4.35	0.58	0.00	0.00	0.00	0.00	7.67
ASKA	Chemidi	DPF	2	115.00	13.04	2.61	0.00	0.00	0.00	0.00	66.12
ASKA	Chemidi	DPF	3	355.00	6.48	0.00	0.00	0.00	0.00	0.00	6.41
ASKA	Chemidi	DPF	4	180.00	10.00	1.11	0.00	0.00	0.00	0.00	26.18
ASKA	Chemidi	DPF	5	70.00	21.43	0.00	0.00	0.00	0.00	0.00	257.54
ASKA	Chemidi	DPF	6	230.00	7.83	0.87	0.00	0.00	0.00	0.00	11.41
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Machakhai	DPF	1	175.00	1.71	0.00	0.00	0.00	0.00	0.00	20.30
ASKA	Machakhai	DPF	2	165.00	9.70	0.00	0.00	0.00	0.00	0.00	22.71
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Hatimunda	DPF	1	175.00	9.71	0.00	0.00	0.00	0.00	0.00	22.86
ASKA	Hatimunda	DPF	2	180.00	10.56	0.00	0.00	0.00	0.00	0.00	30.56
ASKA	Hatimunda	DPF	3	90.00	11.11	1.11	0.00	0.00	0.00	0.00	37.29
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Suliaguda	DPF	1	265.00	4.15	0.00	0.00	0.00	0.00	0.00	7.52
ASKA	Suliaguda	DPF	2	195.00	6.67	0.00	0.00	0.00	0.00	0.00	6.79
ASKA	Suliaguda	DPF	3	235.00	5.53	0.00	0.00	0.00	0.00	0.00	5.56
ASKA	Suliaguda	DPF	4	180.00	11.11	0.56	0.00	0.00	0.00	0.00	37.09
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gouduni	PRF	1	142.33	12.65	0.00	0.00	0.00	0.00	0.00	55.85
ASKA	Gouduni	PRF	2	157.00	4.46	0.00	0.00	0.00	0.00	0.00	6.76
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Badagada-C	UDPF	1	340.00	2.06	0.00	0.00	0.00	0.00	0.00	17.78

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	2	305.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	3	165.00	8.48	1.82	0.61	0.00	0.00	0.00	17.08
ASKA	Badagada-C	UDPF	4	315.00	5.40	0.95	0.63	0.00	0.00	0.00	7.32
ASKA	Badagada-C	UDPF	5	310.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	6	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	7	700.00	2.43	0.43	0.00	0.00	0.00	0.00	16.03
ASKA	Badagada-C	UDPF	8	325.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	9	455.00	4.18	0.00	0.00	0.00	0.00	0.00	7.46
ASKA	Badagada-C	UDPF	10	485.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	11	440.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	12	460.00	2.83	0.43	0.00	0.00	0.00	0.00	13.70
ASKA	Badagada-C	UDPF	13	575.00	2.26	0.35	0.17	0.00	0.00	0.00	17.18
ASKA	Badagada-C	UDPF	14	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	15	320.00	3.13	0.63	0.31	0.00	0.00	0.00	12.39
ASKA	Badagada-C	UDPF	16	385.00	5.19	0.52	0.00	0.00	0.00	0.00	6.35
ASKA	Badagada-C	UDPF	17	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	18	395.00	3.80	0.76	0.25	0.00	0.00	0.00	9.47
ASKA	Badagada-C	UDPF	19	465.00	4.09	0.00	0.00	0.00	0.00	0.00	7.71
ASKA	Badagada-C	UDPF	20	470.00	4.26	0.00	0.00	0.00	0.00	0.00	7.24
ASKA	Badagada-C	UDPF	21	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	22	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	23	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	24	150.00	3.33	2.00	0.67	0.00	0.00	0.00	14.04
ASKA	Badagada-C	UDPF	25	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	26	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	27	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	28	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	29	210.00	20.48	0.95	0.00	0.00	0.00	0.00	228.95

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	30	240.00	20.00	1.67	0.00	0.00	0.00	0.00	215.91
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Kantakhhol	DPF	1	270.00	10.37	1.11	0.00	0.00	0.00	0.00	29.61
ASKA	Kantakhhol	DPF	2	120.00	10.00	0.00	0.00	0.00	0.00	0.00	25.32
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Pandaripada	DPF	1	185.00	6.49	0.00	0.00	0.00	0.00	0.00	6.42
POLOSARA	Pandaripada	DPF	2	415.00	5.78	0.00	0.00	0.00	0.00	0.00	5.61
POLOSARA	Pandaripada	DPF	3	360.00	3.33	0.00	0.00	0.00	0.00	0.00	10.49
POLOSARA	Pandaripada	DPF	4	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	5	360.00	5.00	0.00	0.00	0.00	0.00	0.00	5.86
POLOSARA	Pandaripada	DPF	6	800.00	2.88	0.00	0.00	0.00	0.00	0.00	12.73
POLOSARA	Pandaripada	DPF	7	440.00	0.91	0.68	0.91	0.00	0.00	0.00	29.57
POLOSARA	Pandaripada	DPF	8	260.00	4.23	2.69	0.00	0.00	0.00	0.00	12.12
POLOSARA	Pandaripada	DPF	9	345.00	6.96	2.61	1.74	0.00	0.29	0.00	17.66
POLOSARA	Pandaripada	DPF	10	305.00	22.95	0.98	0.33	0.33	0.00	0.00	309.86
POLOSARA	Pandaripada	DPF	11	510.00	25.88	4.31	0.39	0.00	0.00	0.00	433.27
POLOSARA	Pandaripada	DPF	12	495.00	18.99	8.69	2.42	1.21	1.41	0.00	268.32
POLOSARA	Pandaripada	DPF	13	170.00	7.65	0.00	0.00	0.00	0.00	0.00	9.93
POLOSARA	Pandaripada	DPF	14	375.00	2.13	0.53	0.00	0.00	0.00	0.00	17.93
POLOSARA	Pandaripada	DPF	15	410.00	20.49	5.37	0.49	0.00	0.00	0.00	252.07
POLOSARA	Pandaripada	DPF	16	565.00	3.19	0.00	0.00	0.00	0.00	0.00	11.17
POLOSARA	Pandaripada	DPF	17	270.00	4.81	5.19	0.74	0.00	0.00	0.00	28.59
POLOSARA	Pandaripada	DPF	18	365.00	8.77	2.19	0.00	0.00	0.00	0.00	18.90
POLOSARA	Pandaripada	DPF	19	330.00	5.15	1.21	0.00	0.00	0.00	0.00	6.68
POLOSARA	Pandaripada	DPF	20	260.00	11.15	3.46	0.00	0.38	0.00	0.00	46.20
POLOSARA	Pandaripada	DPF	21	110.00	38.18	2.73	0.91	0.00	0.00	0.00	1076.83
POLOSARA	Pandaripada	DPF	22	470.00	4.68	0.43	0.21	0.00	0.00	0.00	7.12
POLOSARA	Pandaripada	DPF	23	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Pandaripada	DPF	24	270.00	8.15	0.74	0.37	0.00	0.00	0.00	13.33
POLOSARA	Pandaripada	DPF	25	280.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	26	270.00	2.96	0.00	0.74	0.00	0.00	0.00	13.55
POLOSARA	Pandaripada	DPF	27	325.00	8.62	1.23	0.00	0.00	0.00	0.00	15.91
POLOSARA	Pandaripada	DPF	28	500.00	2.40	1.40	0.00	0.00	0.00	0.00	16.72
POLOSARA	Pandaripada	DPF	29	375.00	3.20	1.87	0.00	0.00	0.00	0.00	13.23
POLOSARA	Pandaripada	DPF	30	225.00	5.33	0.00	0.00	0.00	0.00	0.00	5.60
POLOSARA	Pandaripada	DPF	31	200.00	6.00	3.50	0.00	0.00	0.00	0.00	14.52
POLOSARA	Pandaripada	DPF	32	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	33	355.00	12.11	0.85	0.00	0.00	0.00	0.00	49.25
POLOSARA	Pandaripada	DPF	34	335.00	8.06	0.60	0.00	0.00	0.00	0.00	12.49
POLOSARA	Pandaripada	DPF	35	375.00	6.13	0.53	0.00	0.00	0.00	0.00	6.56
POLOSARA	Pandaripada	DPF	36	475.00	2.11	0.42	0.00	0.00	0.00	0.00	18.16
POLOSARA	Pandaripada	DPF	37	385.00	8.83	0.00	0.00	0.00	0.00	0.00	16.29
POLOSARA	Pandaripada	DPF	38	125.00	14.40	0.00	0.00	0.00	0.00	0.00	83.80
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Bhalukhai	DPF	1	13.20	0.00	30.30	0.00	0.00	0.00	0.00	879.83
POLOSARA	Sodaka-A	DPF	1	400.00	5.75	0.50	0.00	0.00	0.00	0.00	6.27
POLOSARA	Sodaka-B	DPF	1	430.00	2.33	0.47	0.00	0.00	0.00	0.00	16.67
POLOSARA	Kakudia	DPF	1	85.02	39.99	0.00	0.00	0.00	0.00	0.00	1191.39
POLOSARA	Jokalundi	PRF	1	390.00	8.46	0.00	0.00	0.26	0.00	0.26	14.70
POLOSARA	Paikajamuna	DPF	1	335.48	4.47	2.98	0.00	0.00	0.89	0.30	15.59
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Purunapani Daburia	PRF	1	320.00	14.38	0.00	0.00	0.31	0.31	0.31	84.90
POLOSARA	Purunapani Daburia	PRF	2	275.00	0.00	0.00	0.00	0.73	0.00	0.00	1.75
POLOSARA	Purunapani Daburia	PRF	3	345.00	4.93	2.32	0.58	0.00	0.00	0.00	10.24
POLOSARA	Purunapani Daburia	PRF	4	470.00	5.74	2.34	0.00	0.00	0.00	0.00	9.09
POLOSARA	Purunapani Daburia	PRF	5	325.00	5.23	2.15	1.54	1.54	0.00	0.00	17.76

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Purunapani Daburia	PRF	6	380.00	3.68	2.89	1.84	0.79	0.00	0.26	22.51
POLOSARA	Purunapani Daburia	PRF	7	240.00	0.00	2.08	4.17	1.25	0.42	0.00	29.91
POLOSARA	Purunapani Daburia	PRF	8	170.00	12.94	10.00	1.76	0.00	0.00	0.00	153.33
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Khaladimal	PRF	1	400.00	0.75	0.25	0.75	1.00	0.00	0.00	33.48
POLOSARA	Khaladimal	PRF	2	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Khaladimal	PRF	3	125.00	26.40	0.00	0.00	0.80	0.00	0.80	442.88
POLOSARA	Khaladimal	PRF	4	135.00	11.11	7.41	0.00	0.00	2.22	0.74	92.64
POLOSARA	Khaladimal	PRF	5	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Khaladimal	PRF	6	150.00	15.33	11.33	8.00	6.00	0.00	0.00	336.81
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-A	UDPF	1	205.00	10.73	5.37	0.49	0.00	0.00	0.00	55.87
BADAGADA	Badagada-A	UDPF	2	100.00	28.00	22.00	0.00	0.00	0.00	0.00	965.74
BADAGADA	Badagada-A	UDPF	3	395.00	12.15	8.10	2.03	0.00	0.00	0.00	111.73
BADAGADA	Badagada-A	UDPF	4	380.00	1.84	0.26	0.00	0.00	0.00	0.00	20.14
BADAGADA	Badagada-A	UDPF	5	345.00	5.22	0.58	0.00	0.00	0.00	0.00	6.33
BADAGADA	Badagada-A	UDPF	6	285.00	13.33	6.32	2.46	0.00	0.00	0.00	107.79
BADAGADA	Badagada-A	UDPF	7	340.00	11.76	5.59	2.65	0.88	0.29	0.00	82.25
BADAGADA	Badagada-A	UDPF	8	355.00	10.70	5.07	1.97	0.00	0.00	0.00	58.47
BADAGADA	Badagada-A	UDPF	9	430.00	4.19	0.00	0.00	0.00	0.00	0.00	7.43
BADAGADA	Badagada-A	UDPF	10	220.00	8.64	0.00	0.00	0.00	0.00	0.00	15.05
BADAGADA	Badagada-A	UDPF	11	250.00	10.80	0.40	0.00	0.00	0.00	0.00	33.78
BADAGADA	Badagada-A	UDPF	12	375.00	8.53	0.00	0.00	0.00	0.00	0.00	14.43
BADAGADA	Badagada-A	UDPF	13	270.00	8.15	0.00	0.00	0.00	0.00	0.00	12.28
BADAGADA	Badagada-A	UDPF	14	355.00	5.92	0.28	0.00	0.00	0.00	0.00	6.47
BADAGADA	Badagada-A	UDPF	15	655.00	5.80	2.75	1.07	0.00	0.00	0.00	12.96
BADAGADA	Badagada-A	UDPF	16	530.00	8.11	3.02	0.75	0.00	0.00	0.00	19.68
BADAGADA	Badagada-A	UDPF	17	315.00	2.22	0.32	0.00	0.00	0.00	0.00	17.42

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Badagada-A	UDPF	18	435.00	2.76	0.23	0.00	0.00	0.00	0.00	14.20
BADAGADA	Badagada-A	UDPF	19	345.00	5.22	0.58	0.00	0.00	0.00	0.00	6.33
BADAGADA	Badagada-A	UDPF	20	820.00	5.85	3.90	0.98	0.00	0.00	0.00	18.85
BADAGADA	Badagada-A	UDPF	21	535.00	4.11	2.06	0.19	0.00	0.00	0.00	10.31
BADAGADA	Badagada-A	UDPF	22	295.00	9.49	7.46	0.00	0.00	0.00	0.00	68.02
BADAGADA	Badagada-A	UDPF	23	275.00	10.18	5.82	0.36	0.00	0.00	0.00	54.68
BADAGADA	Badagada-A	UDPF	24	260.00	5.38	2.31	0.00	0.00	0.00	0.00	8.98
BADAGADA	Badagada-A	UDPF	25	365.00	7.67	3.29	1.10	0.00	0.00	0.00	20.03
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-B	UDPF	1	540.00	12.59	0.00	0.00	0.00	0.00	0.00	55.09
BADAGADA	Badagada-B	UDPF	2	290.00	4.14	0.34	0.00	0.00	0.00	0.00	8.31
BADAGADA	Badagada-B	UDPF	3	465.00	9.25	3.44	0.86	0.00	0.00	0.00	29.25
BADAGADA	Badagada-B	UDPF	4	190.00	25.26	0.00	0.00	0.00	0.00	0.00	393.98
BADAGADA	Badagada-B	UDPF	5	205.00	5.85	0.49	0.00	0.00	0.00	0.00	6.32
BADAGADA	Badagada-B	UDPF	6	555.00	8.47	0.00	0.00	0.00	0.00	0.00	14.05
BADAGADA	Badagada-B	UDPF	7	670.00	18.36	0.75	0.00	0.00	0.00	0.00	170.15
BADAGADA	Badagada-B	UDPF	8	460.00	6.09	4.78	0.00	0.00	0.00	0.00	23.55
BADAGADA	Badagada-B	UDPF	9	140.00	34.29	0.00	0.00	0.00	0.00	0.00	831.03
BADAGADA	Badagada-B	UDPF	10	190.00	24.74	0.00	0.00	0.00	0.00	0.00	373.51
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Goudagotha	DPF	1	237.50	28.63	0.00	0.00	0.00	0.00	0.00	538.10
BADAGADA	Goudagotha	DPF	2	240.00	5.00	0.42	0.00	0.00	0.00	0.00	6.57
BADAGADA	Goudagotha	DPF	3	265.00	16.23	6.04	1.51	0.00	0.00	0.00	153.11
BADAGADA	Goudagotha	DPF	4	430.00	11.16	0.00	0.00	0.00	0.00	0.00	37.01
BADAGADA	Goudagotha	DPF	5	512.50	2.34	0.20	0.00	0.00	0.00	0.00	16.74
BADAGADA	Goudagotha	DPF	6	442.50	9.72	3.62	0.90	0.00	0.00	0.00	34.08
BADAGADA	Goudagotha	DPF	7	380.00	7.37	3.16	1.05	0.00	0.00	0.00	18.02
BADAGADA	Goudagotha	DPF	8	280.00	5.00	2.14	0.00	0.00	0.00	0.00	8.74

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Goudagotha	DPF	9	410.00	6.83	3.90	0.24	0.00	0.00	0.00	18.55
BADAGADA	Goudagotha	DPF	10	370.00	5.95	2.97	0.27	0.00	0.00	0.00	11.94
BADAGADA	Goudagotha	DPF	11	332.50	8.42	6.62	0.00	0.00	0.00	0.00	50.00
BADAGADA	Goudagotha	DPF	12	370.00	12.97	8.65	2.16	0.00	0.00	0.00	132.44
BADAGADA	Goudagotha	DPF	13	330.00	2.12	0.30	0.00	0.00	0.00	0.00	18.12
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Merikote	DPF	1	599.24	3.00	0.33	0.00	0.00	0.00	0.00	12.81
BADAGADA	Merikote	DPF	2	435.50	8.73	4.13	1.61	0.00	0.00	0.00	32.82
BADAGADA	Merikote	DPF	3	555.50	7.20	3.42	1.62	0.54	0.18	0.00	22.60
BADAGADA	Merikote	DPF	4	498.00	3.61	0.00	0.00	0.00	0.00	0.00	9.32
BADAGADA	Merikote	DPF	5	463.00	4.10	0.00	0.00	0.00	0.00	0.00	7.66
BADAGADA	Merikote	DPF	6	560.50	4.82	0.18	0.00	0.00	0.00	0.00	6.97
BADAGADA	Merikote	DPF	7	408.00	7.84	0.00	0.00	0.00	0.00	0.00	10.79
BADAGADA	Merikote	DPF	8	435.50	5.05	0.00	0.00	0.00	0.00	0.00	5.81
BADAGADA	Merikote	DPF	9	503.00	4.17	0.20	0.00	0.00	0.00	0.00	8.32
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Raipada	RF	1	506.65	3.75	0.00	0.00	0.00	0.00	0.00	8.81
BADAGADA	Raipada	RF	2	554.57	1.44	0.00	0.00	0.00	0.00	0.00	22.46
BADAGADA	Raipada	RF	3	489.60	3.88	0.00	0.00	0.00	0.00	0.00	8.36
BADAGADA	Raipada	RF	4	527.15	3.79	0.76	0.00	0.00	0.00	0.00	9.32
BADAGADA	Raipada	RF	5	719.30	1.25	0.00	0.14	0.14	0.00	0.00	24.23
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Srirampalli	PRF	1	410.00	6.10	0.49	0.00	0.00	0.00	0.00	6.53
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Mahisikhata	UDPF	1	270.00	6.67	0.74	0.00	0.00	0.00	0.00	7.45
BADAGADA	Mahisikhata	UDPF	2	328.25	5.48	0.61	0.00	0.00	0.00	0.00	6.21

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

Total Block Area:

111680.09

TOTAL:

1946.72

490.68

104.01

29.34

11.20

3.02

2584.97

MEAN:

6.55

1.65

0.35

0.10

0.04

0.01

8.70

STDEV:

6.13

2.74

0.69

0.40

0.19

0.07

10.22

Std. Error (mean):

0.36

0.16

0.04

0.02

0.01

0.00

0.59

All Blocks (Tree):

732018.31

184507.59

39111.06

11034.38

4209.88

1137.24

972018.44

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

BAHADA

SORADA	Pondakhol	RF	1	526.00	0.23	0.08	0.00	0.00	0.00	0.00	0.38
SORADA	Pondakhol	RF	2	332.90	0.36	0.12	0.00	0.00	0.00	0.00	0.43
SORADA	Pondakhol	RF	3	441.33	0.18	0.27	0.27	0.09	0.00	0.00	1.49
SORADA	Pondakhol	RF	4	229.51	0.78	0.87	0.70	0.00	0.17	0.09	4.74
SORADA	Pondakhol	RF	5[a]	383.66	0.00	0.10	0.05	0.00	0.00	0.00	0.07
SORADA	Pondakhol	RF	6	313.42	0.06	0.19	0.06	0.00	0.00	0.00	0.77
SORADA	Pondakhol	RF	7	378.14	0.00	0.11	0.05	0.00	0.00	0.00	0.07
SORADA	Pondakhol	RF	8	344.37	0.06	0.00	0.12	0.00	0.00	0.00	0.73
SORADA	Pondakhol	RF	9	419.68	0.14	0.14	0.14	0.05	0.00	0.00	0.86
SORADA	Pondakhol	RF	10	240.38	3.41	0.58	0.00	0.00	0.00	0.00	10.51
SORADA	Pondakhol	RF	11	487.22	0.41	0.04	0.00	0.00	0.00	0.00	0.29
SORADA	Pondakhol	RF	12	334.67	0.06	0.00	0.12	0.00	0.00	0.00	0.74
SORADA	Pondakhol	RF	13	567.05	0.88	0.49	0.07	0.00	0.00	0.00	1.57
SORADA	Pondakhol	RF	14	618.00	8.22	3.33	0.71	0.19	0.00	0.00	79.79
SORADA	Pondakhol	RF	15	397.54	2.77	0.50	0.10	0.00	0.00	0.00	7.01
SORADA	Pondakhol	RF	16	596.30	5.37	3.66	1.07	0.27	0.03	0.00	47.67
SORADA	Pondakhol	RF	17	340.33	0.18	0.12	0.00	0.00	0.00	0.00	0.48
SORADA	Pondakhol	RF	18	569.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	19	282.80	1.49	0.57	0.21	0.14	0.00	0.00	3.27
SORADA	Pondakhol	RF	20	465.08	1.25	1.16	0.00	0.00	0.00	0.00	4.08
SORADA	Pondakhol	RF	21	294.44	0.20	0.07	0.07	0.00	0.00	0.00	0.48
SORADA	Pondakhol	RF	22	321.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	23	520.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	24	175.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	25	288.94	0.97	0.90	0.00	0.00	0.00	0.00	2.74
SORADA	Pondakhol	RF	26	149.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	27[a]	449.26	0.76	0.49	0.27	0.00	0.00	0.00	1.90

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Pondakhhol	RF	28	419.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	29[a]	578.64	4.98	1.80	0.17	0.00	0.00	0.00	27.47
SORADA	Pondakhhol	RF	30	563.18	2.02	0.00	0.00	0.00	0.00	0.00	3.03
SORADA	Pondakhhol	RF	31	475.59	1.01	0.00	0.00	0.00	0.00	0.00	0.77
SORADA	Pondakhhol	RF	32	478.34	0.63	0.71	0.08	0.13	0.00	0.00	2.24
SORADA	Pondakhhol	RF	33	346.47	1.73	0.35	0.17	0.12	0.00	0.00	3.18
SORADA	Pondakhhol	RF	34	567.05	0.49	0.60	0.04	0.04	0.00	0.00	1.59
SORADA	Pondakhhol	RF	35	456.52	0.09	0.09	0.13	0.04	0.00	0.00	0.76
SORADA	Pondakhhol	RF	36[a]	286.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[a]	250.90	1.43	0.48	0.00	0.00	0.00	0.00	2.26
SORADA	Dhaugam	RF	2[a]	375.20	2.51	1.97	0.00	0.05	0.00	0.00	11.64
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pondakhhol	RF	5[b]	100.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	27[b]	245.62	2.44	1.22	0.00	0.00	0.00	0.00	7.76
SORADA	Pondakhhol	RF	29[b]	198.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	36[b]	301.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[b]	203.06	2.95	2.95	0.00	0.00	0.00	0.00	20.02
SORADA	Dhaugam	RF	2[b]	203.04	5.91	0.00	0.00	0.00	0.00	0.00	30.71
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pipalpanka	RF	1	441.76	1.58	0.91	0.45	0.00	0.00	0.00	4.88
SORADA	Pipalpanka	RF	2	553.13	0.72	0.18	0.00	0.36	0.00	0.00	1.43
SORADA	Pipalpanka	RF	3	606.03	1.49	0.66	0.33	0.00	0.00	0.00	3.56
SORADA	Pipalpanka	RF	4	558.20	0.36	0.00	0.18	0.00	0.00	0.00	0.75
SORADA	Pipalpanka	RF	5	600.22	0.17	0.00	0.00	0.00	0.00	0.00	0.46
SORADA	Pipalpanka	RF	6	637.06	1.10	0.63	0.00	0.00	0.00	0.00	2.07
					0.00	0.00	0.00	0.00	0.00	0.00	

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Mundapita	RF	1	627.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	2	553.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	3	610.52	2.46	0.00	0.00	0.00	0.00	0.00	4.62
SORADA	Mundapita	RF	4	476.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Hukuma	RF	1	692.91	0.58	0.00	0.00	0.00	0.00	0.00	0.43
SORADA	Hukuma	RF	2	531.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Hukuma	RF	3	522.48	0.77	0.00	0.00	0.00	0.00	0.00	0.53
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Bondhagocha	RF	1	613.64	0.16	0.00	0.00	0.00	0.00	0.00	0.46
SORADA	Bondhagocha	RF	2	693.69	0.14	0.00	0.00	0.00	0.00	0.00	0.47
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhepaguda	RF	1	334.78	1.19	0.60	0.60	0.30	0.00	0.00	4.24
SORADA	Dhepaguda	RF	2	493.00	0.41	0.00	0.00	0.00	0.00	0.00	0.40
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dabuki	RF	1	506.32	0.99	0.00	0.00	0.00	0.00	0.00	0.74
SORADA	Pankalagam	RF	1	265.59	0.38	0.00	0.00	0.00	0.00	0.00	0.41
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Budurung	RF	1	316.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Chamunda	RF	1	265.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kadapada	RF	1	677.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kumarsuni Vishnucha	RF	1	1081.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Binodia	RF	1	209.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Tangarai	RF	1	817.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Nagiri	RF	1	449.55	1.78	0.00	0.00	0.00	0.00	0.00	2.29
BUGUDA	Solundi	RF	1	362.75	3.31	2.21	0.83	0.00	0.00	0.00	19.17
BUGUDA	Jhollery	RF	1	914.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Sandasulia	RF	1	848.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BUGUDA	Panchabhuti-C	RF	1	198.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-B	RF	1	354.66	0.56	0.00	0.00	0.00	0.00	0.00	0.43
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kurchuli-A	RF	1	390.76	0.51	0.00	0.00	0.00	0.00	0.00	0.42
BUGUDA	Kurchuli-A	RF	2	646.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	3	533.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	4	662.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kriamba-Jadupadi	RF	1	432.88	1.62	0.00	0.00	0.00	0.00	0.00	1.87
BUGUDA	Kriamba-Jadupadi	RF	2	639.53	5.00	1.09	0.00	0.00	0.00	0.00	24.27
BUGUDA	Kriamba-Jadupadi	RF	3	555.56	0.54	0.00	0.00	0.00	0.00	0.00	0.42
BUGUDA	Kriamba-Jadupadi	RF	4	959.71	1.25	0.21	0.00	0.00	0.00	0.00	1.31
BUGUDA	Kriamba-Jadupadi	RF	5	714.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	6	756.83	0.53	0.00	0.00	0.00	0.00	0.00	0.42
BUGUDA	Kriamba-Jadupadi	RF	7	858.22	2.33	0.93	0.35	0.00	0.00	0.00	7.01
BUGUDA	Kriamba-Jadupadi	RF	8	498.73	4.81	0.80	0.00	0.00	0.00	0.00	21.53
BUGUDA	Kriamba-Jadupadi	RF	9	465.24	1.50	0.21	0.00	0.00	0.00	0.00	1.82
BUGUDA	Kriamba-Jadupadi	RF	10	733.69	0.14	0.00	0.00	0.00	0.00	0.00	0.48
BUGUDA	Kriamba-Jadupadi	RF	11	786.82	1.27	0.00	0.00	0.00	0.00	0.00	1.16
BUGUDA	Kriamba-Jadupadi	RF	12	443.23	0.68	0.00	0.00	0.00	0.00	0.00	0.48
BUGUDA	Kriamba-Jadupadi	RF	13	876.22	2.17	0.11	0.00	0.00	0.00	0.00	3.53
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Panchabhuti-A	RF	1	609.28	1.31	0.00	0.00	0.00	0.00	0.00	1.23
BUGUDA	Panchabhuti-A	RF	2	282.83	2.47	0.71	0.00	0.00	0.00	0.00	6.11
BUGUDA	Panchabhuti-A	RF	3	529.89	0.19	0.00	0.00	0.00	0.00	0.00	0.45
BUGUDA	Panchabhuti-A	RF	4	368.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-I	DPF	1	410.00	1.71	0.00	0.00	0.00	0.00	0.00	2.10

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Kansa	DPF	1	181.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badadanda	DPF	1	50.00	6.00	0.00	0.00	0.00	0.00	0.00	31.71
ASKA	Chapudia	DPF	1	260.00	1.15	0.00	0.00	0.00	0.00	0.00	0.97
ASKA	Rasibadi	DPF	1	370.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Bhumi dimiripalli	PRF	1	15.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badua	PRF	1	80.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-II	DPF	1	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	2	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	3	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	4	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	5	345.00	2.03	0.58	0.00	0.00	0.00	0.00	4.10
ASKA	Malijhar-II	DPF	6	215.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Ambadaban	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	2	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	3	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Pakadi	DPF	1	250.00	1.20	0.00	0.00	0.00	0.00	0.00	1.04
ASKA	Pakadi	DPF	2	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	3	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	4	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	5	220.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	6	270.00	0.74	0.00	0.00	0.00	0.00	0.00	0.52
ASKA	Pakadi	DPF	7	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	8	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	9	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	10	110.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gadagada	DPF	1	190.00	0.53	0.00	0.00	0.00	0.00	0.00	0.42
ASKA	Gadagada	DPF	2	155.00	1.29	0.00	0.00	0.00	0.00	0.00	1.19
ASKA	Gadagada	DPF	3	130.00	2.31	0.00	0.00	0.00	0.00	0.00	4.03
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Chemidi	DPF	1	345.00	1.74	0.00	0.00	0.00	0.00	0.00	2.19
ASKA	Chemidi	DPF	2	115.00	6.09	0.87	0.00	0.00	0.00	0.00	34.61
ASKA	Chemidi	DPF	3	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	4	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	5	70.00	12.86	0.00	0.00	0.00	0.00	0.00	155.47
ASKA	Chemidi	DPF	6	230.00	1.30	0.00	0.00	0.00	0.00	0.00	1.21
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Machakhai	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Machakhai	DPF	2	165.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Hatimunda	DPF	1	175.00	2.86	0.00	0.00	0.00	0.00	0.00	6.42
ASKA	Hatimunda	DPF	2	180.00	2.22	0.00	0.00	0.00	0.00	0.00	3.71
ASKA	Hatimunda	DPF	3	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Suliaguda	DPF	1	265.00	3.02	0.00	0.00	0.00	0.00	0.00	7.24
ASKA	Suliaguda	DPF	2	195.00	1.03	0.00	0.00	0.00	0.00	0.00	0.79
ASKA	Suliaguda	DPF	3	235.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	4	180.00	1.67	0.00	0.00	0.00	0.00	0.00	2.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gouduni	PRF	1	142.33	2.81	0.00	0.00	0.00	0.00	0.00	6.19
ASKA	Gouduni	PRF	2	157.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Badagada-C	UDPF	1	340.00	2.65	0.00	0.00	0.00	0.00	0.00	5.43

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	2	305.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	3	165.00	7.27	0.61	0.00	0.00	0.00	0.00	48.70
ASKA	Badagada-C	UDPF	4	315.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	5	310.00	3.55	0.32	0.00	0.00	0.00	0.00	10.71
ASKA	Badagada-C	UDPF	6	275.00	2.55	1.09	0.00	0.73	0.00	0.00	9.58
ASKA	Badagada-C	UDPF	7	700.00	1.29	0.00	0.00	0.00	0.00	0.00	1.18
ASKA	Badagada-C	UDPF	8	325.00	2.77	0.00	0.00	0.00	0.00	0.00	6.00
ASKA	Badagada-C	UDPF	9	455.00	2.42	0.00	0.00	0.00	0.00	0.00	4.46
ASKA	Badagada-C	UDPF	10	485.00	3.92	0.21	0.00	0.00	0.00	0.00	12.93
ASKA	Badagada-C	UDPF	11	440.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	12	460.00	2.83	0.22	0.00	0.00	0.00	0.00	6.47
ASKA	Badagada-C	UDPF	13	575.00	1.74	0.35	0.17	0.00	0.00	0.00	3.00
ASKA	Badagada-C	UDPF	14	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	15	320.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	16	385.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	17	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	18	395.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	19	465.00	2.80	0.22	0.00	0.00	0.00	0.00	6.32
ASKA	Badagada-C	UDPF	20	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	21	390.00	3.85	0.00	0.00	0.00	0.00	0.00	12.25
ASKA	Badagada-C	UDPF	22	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	23	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	24	150.00	2.00	1.33	0.67	0.00	0.00	0.00	8.31
ASKA	Badagada-C	UDPF	25	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	26	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	27	355.00	6.48	0.28	0.00	0.00	0.00	0.00	37.64
ASKA	Badagada-C	UDPF	28	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	29	210.00	2.86	0.00	0.00	0.00	0.00	0.00	6.42

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	30	240.00	3.33	0.00	0.00	0.00	0.00	0.00	8.98
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Kantakhhol	DPF	1	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Kantakhhol	DPF	2	120.00	2.50	0.00	0.00	0.00	0.00	0.00	4.79
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Pandaripada	DPF	1	185.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	2	415.00	0.24	0.00	0.00	0.00	0.00	0.00	0.43
POLOSARA	Pandaripada	DPF	3	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	4	375.00	1.60	0.00	0.00	0.00	0.00	0.00	1.83
POLOSARA	Pandaripada	DPF	5	360.00	1.11	0.00	0.00	0.00	0.00	0.00	0.90
POLOSARA	Pandaripada	DPF	6	800.00	0.38	0.00	0.00	0.00	0.00	0.00	0.41
POLOSARA	Pandaripada	DPF	7	440.00	0.23	0.00	0.00	0.00	0.00	0.00	0.44
POLOSARA	Pandaripada	DPF	8	260.00	4.62	0.77	0.00	0.00	0.00	0.00	19.74
POLOSARA	Pandaripada	DPF	9	345.00	0.58	0.00	0.00	0.00	0.00	0.00	0.44
POLOSARA	Pandaripada	DPF	10	305.00	10.49	2.30	0.00	0.00	0.00	0.00	110.79
POLOSARA	Pandaripada	DPF	11	510.00	1.37	0.00	0.00	0.00	0.00	0.00	1.34
POLOSARA	Pandaripada	DPF	12	495.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	13	170.00	2.35	0.00	0.00	0.00	0.00	0.00	4.20
POLOSARA	Pandaripada	DPF	14	375.00	1.07	0.27	0.00	0.00	0.00	0.00	1.15
POLOSARA	Pandaripada	DPF	15	410.00	0.73	0.00	0.00	0.00	0.00	0.00	0.51
POLOSARA	Pandaripada	DPF	16	565.00	1.42	0.00	0.00	0.00	0.00	0.00	1.43
POLOSARA	Pandaripada	DPF	17	270.00	4.44	2.96	1.11	0.00	0.00	0.00	33.25
POLOSARA	Pandaripada	DPF	18	365.00	0.55	0.00	0.00	0.00	0.00	0.00	0.43
POLOSARA	Pandaripada	DPF	19	330.00	5.15	0.30	0.00	0.00	0.00	0.00	23.32
POLOSARA	Pandaripada	DPF	20	260.00	4.62	0.00	0.00	0.00	0.00	0.00	18.13
POLOSARA	Pandaripada	DPF	21	110.00	10.91	3.64	0.00	0.00	0.00	0.00	129.40
POLOSARA	Pandaripada	DPF	22	470.00	0.43	0.00	0.00	0.00	0.00	0.00	0.41
POLOSARA	Pandaripada	DPF	23	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Pandaripada	DPF	24	270.00	0.74	0.00	0.00	0.00	0.00	0.00	0.52
POLOSARA	Pandaripada	DPF	25	280.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	26	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	27	325.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	28	500.00	1.40	0.40	0.00	0.00	0.00	0.00	2.00
POLOSARA	Pandaripada	DPF	29	375.00	1.87	0.53	0.00	0.00	0.00	0.00	3.47
POLOSARA	Pandaripada	DPF	30	225.00	3.56	0.00	0.00	0.00	0.00	0.00	10.33
POLOSARA	Pandaripada	DPF	31	200.00	3.50	1.00	0.00	0.00	0.00	0.00	12.35
POLOSARA	Pandaripada	DPF	32	260.00	0.38	0.00	0.00	0.00	0.00	0.00	0.41
POLOSARA	Pandaripada	DPF	33	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	34	335.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	35	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	36	475.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	37	385.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	38	125.00	6.40	0.00	0.00	0.00	0.00	0.00	36.35
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Bhalukhai	DPF	1	13.20	22.73	0.00	0.00	7.58	0.00	0.00	570.67
POLOSARA	Sodaka-A	DPF	1	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Sodaka-B	DPF	1	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Kakudia	DPF	1	85.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Jokalundi	PRF	1	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Paikajamuna	DPF	1	335.48	0.00	0.60	0.00	0.00	0.00	0.00	1.10
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Purunapani Daburia	PRF	1	320.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Purunapani Daburia	PRF	2	275.00	1.45	0.00	0.00	0.00	0.00	0.00	1.51
POLOSARA	Purunapani Daburia	PRF	3	345.00	0.58	0.58	0.00	0.00	0.00	0.00	1.49
POLOSARA	Purunapani Daburia	PRF	4	470.00	0.43	0.21	0.00	0.21	0.00	0.00	1.02
POLOSARA	Purunapani Daburia	PRF	5	325.00	0.00	0.00	0.31	0.00	0.00	0.00	0.66

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Purunapani Daburia	PRF	6	380.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Purunapani Daburia	PRF	7	240.00	0.83	0.00	0.00	0.00	0.00	0.00	0.59
POLOSARA	Purunapani Daburia	PRF	8	170.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Khaladimal	PRF	1	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Khaladimal	PRF	2	275.00	0.00	0.00	0.36	0.36	0.00	0.00	1.60
POLOSARA	Khaladimal	PRF	3	125.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Khaladimal	PRF	4	135.00	0.00	1.48	0.00	0.00	0.00	0.00	4.30
POLOSARA	Khaladimal	PRF	5	430.00	1.40	0.00	0.00	0.00	0.00	0.00	1.39
POLOSARA	Khaladimal	PRF	6	150.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-A	UDPF	1	205.00	5.85	0.98	0.00	0.00	0.00	0.00	32.38
BADAGADA	Badagada-A	UDPF	2	100.00	4.00	1.00	0.00	0.00	0.00	0.00	15.70
BADAGADA	Badagada-A	UDPF	3	395.00	2.28	0.76	0.00	0.00	0.00	0.00	5.49
BADAGADA	Badagada-A	UDPF	4	380.00	0.53	0.00	0.00	0.00	0.00	0.00	0.42
BADAGADA	Badagada-A	UDPF	5	345.00	0.87	0.29	0.00	0.00	0.00	0.00	0.98
BADAGADA	Badagada-A	UDPF	6	285.00	1.05	0.35	0.00	0.00	0.00	0.00	1.31
BADAGADA	Badagada-A	UDPF	7	340.00	3.82	2.06	0.00	0.00	0.00	0.00	19.33
BADAGADA	Badagada-A	UDPF	8	355.00	0.85	0.28	0.00	0.00	0.00	0.00	0.94
BADAGADA	Badagada-A	UDPF	9	430.00	0.70	0.00	0.00	0.00	0.00	0.00	0.49
BADAGADA	Badagada-A	UDPF	10	220.00	5.00	0.00	0.00	0.00	0.00	0.00	21.52
BADAGADA	Badagada-A	UDPF	11	250.00	4.40	0.00	0.00	0.00	0.00	0.00	16.37
BADAGADA	Badagada-A	UDPF	12	375.00	1.60	0.00	0.00	0.00	0.00	0.00	1.83
BADAGADA	Badagada-A	UDPF	13	270.00	2.59	0.00	0.00	0.00	0.00	0.00	5.19
BADAGADA	Badagada-A	UDPF	14	355.00	1.69	0.00	0.00	0.00	0.00	0.00	2.06
BADAGADA	Badagada-A	UDPF	15	655.00	0.46	0.15	0.00	0.00	0.00	0.00	0.49
BADAGADA	Badagada-A	UDPF	16	530.00	0.75	0.19	0.00	0.00	0.00	0.00	0.68
BADAGADA	Badagada-A	UDPF	17	315.00	0.63	0.00	0.00	0.00	0.00	0.00	0.46

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Badagada-A	UDPF	18	435.00	1.38	0.00	0.00	0.00	0.00	0.00	1.35
BADAGADA	Badagada-A	UDPF	19	345.00	0.87	0.29	0.00	0.00	0.00	0.00	0.98
BADAGADA	Badagada-A	UDPF	20	820.00	1.10	0.37	0.00	0.00	0.00	0.00	1.41
BADAGADA	Badagada-A	UDPF	21	535.00	2.24	0.37	0.00	0.00	0.00	0.00	4.32
BADAGADA	Badagada-A	UDPF	22	295.00	1.36	0.34	0.00	0.00	0.00	0.00	1.77
BADAGADA	Badagada-A	UDPF	23	275.00	0.73	0.00	0.00	0.00	0.00	0.00	0.51
BADAGADA	Badagada-A	UDPF	24	260.00	2.31	0.38	0.00	0.00	0.00	0.00	4.59
BADAGADA	Badagada-A	UDPF	25	365.00	2.19	0.55	0.00	0.00	0.00	0.00	4.57
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-B	UDPF	1	540.00	4.07	0.00	0.00	0.00	0.00	0.00	13.87
BADAGADA	Badagada-B	UDPF	2	290.00	2.07	0.00	0.00	0.00	0.00	0.00	3.17
BADAGADA	Badagada-B	UDPF	3	465.00	0.86	0.22	0.00	0.00	0.00	0.00	0.81
BADAGADA	Badagada-B	UDPF	4	190.00	1.58	0.00	0.00	0.00	0.00	0.00	1.78
BADAGADA	Badagada-B	UDPF	5	205.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	6	555.00	1.98	0.00	0.00	0.00	0.00	0.00	2.89
BADAGADA	Badagada-B	UDPF	7	670.00	3.28	0.00	0.00	0.00	0.00	0.00	8.69
BADAGADA	Badagada-B	UDPF	8	460.00	0.87	0.22	0.00	0.00	0.00	0.00	0.83
BADAGADA	Badagada-B	UDPF	9	140.00	2.14	0.00	0.00	0.00	0.00	0.00	3.43
BADAGADA	Badagada-B	UDPF	10	190.00	5.79	0.00	0.00	0.00	0.00	0.00	29.40
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Goudagotha	DPF	1	237.50	9.26	0.00	0.00	0.00	0.00	0.00	78.88
BADAGADA	Goudagotha	DPF	2	240.00	2.50	0.00	0.00	0.00	0.00	0.00	4.79
BADAGADA	Goudagotha	DPF	3	265.00	1.51	0.38	0.00	0.00	0.00	0.00	2.17
BADAGADA	Goudagotha	DPF	4	430.00	0.70	0.00	0.00	0.00	0.00	0.00	0.49
BADAGADA	Goudagotha	DPF	5	512.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	6	442.50	0.90	0.23	0.00	0.00	0.00	0.00	0.88
BADAGADA	Goudagotha	DPF	7	380.00	2.11	0.53	0.00	0.00	0.00	0.00	4.21
BADAGADA	Goudagotha	DPF	8	280.00	2.14	0.36	0.00	0.00	0.00	0.00	3.93

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Goudagotha	DPF	9	410.00	0.49	0.00	0.00	0.00	0.00	0.00	0.41
BADAGADA	Goudagotha	DPF	10	370.00	3.24	0.54	0.00	0.00	0.00	0.00	9.41
BADAGADA	Goudagotha	DPF	11	332.50	1.20	0.30	0.00	0.00	0.00	0.00	1.42
BADAGADA	Goudagotha	DPF	12	370.00	2.43	0.81	0.00	0.00	0.00	0.00	6.25
BADAGADA	Goudagotha	DPF	13	330.00	0.61	0.00	0.00	0.00	0.00	0.00	0.45
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Merikote	DPF	1	599.24	0.50	0.17	0.00	0.00	0.00	0.00	0.52
BADAGADA	Merikote	DPF	2	435.50	0.69	0.23	0.00	0.00	0.00	0.00	0.72
BADAGADA	Merikote	DPF	3	555.50	2.34	1.26	0.00	0.00	0.00	0.00	7.51
BADAGADA	Merikote	DPF	4	498.00	0.60	0.00	0.00	0.00	0.00	0.00	0.44
BADAGADA	Merikote	DPF	5	463.00	2.38	0.00	0.00	0.00	0.00	0.00	4.29
BADAGADA	Merikote	DPF	6	560.50	1.96	0.00	0.00	0.00	0.00	0.00	2.83
BADAGADA	Merikote	DPF	7	408.00	1.47	0.00	0.00	0.00	0.00	0.00	1.54
BADAGADA	Merikote	DPF	8	435.50	1.61	0.00	0.00	0.00	0.00	0.00	1.85
BADAGADA	Merikote	DPF	9	503.00	1.19	0.00	0.00	0.00	0.00	0.00	1.03
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Raipada	RF	1	506.65	2.17	0.00	0.00	0.00	0.00	0.00	3.52
BADAGADA	Raipada	RF	2	554.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	3	489.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	4	527.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	5	719.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Srirampalli	PRF	1	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Mahisikhata	UDPF	1	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Mahisikhata	UDPF	2	328.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

Total Block Area:

111680.09

TOTAL: 417.21 67.91 9.98 10.66 0.21 0.09 506.04

MEAN: 1.40 0.23 0.03 0.04 0.00 0.00 1.70

STDEV: 2.13 0.52 0.13 0.44 0.01 0.01 3.24

Std. Error (mean): 0.12 0.03 0.01 0.03 0.00 0.00 0.19

All Blocks (Tree): 156881.86 25535.25 3751.00 4006.65 78.15 32.77 190285.68

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

HARIDA

SORADA	Pondakhol	RF	1	526.00	0.80	1.25	0.87	0.23	0.08	0.04	6.57
SORADA	Pondakhol	RF	2	332.90	1.26	1.98	1.38	0.36	0.12	0.06	13.40
SORADA	Pondakhol	RF	3	441.33	1.22	1.09	1.09	0.59	0.14	0.00	8.73
SORADA	Pondakhol	RF	4	229.51	1.22	0.26	0.17	0.00	0.00	0.00	2.00
SORADA	Pondakhol	RF	5[a]	383.66	1.09	1.36	1.20	0.16	0.05	0.00	8.55
SORADA	Pondakhol	RF	6	313.42	0.89	0.83	0.26	0.13	0.00	0.00	3.07
SORADA	Pondakhol	RF	7	378.14	1.11	1.38	0.95	0.16	0.05	0.00	7.70
SORADA	Pondakhol	RF	8	344.37	0.70	0.76	0.41	0.17	0.00	0.00	2.99
SORADA	Pondakhol	RF	9	419.68	0.19	0.29	0.52	0.10	0.00	0.00	1.51
SORADA	Pondakhol	RF	10	240.38	3.24	1.66	0.33	0.25	0.17	0.00	17.05
SORADA	Pondakhol	RF	11	487.22	1.81	0.57	0.33	0.04	0.00	0.00	4.92
SORADA	Pondakhol	RF	12	334.67	0.72	0.78	0.42	0.18	0.00	0.00	3.13
SORADA	Pondakhol	RF	13	567.05	1.27	0.42	0.14	0.04	0.04	0.00	2.49
SORADA	Pondakhol	RF	14	618.00	0.00	0.03	0.03	0.00	0.00	0.00	-0.22
SORADA	Pondakhol	RF	15	397.54	0.00	0.50	0.05	0.05	0.00	0.00	0.77
SORADA	Pondakhol	RF	16	596.30	4.96	2.55	0.87	0.07	0.03	0.00	37.16
SORADA	Pondakhol	RF	17	340.33	0.53	0.24	0.06	0.00	0.00	0.00	0.44
SORADA	Pondakhol	RF	18	569.36	0.70	0.28	0.18	0.07	0.00	0.00	1.10
SORADA	Pondakhol	RF	19	282.80	3.25	2.26	0.64	0.28	0.00	0.00	20.83
SORADA	Pondakhol	RF	20	465.08	3.01	0.90	0.09	0.00	0.00	0.00	11.19
SORADA	Pondakhol	RF	21	294.44	2.04	0.54	0.20	0.00	0.00	0.00	5.42
SORADA	Pondakhol	RF	22	321.75	0.62	0.44	0.00	0.12	0.00	0.00	1.18
SORADA	Pondakhol	RF	23	520.35	1.81	0.42	0.27	0.15	0.00	0.00	4.66
SORADA	Pondakhol	RF	24	175.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	25	288.94	0.14	0.00	0.00	0.00	0.00	0.00	-0.02
SORADA	Pondakhol	RF	26	149.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	27[a]	449.26	1.47	0.93	0.31	0.04	0.00	0.00	4.77

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Pondakhhol	RF	28	419.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	29[a]	578.64	3.32	1.80	0.31	0.00	0.00	0.00	17.27
SORADA	Pondakhhol	RF	30	563.18	0.36	0.07	0.00	0.00	0.00	0.00	-0.01
SORADA	Pondakhhol	RF	31	475.59	3.49	2.02	0.63	0.00	0.00	0.00	20.47
SORADA	Pondakhhol	RF	32	478.34	0.00	0.25	0.00	0.00	0.00	0.00	0.18
SORADA	Pondakhhol	RF	33	346.47	1.67	3.23	0.98	0.46	0.00	0.00	21.17
SORADA	Pondakhhol	RF	34	567.05	3.35	1.38	0.14	0.07	0.00	0.00	15.32
SORADA	Pondakhhol	RF	35	456.52	1.84	0.79	0.48	0.04	0.00	0.00	6.02
SORADA	Pondakhhol	RF	36[a]	286.58	2.02	1.26	0.28	0.00	0.00	0.07	7.84
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[a]	250.90	1.43	0.96	0.16	0.08	0.00	0.00	4.47
SORADA	Dhaugam	RF	2[a]	375.20	2.19	2.40	0.32	0.00	0.00	0.05	14.33
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pondakhhol	RF	5[b]	100.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	27[b]	245.62	0.81	0.41	0.00	0.00	0.00	0.00	1.19
SORADA	Pondakhhol	RF	29[b]	198.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	36[b]	301.19	2.32	1.33	0.00	0.00	0.00	0.00	8.92
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[b]	203.06	4.43	5.42	0.98	0.49	0.00	0.00	60.22
SORADA	Dhaugam	RF	2[b]	203.04	4.43	0.49	0.00	0.00	0.00	0.00	20.74
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pipalpanka	RF	1	441.76	2.04	0.91	0.91	0.45	0.23	0.00	9.98
SORADA	Pipalpanka	RF	2	553.13	2.17	0.72	0.36	0.00	0.00	0.00	6.82
SORADA	Pipalpanka	RF	3	606.03	1.16	0.50	0.17	0.00	0.00	0.00	2.31
SORADA	Pipalpanka	RF	4	558.20	1.43	0.72	0.36	0.00	0.00	0.00	4.07
SORADA	Pipalpanka	RF	5	600.22	0.00	0.17	0.00	0.00	0.00	0.00	0.03
SORADA	Pipalpanka	RF	6	637.06	2.04	0.63	0.00	0.00	0.00	0.00	5.34
					0.00	0.00	0.00	0.00	0.00	0.00	

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Mundapita	RF	1	627.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	2	553.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	3	610.52	1.15	0.00	0.00	0.00	0.00	0.00	1.38
SORADA	Mundapita	RF	4	476.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Hukuma	RF	1	692.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Hukuma	RF	2	531.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Hukuma	RF	3	522.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Bondhagocha	RF	1	613.64	0.49	0.16	0.00	0.00	0.00	0.00	0.27
SORADA	Bondhagocha	RF	2	693.69	0.43	0.14	0.00	0.00	0.00	0.00	0.18
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhepaguda	RF	1	334.78	0.00	0.90	0.60	0.00	0.00	0.00	3.10
SORADA	Dhepaguda	RF	2	493.00	1.62	0.81	0.61	0.00	0.00	0.00	5.62
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dabuki	RF	1	506.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pankalagam	RF	1	265.59	0.00	0.38	0.00	0.00	0.00	0.00	0.43
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Budurung	RF	1	316.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Chamunda	RF	1	265.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kadapada	RF	1	677.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kumarsuni Vishnucha	RF	1	1081.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Binodia	RF	1	209.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Tangarai	RF	1	817.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Nagiri	RF	1	449.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Solundi	RF	1	362.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Jhollery	RF	1	914.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Sandasulia	RF	1	848.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BUGUDA	Panchabhuti-C	RF	1	198.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-B	RF	1	354.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kurchuli-A	RF	1	390.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	2	646.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	3	533.09	2.25	1.31	0.00	0.00	0.00	0.00	8.52
BUGUDA	Kurchuli-A	RF	4	662.32	1.81	0.75	0.00	0.00	0.00	0.00	4.78
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kriamba-Jadupadi	RF	1	432.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	2	639.53	1.88	0.16	0.16	0.00	0.00	0.00	3.88
BUGUDA	Kriamba-Jadupadi	RF	3	555.56	0.18	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	4	959.71	0.00	0.31	0.00	0.00	0.00	0.00	0.30
BUGUDA	Kriamba-Jadupadi	RF	5	714.56	0.98	0.00	0.00	0.00	0.00	0.00	1.01
BUGUDA	Kriamba-Jadupadi	RF	6	756.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	7	858.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	8	498.73	4.01	1.00	0.40	0.00	0.00	0.00	19.34
BUGUDA	Kriamba-Jadupadi	RF	9	465.24	0.86	0.00	0.00	0.00	0.00	0.00	0.78
BUGUDA	Kriamba-Jadupadi	RF	10	733.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	11	786.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	12	443.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	13	876.22	0.23	0.00	0.00	0.00	0.00	0.00	0.03
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Panchabhuti-A	RF	1	609.28	1.15	0.00	0.00	0.00	0.00	0.00	1.39
BUGUDA	Panchabhuti-A	RF	2	282.83	4.24	0.00	0.00	0.00	0.00	0.00	18.39
BUGUDA	Panchabhuti-A	RF	3	529.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Panchabhuti-A	RF	4	368.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-I	DPF	1	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Kansa	DPF	1	181.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badadanda	DPF	1	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chapudia	DPF	1	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Rasibadi	DPF	1	370.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Bhumi dimiripalli	PRF	1	15.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badua	PRF	1	80.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-II	DPF	1	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	2	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	3	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	4	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	5	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	6	215.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Ambadaban	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	2	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	3	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Pakadi	DPF	1	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	2	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	3	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	4	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	5	220.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	6	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	7	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	8	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	9	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	10	110.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gadagada	DPF	1	190.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gadagada	DPF	2	155.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gadagada	DPF	3	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Chemidi	DPF	1	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	2	115.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	3	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	4	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	5	70.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	6	230.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Machakhai	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Machakhai	DPF	2	165.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Hatimunda	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Hatimunda	DPF	2	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Hatimunda	DPF	3	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Suliaguda	DPF	1	265.00	0.75	0.00	0.00	0.00	0.00	0.00	0.60
ASKA	Suliaguda	DPF	2	195.00	2.05	0.00	0.00	0.00	0.00	0.00	4.37
ASKA	Suliaguda	DPF	3	235.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	4	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gouduni	PRF	1	142.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gouduni	PRF	2	157.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Badagada-C	UDPF	1	340.00	2.06	0.00	0.00	0.00	0.00	0.00	4.40

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	2	305.00	4.26	0.66	0.00	0.00	0.00	0.00	19.64
ASKA	Badagada-C	UDPF	3	165.00	5.45	0.00	0.00	0.00	0.00	0.00	30.26
ASKA	Badagada-C	UDPF	4	315.00	4.13	0.00	0.00	0.00	0.00	0.00	17.41
ASKA	Badagada-C	UDPF	5	310.00	2.26	0.00	0.00	0.00	0.00	0.00	5.28
ASKA	Badagada-C	UDPF	6	275.00	5.45	3.64	1.82	0.00	0.00	0.00	54.57
ASKA	Badagada-C	UDPF	7	700.00	1.71	0.00	0.00	0.00	0.00	0.00	3.07
ASKA	Badagada-C	UDPF	8	325.00	4.62	0.00	0.00	0.00	0.00	0.00	21.72
ASKA	Badagada-C	UDPF	9	455.00	1.54	0.00	0.00	0.00	0.00	0.00	2.48
ASKA	Badagada-C	UDPF	10	485.00	2.68	0.62	0.00	0.00	0.00	0.00	8.40
ASKA	Badagada-C	UDPF	11	440.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	12	460.00	2.17	0.00	0.00	0.00	0.00	0.00	4.90
ASKA	Badagada-C	UDPF	13	575.00	1.22	0.00	0.00	0.00	0.00	0.00	1.56
ASKA	Badagada-C	UDPF	14	340.00	2.65	0.29	0.00	0.00	0.00	0.00	7.49
ASKA	Badagada-C	UDPF	15	320.00	3.13	0.00	0.00	0.00	0.00	0.00	10.04
ASKA	Badagada-C	UDPF	16	385.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	17	390.00	1.79	0.00	0.00	0.00	0.00	0.00	3.36
ASKA	Badagada-C	UDPF	18	395.00	3.04	0.51	0.00	0.00	0.00	0.00	10.21
ASKA	Badagada-C	UDPF	19	465.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	20	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	21	390.00	1.79	0.00	0.00	0.00	0.00	0.00	3.36
ASKA	Badagada-C	UDPF	22	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	23	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	24	150.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	25	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	26	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	27	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	28	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	29	210.00	1.43	0.00	0.00	0.00	0.00	0.00	2.14

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	30	240.00	1.67	0.00	0.00	0.00	0.00	0.00	2.90
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Kantakhhol	DPF	1	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Kantakhhol	DPF	2	120.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Pandaripada	DPF	1	185.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	2	415.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	3	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	4	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	5	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	6	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	7	440.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	8	260.00	0.00	1.15	0.00	0.00	0.00	0.00	2.66
POLOSARA	Pandaripada	DPF	9	345.00	0.29	0.00	0.00	0.00	0.00	0.00	0.07
POLOSARA	Pandaripada	DPF	10	305.00	3.93	0.33	0.33	0.00	0.00	0.00	16.75
POLOSARA	Pandaripada	DPF	11	510.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	12	495.00	1.41	0.00	0.00	0.00	0.00	0.00	2.10
POLOSARA	Pandaripada	DPF	13	170.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	14	375.00	0.53	0.00	0.00	0.00	0.00	0.00	0.29
POLOSARA	Pandaripada	DPF	15	410.00	0.49	0.00	0.00	0.00	0.00	0.00	0.24
POLOSARA	Pandaripada	DPF	16	565.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	17	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	18	365.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	19	330.00	0.61	0.00	0.00	0.00	0.00	0.00	0.38
POLOSARA	Pandaripada	DPF	20	260.00	3.08	0.00	0.38	0.00	0.00	0.00	10.46
POLOSARA	Pandaripada	DPF	21	110.00	10.91	4.55	0.91	0.00	0.00	0.00	148.95
POLOSARA	Pandaripada	DPF	22	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	23	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Pandaripada	DPF	24	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	25	280.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	26	270.00	4.44	1.85	0.00	0.00	0.00	0.00	25.86
POLOSARA	Pandaripada	DPF	27	325.00	3.69	2.15	0.00	0.00	0.00	0.00	21.27
POLOSARA	Pandaripada	DPF	28	500.00	2.40	0.00	0.00	0.00	0.00	0.00	5.96
POLOSARA	Pandaripada	DPF	29	375.00	3.20	0.00	0.00	0.00	0.00	0.00	10.52
POLOSARA	Pandaripada	DPF	30	225.00	3.11	0.00	0.00	0.00	0.00	0.00	9.95
POLOSARA	Pandaripada	DPF	31	200.00	6.00	0.00	0.00	0.00	0.00	0.00	36.56
POLOSARA	Pandaripada	DPF	32	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	33	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	34	335.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	35	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	36	475.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	37	385.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	38	125.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Bhalukhai	DPF	1	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Sodaka-A	DPF	1	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Sodaka-B	DPF	1	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Kakudia	DPF	1	85.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Jokalundi	PRF	1	390.00	2.31	1.54	1.28	0.26	0.00	0.00	14.07
POLOSARA	Paikajamuna	DPF	1	335.48	1.19	1.79	0.00	0.00	0.00	0.00	6.88
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Purunapani Daburia	PRF	1	320.00	2.81	0.00	0.00	0.00	0.31	0.00	8.86
POLOSARA	Purunapani Daburia	PRF	2	275.00	2.91	0.00	0.00	0.00	0.36	0.36	9.92
POLOSARA	Purunapani Daburia	PRF	3	345.00	1.16	0.58	0.58	0.00	0.00	0.00	3.57
POLOSARA	Purunapani Daburia	PRF	4	470.00	1.06	0.64	0.00	0.00	0.21	0.00	2.69
POLOSARA	Purunapani Daburia	PRF	5	325.00	0.00	0.00	1.54	0.62	0.00	0.00	6.52

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Purunapani Daburia	PRF	6	380.00	1.84	0.00	0.00	0.00	0.26	0.00	4.11
POLOSARA	Purunapani Daburia	PRF	7	240.00	3.33	1.67	2.92	2.08	0.42	0.00	39.09
POLOSARA	Purunapani Daburia	PRF	8	170.00	4.12	7.06	0.00	1.18	0.59	0.00	81.54
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Khaladimal	PRF	1	400.00	0.25	0.50	0.25	0.00	0.00	0.00	1.14
POLOSARA	Khaladimal	PRF	2	275.00	3.64	1.45	0.73	0.00	0.00	0.00	19.11
POLOSARA	Khaladimal	PRF	3	125.00	7.20	4.80	4.00	0.80	0.00	0.00	106.93
POLOSARA	Khaladimal	PRF	4	135.00	2.96	4.44	0.00	0.00	0.00	0.00	34.54
POLOSARA	Khaladimal	PRF	5	430.00	2.79	0.93	0.70	0.00	0.00	0.00	11.54
POLOSARA	Khaladimal	PRF	6	150.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-A	UDPF	1	205.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	2	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	3	395.00	1.01	0.25	0.00	0.00	0.00	0.00	1.26
BADAGADA	Badagada-A	UDPF	4	380.00	0.26	0.00	0.00	0.00	0.00	0.00	0.05
BADAGADA	Badagada-A	UDPF	5	345.00	0.87	0.29	0.00	0.00	0.00	0.00	1.05
BADAGADA	Badagada-A	UDPF	6	285.00	1.05	0.00	0.00	0.00	0.00	0.00	1.17
BADAGADA	Badagada-A	UDPF	7	340.00	1.18	1.18	0.00	0.00	0.00	0.00	4.20
BADAGADA	Badagada-A	UDPF	8	355.00	0.85	0.00	0.00	0.00	0.00	0.00	0.75
BADAGADA	Badagada-A	UDPF	9	430.00	0.93	0.00	0.00	0.00	0.00	0.00	0.91
BADAGADA	Badagada-A	UDPF	10	220.00	1.36	0.00	0.00	0.00	0.00	0.00	1.95
BADAGADA	Badagada-A	UDPF	11	250.00	0.80	0.00	0.00	0.00	0.00	0.00	0.67
BADAGADA	Badagada-A	UDPF	12	375.00	0.53	0.00	0.00	0.00	0.00	0.00	0.29
BADAGADA	Badagada-A	UDPF	13	270.00	1.11	0.00	0.00	0.00	0.00	0.00	1.30
BADAGADA	Badagada-A	UDPF	14	355.00	1.97	0.00	0.00	0.00	0.00	0.00	4.04
BADAGADA	Badagada-A	UDPF	15	655.00	0.46	0.00	0.00	0.00	0.00	0.00	0.21
BADAGADA	Badagada-A	UDPF	16	530.00	0.38	0.00	0.00	0.00	0.00	0.00	0.13
BADAGADA	Badagada-A	UDPF	17	315.00	0.32	0.00	0.00	0.00	0.00	0.00	0.08

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Badagada-A	UDPF	18	435.00	0.46	0.00	0.00	0.00	0.00	0.00	0.21
BADAGADA	Badagada-A	UDPF	19	345.00	0.87	0.29	0.00	0.00	0.00	0.00	1.05
BADAGADA	Badagada-A	UDPF	20	820.00	0.49	0.12	0.00	0.00	0.00	0.00	0.20
BADAGADA	Badagada-A	UDPF	21	535.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	22	295.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	23	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	24	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	25	365.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-B	UDPF	1	540.00	2.59	0.00	0.00	0.00	0.00	0.00	6.94
BADAGADA	Badagada-B	UDPF	2	290.00	0.69	0.00	0.00	0.00	0.00	0.00	0.50
BADAGADA	Badagada-B	UDPF	3	465.00	0.43	0.00	0.00	0.00	0.00	0.00	0.18
BADAGADA	Badagada-B	UDPF	4	190.00	2.11	0.00	0.00	0.00	0.00	0.00	4.60
BADAGADA	Badagada-B	UDPF	5	205.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	6	555.00	1.44	0.00	0.00	0.00	0.00	0.00	2.18
BADAGADA	Badagada-B	UDPF	7	670.00	2.09	0.00	0.00	0.00	0.00	0.00	4.53
BADAGADA	Badagada-B	UDPF	8	460.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	9	140.00	2.86	0.00	0.00	0.00	0.00	0.00	8.41
BADAGADA	Badagada-B	UDPF	10	190.00	4.21	0.00	0.00	0.00	0.00	0.00	18.11
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Goudagotha	DPF	1	237.50	5.89	0.00	0.00	0.00	0.00	0.00	35.30
BADAGADA	Goudagotha	DPF	2	240.00	0.83	0.00	0.00	0.00	0.00	0.00	0.73
BADAGADA	Goudagotha	DPF	3	265.00	0.75	0.00	0.00	0.00	0.00	0.00	0.60
BADAGADA	Goudagotha	DPF	4	430.00	0.93	0.00	0.00	0.00	0.00	0.00	0.91
BADAGADA	Goudagotha	DPF	5	512.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	6	442.50	0.45	0.00	0.00	0.00	0.00	0.00	0.20
BADAGADA	Goudagotha	DPF	7	380.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	8	280.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Goudagotha	DPF	9	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	10	370.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	11	332.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	12	370.00	1.08	0.27	0.00	0.00	0.00	0.00	1.45
BADAGADA	Goudagotha	DPF	13	330.00	0.30	0.00	0.00	0.00	0.00	0.00	0.07
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Merikote	DPF	1	599.24	0.50	0.17	0.00	0.00	0.00	0.00	0.28
BADAGADA	Merikote	DPF	2	435.50	0.69	0.00	0.00	0.00	0.00	0.00	0.50
BADAGADA	Merikote	DPF	3	555.50	0.72	0.72	0.00	0.00	0.00	0.00	1.81
BADAGADA	Merikote	DPF	4	498.00	0.80	0.00	0.00	0.00	0.00	0.00	0.68
BADAGADA	Merikote	DPF	5	463.00	0.65	0.00	0.00	0.00	0.00	0.00	0.44
BADAGADA	Merikote	DPF	6	560.50	0.36	0.00	0.00	0.00	0.00	0.00	0.12
BADAGADA	Merikote	DPF	7	408.00	0.49	0.00	0.00	0.00	0.00	0.00	0.24
BADAGADA	Merikote	DPF	8	435.50	0.69	0.00	0.00	0.00	0.00	0.00	0.50
BADAGADA	Merikote	DPF	9	503.00	1.39	0.00	0.00	0.00	0.00	0.00	2.03
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Raipada	RF	1	506.65	0.59	0.00	0.00	0.00	0.00	0.00	0.36
BADAGADA	Raipada	RF	2	554.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	3	489.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	4	527.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	5	719.30	0.00	0.00	0.14	0.14	0.00	0.00	0.42
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Srirampalli	PRF	1	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Mahisikhata	UDPF	1	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Mahisikhata	UDPF	2	328.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

Total Block Area:

111680.09

TOTAL: 281.83 97.52 34.19 9.86 3.06 0.58 427.03

MEAN: 0.95 0.33 0.12 0.03 0.01 0.00 1.44

STDEV: 1.32 0.81 0.37 0.16 0.06 0.02 2.74

Std. Error (mean): 0.08 0.05 0.02 0.01 0.00 0.00 0.16

All Blocks (Tree): 105975.72 36669.22 12854.76 3707.61 1149.03 219.91 160576.26

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

KUSUMA

SORADA	Pondakhol	RF	1	526.00	3.04	2.32	1.37	0.34	0.08	0.04	14.59
SORADA	Pondakhol	RF	2	332.90	4.81	3.66	2.16	0.54	0.12	0.06	36.69
SORADA	Pondakhol	RF	3	441.33	3.85	1.99	2.99	1.68	0.82	0.63	33.16
SORADA	Pondakhol	RF	4	229.51	4.53	2.79	2.53	0.78	0.26	0.17	32.17
SORADA	Pondakhol	RF	5[a]	383.66	9.28	5.11	2.61	1.30	0.42	0.21	106.72
SORADA	Pondakhol	RF	6	313.42	2.42	1.02	0.96	0.13	0.19	0.00	6.18
SORADA	Pondakhol	RF	7	378.14	7.25	0.63	1.32	0.85	0.42	0.21	42.39
SORADA	Pondakhol	RF	8	344.37	0.46	0.41	0.52	0.46	0.23	0.00	4.52
SORADA	Pondakhol	RF	9	419.68	1.67	0.95	0.95	0.10	0.05	0.00	4.69
SORADA	Pondakhol	RF	10	240.38	5.41	2.00	1.00	0.08	0.00	0.08	24.43
SORADA	Pondakhol	RF	11	487.22	6.57	2.83	1.64	0.62	0.04	0.00	43.24
SORADA	Pondakhol	RF	12	334.67	0.48	0.84	0.66	0.48	0.24	0.00	5.64
SORADA	Pondakhol	RF	13	567.05	1.83	0.78	0.32	0.04	0.04	0.00	2.61
SORADA	Pondakhol	RF	14	618.00	11.00	5.02	1.17	0.29	0.06	0.00	124.07
SORADA	Pondakhol	RF	15	397.54	6.44	3.52	2.16	0.45	0.15	0.25	49.35
SORADA	Pondakhol	RF	16	596.30	6.81	4.39	1.54	0.13	0.13	0.07	56.44
SORADA	Pondakhol	RF	17	340.33	13.28	9.58	6.29	1.94	0.59	0.24	294.99
SORADA	Pondakhol	RF	18	569.36	2.11	1.26	0.35	0.18	0.00	0.00	4.55
SORADA	Pondakhol	RF	19	282.80	10.54	6.15	0.71	0.35	0.00	0.07	127.35
SORADA	Pondakhol	RF	20	465.08	1.63	0.95	0.22	0.00	0.00	0.00	2.76
SORADA	Pondakhol	RF	21	294.44	3.06	1.83	1.36	0.34	0.07	0.00	12.28
SORADA	Pondakhol	RF	22	321.75	1.86	1.12	0.62	0.31	0.06	0.00	4.78
SORADA	Pondakhol	RF	23	520.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	24	175.17	5.02	1.14	0.46	0.00	0.00	0.00	16.74
SORADA	Pondakhol	RF	25	288.94	3.39	4.36	2.01	0.00	0.00	0.00	32.86
SORADA	Pondakhol	RF	26	149.20	1.34	0.40	0.00	0.00	0.00	0.00	1.59
SORADA	Pondakhol	RF	27[a]	449.26	5.16	2.98	1.74	0.53	0.09	0.00	31.99

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Pondakhol	RF	28	419.35	11.40	5.20	0.43	0.00	0.00	0.00	131.10
SORADA	Pondakhol	RF	29[a]	578.64	4.77	1.52	0.48	0.00	0.00	0.00	16.24
SORADA	Pondakhol	RF	30	563.18	4.05	2.17	0.39	0.00	0.00	0.00	14.41
SORADA	Pondakhol	RF	31	475.59	7.40	4.88	1.93	0.00	0.00	0.00	69.46
SORADA	Pondakhol	RF	32	478.34	1.34	2.97	1.13	1.05	0.00	0.08	17.01
SORADA	Pondakhol	RF	33	346.47	9.99	4.96	1.39	0.98	0.12	0.23	108.33
SORADA	Pondakhol	RF	34	567.05	2.82	3.24	1.73	0.14	0.00	0.00	20.62
SORADA	Pondakhol	RF	35	456.52	4.42	3.90	1.93	1.66	0.79	0.61	41.62
SORADA	Pondakhol	RF	36[a]	286.58	3.00	1.61	0.21	0.00	0.00	0.00	7.23
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[a]	250.90	5.26	1.99	0.80	0.32	0.00	0.00	23.05
SORADA	Dhaugam	RF	2[a]	375.20	6.56	4.21	1.71	0.05	0.00	0.00	52.50
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pondakhol	RF	5[b]	100.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	27[b]	245.62	7.74	6.51	0.41	0.00	0.00	0.00	87.39
SORADA	Pondakhol	RF	29[b]	198.50	9.57	8.56	0.00	0.00	0.00	0.00	145.42
SORADA	Pondakhol	RF	36[b]	301.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[b]	203.06	16.74	6.40	3.45	0.98	0.00	0.00	299.36
SORADA	Dhaugam	RF	2[b]	203.04	15.76	5.91	1.48	0.99	0.00	0.00	251.50
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pipalpanka	RF	1	441.76	1.81	0.23	0.00	0.00	0.00	0.00	1.55
SORADA	Pipalpanka	RF	2	553.13	1.63	0.72	0.00	0.00	0.00	0.00	2.16
SORADA	Pipalpanka	RF	3	606.03	1.16	0.33	0.17	0.00	0.00	0.00	1.60
SORADA	Pipalpanka	RF	4	558.20	0.54	0.36	0.72	0.36	0.00	0.18	4.39
SORADA	Pipalpanka	RF	5	600.22	0.67	0.50	0.17	0.17	0.00	0.00	2.53
SORADA	Pipalpanka	RF	6	637.06	1.10	0.63	0.00	0.00	0.00	0.00	2.03
					0.00	0.00	0.00	0.00	0.00	0.00	

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Mundapita	RF	1	627.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	2	553.98	3.43	0.18	0.00	0.00	0.00	0.00	5.42
SORADA	Mundapita	RF	3	610.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	4	476.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Hukuma	RF	1	692.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Hukuma	RF	2	531.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Hukuma	RF	3	522.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Bondhagocha	RF	1	613.64	3.10	1.30	1.30	1.14	0.33	0.00	13.40
SORADA	Bondhagocha	RF	2	693.69	2.74	1.15	1.15	1.01	0.29	0.00	10.71
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhepaguda	RF	1	334.78	0.90	0.60	0.90	0.00	0.00	0.00	3.94
SORADA	Dhepaguda	RF	2	493.00	3.45	1.62	0.41	0.20	0.41	0.00	10.35
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dabuki	RF	1	506.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pankalagam	RF	1	265.59	1.51	1.13	0.38	0.38	0.00	0.00	4.20
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Budurung	RF	1	316.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Chamunda	RF	1	265.59	2.64	0.38	0.00	0.00	0.00	0.00	3.05
BUGUDA	Kadapada	RF	1	677.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kumarsuni Vishnucha	RF	1	1081.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Binodia	RF	1	209.96	3.33	0.48	0.00	0.00	0.00	0.00	5.38
BUGUDA	Tangarai	RF	1	817.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Nagiri	RF	1	449.55	2.89	0.00	0.00	0.00	0.00	0.00	3.60
BUGUDA	Solundi	RF	1	362.75	9.65	0.00	0.00	0.00	0.55	0.00	70.39
BUGUDA	Jhollery	RF	1	914.98	2.51	0.00	0.00	0.00	0.00	0.00	2.62
BUGUDA	Sandasulia	RF	1	848.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BUGUDA	Panchabhuti-C	RF	1	198.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-B	RF	1	354.66	0.56	0.28	0.00	0.00	0.00	0.00	2.17
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kurchuli-A	RF	1	390.76	0.26	0.00	0.00	0.00	0.00	0.00	2.75
BUGUDA	Kurchuli-A	RF	2	646.22	0.15	0.15	0.00	0.00	0.00	0.00	2.91
BUGUDA	Kurchuli-A	RF	3	533.09	0.75	0.19	0.19	0.00	0.00	0.00	1.86
BUGUDA	Kurchuli-A	RF	4	662.32	0.15	0.15	0.00	0.00	0.00	0.00	2.92
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kriamba-Jadupadi	RF	1	432.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	2	639.53	0.47	0.00	0.00	0.00	0.00	0.00	2.30
BUGUDA	Kriamba-Jadupadi	RF	3	555.56	0.18	0.00	0.00	0.00	0.00	0.00	2.93
BUGUDA	Kriamba-Jadupadi	RF	4	959.71	2.81	1.25	0.21	0.10	0.00	0.00	5.57
BUGUDA	Kriamba-Jadupadi	RF	5	714.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	6	756.83	0.26	0.00	0.13	0.00	0.00	0.00	2.71
BUGUDA	Kriamba-Jadupadi	RF	7	858.22	5.59	0.00	0.00	0.00	0.23	0.00	19.23
BUGUDA	Kriamba-Jadupadi	RF	8	498.73	7.82	1.00	0.20	0.20	0.40	0.00	44.90
BUGUDA	Kriamba-Jadupadi	RF	9	465.24	1.72	0.00	0.00	0.00	0.00	0.00	1.51
BUGUDA	Kriamba-Jadupadi	RF	10	733.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	11	786.82	0.00	0.00	0.00	0.00	0.13	0.00	0.12
BUGUDA	Kriamba-Jadupadi	RF	12	443.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	13	876.22	2.85	0.23	0.00	0.00	0.00	0.00	3.47
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Panchabhuti-A	RF	1	609.28	2.13	0.00	0.00	0.00	0.00	0.00	1.93
BUGUDA	Panchabhuti-A	RF	2	282.83	4.24	0.00	0.00	0.00	0.00	0.00	9.42
BUGUDA	Panchabhuti-A	RF	3	529.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Panchabhuti-A	RF	4	368.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-I	DPF	1	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Kansa	DPF	1	181.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badadanda	DPF	1	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chapudia	DPF	1	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Rasibadi	DPF	1	370.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Bhumi dimiripalli	PRF	1	15.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badua	PRF	1	80.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-II	DPF	1	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	2	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	3	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	4	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	5	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	6	215.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Ambadaban	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	2	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	3	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Pakadi	DPF	1	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	2	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	3	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	4	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	5	220.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	6	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	7	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	8	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	9	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	10	110.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gadagada	DPF	1	190.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gadagada	DPF	2	155.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gadagada	DPF	3	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Chemidi	DPF	1	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	2	115.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	3	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	4	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	5	70.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	6	230.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Machakhai	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Machakhai	DPF	2	165.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Hatimunda	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Hatimunda	DPF	2	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Hatimunda	DPF	3	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Suliaguda	DPF	1	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	2	195.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	3	235.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Suliaguda	DPF	4	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gouduni	PRF	1	142.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Gouduni	PRF	2	157.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Badagada-C	UDPF	1	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	2	305.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	3	165.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	4	315.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	5	310.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	6	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	7	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	8	325.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	9	455.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	10	485.00	5.15	0.00	0.00	0.00	0.00	0.00	15.41
ASKA	Badagada-C	UDPF	11	440.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	12	460.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	13	575.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	14	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	15	320.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	16	385.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	17	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	18	395.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	19	465.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	20	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	21	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	22	700.00	2.71	0.14	0.00	0.00	0.00	0.00	3.01
ASKA	Badagada-C	UDPF	23	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	24	150.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	25	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	26	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	27	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	28	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	29	210.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	30	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Kantakhhol	DPF	1	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Kantakhhol	DPF	2	120.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Pandaripada	DPF	1	185.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	2	415.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	3	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	4	375.00	0.00	0.00	0.00	0.00	0.27	0.00	0.42
POLOSARA	Pandaripada	DPF	5	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	6	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	7	440.00	0.23	0.00	0.00	0.00	0.00	0.00	2.82
POLOSARA	Pandaripada	DPF	8	260.00	10.38	4.62	0.77	0.38	0.00	0.00	107.45
POLOSARA	Pandaripada	DPF	9	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	10	305.00	0.98	0.00	0.00	0.00	0.00	0.00	1.60
POLOSARA	Pandaripada	DPF	11	510.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	12	495.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	13	170.00	1.18	0.00	0.59	0.00	0.00	0.00	2.39
POLOSARA	Pandaripada	DPF	14	375.00	1.87	0.00	0.00	0.00	0.00	0.00	1.62
POLOSARA	Pandaripada	DPF	15	410.00	0.24	0.00	0.00	0.00	0.00	0.00	2.78
POLOSARA	Pandaripada	DPF	16	565.00	2.30	0.00	0.00	0.00	0.00	0.00	2.20
POLOSARA	Pandaripada	DPF	17	270.00	12.96	0.00	0.00	0.00	0.74	0.00	136.54
POLOSARA	Pandaripada	DPF	18	365.00	5.21	0.00	0.00	0.00	0.00	0.00	15.79
POLOSARA	Pandaripada	DPF	19	330.00	1.82	0.61	0.00	0.00	0.00	0.00	2.06
POLOSARA	Pandaripada	DPF	20	260.00	10.38	0.00	0.00	0.38	0.77	0.00	84.43
POLOSARA	Pandaripada	DPF	21	110.00	10.91	4.55	0.91	0.00	0.00	0.00	116.17
POLOSARA	Pandaripada	DPF	22	470.00	0.21	0.00	0.00	0.00	0.00	0.00	2.85
POLOSARA	Pandaripada	DPF	23	250.00	0.40	0.40	0.00	0.00	0.00	0.00	2.61

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Pandaripada	DPF	24	270.00	0.37	0.00	0.00	0.00	0.00	0.00	2.50
POLOSARA	Pandaripada	DPF	25	280.00	0.36	0.36	0.00	0.00	0.00	0.00	2.65
POLOSARA	Pandaripada	DPF	26	270.00	0.37	0.37	0.00	0.00	0.00	0.00	2.64
POLOSARA	Pandaripada	DPF	27	325.00	0.92	0.31	0.00	0.00	0.00	0.00	1.71
POLOSARA	Pandaripada	DPF	28	500.00	2.40	0.00	0.00	0.00	0.00	0.00	2.39
POLOSARA	Pandaripada	DPF	29	375.00	3.20	0.00	0.00	0.00	0.00	0.00	4.61
POLOSARA	Pandaripada	DPF	30	225.00	5.78	0.00	0.00	0.00	0.00	0.00	20.46
POLOSARA	Pandaripada	DPF	31	200.00	6.00	0.00	0.00	0.00	0.00	0.00	22.45
POLOSARA	Pandaripada	DPF	32	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	33	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	34	335.00	6.87	0.00	0.00	0.00	0.00	0.00	31.14
POLOSARA	Pandaripada	DPF	35	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	36	475.00	1.47	0.21	0.00	0.00	0.00	0.00	1.38
POLOSARA	Pandaripada	DPF	37	385.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	38	125.00	10.40	0.00	0.00	0.00	0.00	0.00	82.18
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Bhalukhai	DPF	1	13.20	7.58	0.00	0.00	0.00	15.15	0.00	295.21
POLOSARA	Sodaka-A	DPF	1	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Sodaka-B	DPF	1	430.00	1.63	0.23	0.00	0.00	0.00	0.00	1.44
POLOSARA	Kakudia	DPF	1	85.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Jokalundi	PRF	1	390.00	0.00	0.00	3.59	2.31	0.26	0.26	27.44
POLOSARA	Paikajamuna	DPF	1	335.48	0.00	0.00	0.00	0.00	0.30	0.00	0.49
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Purunapani Daburia	PRF	1	320.00	2.19	3.75	1.25	0.31	0.00	0.31	21.65
POLOSARA	Purunapani Daburia	PRF	2	275.00	10.18	6.91	6.91	1.45	0.73	0.00	192.40
POLOSARA	Purunapani Daburia	PRF	3	345.00	13.04	0.00	0.00	0.00	0.00	0.00	136.68
POLOSARA	Purunapani Daburia	PRF	4	470.00	5.53	0.00	0.00	1.70	0.43	0.64	25.59
POLOSARA	Purunapani Daburia	PRF	5	325.00	8.31	2.77	0.00	0.00	0.92	0.62	60.77

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Purunapani Daburia	PRF	6	380.00	3.95	2.37	0.00	0.00	0.00	1.05	15.49
POLOSARA	Purunapani Daburia	PRF	7	240.00	7.08	0.00	0.00	0.00	3.33	2.08	52.45
POLOSARA	Purunapani Daburia	PRF	8	170.00	13.53	0.00	0.00	0.00	2.35	1.18	158.91
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Khaladimal	PRF	1	400.00	1.75	0.00	0.00	1.50	0.50	0.25	7.55
POLOSARA	Khaladimal	PRF	2	275.00	0.36	0.00	0.00	0.00	0.00	0.00	2.51
POLOSARA	Khaladimal	PRF	3	125.00	0.00	0.00	11.20	7.20	0.80	0.80	207.43
POLOSARA	Khaladimal	PRF	4	135.00	0.00	0.00	0.00	0.00	0.74	0.00	1.72
POLOSARA	Khaladimal	PRF	5	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Khaladimal	PRF	6	150.00	1.33	4.00	0.00	0.00	4.00	2.00	44.08
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-A	UDPF	1	205.00	8.29	0.00	0.00	0.00	0.00	0.00	48.74
BADAGADA	Badagada-A	UDPF	2	100.00	27.00	17.00	4.00	0.00	0.00	0.00	974.60
BADAGADA	Badagada-A	UDPF	3	395.00	11.90	3.04	0.76	0.00	0.00	0.00	123.31
BADAGADA	Badagada-A	UDPF	4	380.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	5	345.00	4.93	0.00	0.00	0.00	0.00	0.00	13.76
BADAGADA	Badagada-A	UDPF	6	285.00	2.46	0.00	0.00	0.00	0.00	0.00	2.50
BADAGADA	Badagada-A	UDPF	7	340.00	6.47	0.00	0.00	0.00	0.00	0.00	26.99
BADAGADA	Badagada-A	UDPF	8	355.00	1.97	0.00	0.00	0.00	0.00	0.00	1.73
BADAGADA	Badagada-A	UDPF	9	430.00	4.42	0.23	0.00	0.00	0.00	0.00	10.43
BADAGADA	Badagada-A	UDPF	10	220.00	1.36	0.00	0.00	0.00	0.00	0.00	1.42
BADAGADA	Badagada-A	UDPF	11	250.00	1.60	0.00	0.00	0.00	0.00	0.00	1.45
BADAGADA	Badagada-A	UDPF	12	375.00	0.53	0.00	0.00	0.00	0.00	0.00	2.19
BADAGADA	Badagada-A	UDPF	13	270.00	6.30	1.11	0.00	0.00	0.00	0.00	26.86
BADAGADA	Badagada-A	UDPF	14	355.00	0.56	0.00	0.00	0.00	0.00	0.00	2.14
BADAGADA	Badagada-A	UDPF	15	655.00	1.07	0.00	0.00	0.00	0.00	0.00	1.53
BADAGADA	Badagada-A	UDPF	16	530.00	2.26	0.00	0.00	0.00	0.00	0.00	2.14
BADAGADA	Badagada-A	UDPF	17	315.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Badagada-A	UDPF	18	435.00	1.38	0.00	0.00	0.00	0.00	0.00	1.41
BADAGADA	Badagada-A	UDPF	19	345.00	4.93	0.00	0.00	0.00	0.00	0.00	13.76
BADAGADA	Badagada-A	UDPF	20	820.00	5.73	1.46	0.37	0.00	0.00	0.00	23.16
BADAGADA	Badagada-A	UDPF	21	535.00	3.18	0.00	0.00	0.00	0.00	0.00	4.53
BADAGADA	Badagada-A	UDPF	22	295.00	9.15	5.76	1.36	0.00	0.00	0.00	100.67
BADAGADA	Badagada-A	UDPF	23	275.00	8.00	0.00	0.00	0.00	0.00	0.00	44.80
BADAGADA	Badagada-A	UDPF	24	260.00	3.46	0.77	0.00	0.00	0.00	0.00	6.40
BADAGADA	Badagada-A	UDPF	25	365.00	2.19	1.64	0.27	0.00	0.00	0.00	5.58
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-B	UDPF	1	540.00	2.41	0.00	0.00	0.00	0.00	0.00	2.40
BADAGADA	Badagada-B	UDPF	2	290.00	2.07	0.00	0.00	0.00	0.00	0.00	1.84
BADAGADA	Badagada-B	UDPF	3	465.00	2.58	0.00	0.00	0.00	0.00	0.00	2.78
BADAGADA	Badagada-B	UDPF	4	190.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	5	205.00	11.71	0.00	0.00	0.00	0.00	0.00	107.38
BADAGADA	Badagada-B	UDPF	6	555.00	1.26	0.00	0.00	0.00	0.00	0.00	1.44
BADAGADA	Badagada-B	UDPF	7	670.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	8	460.00	5.87	3.70	0.87	0.00	0.00	0.00	38.30
BADAGADA	Badagada-B	UDPF	9	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-B	UDPF	10	190.00	3.68	0.00	0.00	0.00	0.00	0.00	6.57
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Goudagotha	DPF	1	237.50	5.47	0.00	0.00	0.00	0.00	0.00	17.90
BADAGADA	Goudagotha	DPF	2	240.00	2.50	0.00	0.00	0.00	0.00	0.00	2.59
BADAGADA	Goudagotha	DPF	3	265.00	4.53	0.00	0.00	0.00	0.00	0.00	11.12
BADAGADA	Goudagotha	DPF	4	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Goudagotha	DPF	5	512.50	4.68	0.00	0.00	0.00	0.00	0.00	12.10
BADAGADA	Goudagotha	DPF	6	442.50	2.71	0.00	0.00	0.00	0.00	0.00	3.10
BADAGADA	Goudagotha	DPF	7	380.00	2.11	1.58	0.26	0.00	0.00	0.00	5.19
BADAGADA	Goudagotha	DPF	8	280.00	3.21	0.71	0.00	0.00	0.00	0.00	5.34

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Goudagotha	DPF	9	410.00	5.37	0.00	0.00	0.00	0.00	0.00	17.04
BADAGADA	Goudagotha	DPF	10	370.00	4.59	0.00	0.00	0.00	0.00	0.00	11.53
BADAGADA	Goudagotha	DPF	11	332.50	8.12	5.11	1.20	0.00	0.00	0.00	77.76
BADAGADA	Goudagotha	DPF	12	370.00	12.70	3.24	0.81	0.00	0.00	0.00	142.35
BADAGADA	Goudagotha	DPF	13	330.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Merikote	DPF	1	599.24	2.84	0.00	0.00	0.00	0.00	0.00	3.44
BADAGADA	Merikote	DPF	2	435.50	1.61	0.00	0.00	0.00	0.00	0.00	1.45
BADAGADA	Merikote	DPF	3	555.50	3.96	0.00	0.00	0.00	0.00	0.00	7.90
BADAGADA	Merikote	DPF	4	498.00	3.82	0.20	0.00	0.00	0.00	0.00	7.14
BADAGADA	Merikote	DPF	5	463.00	0.65	0.00	0.00	0.00	0.00	0.00	2.00
BADAGADA	Merikote	DPF	6	560.50	0.71	0.00	0.00	0.00	0.00	0.00	1.90
BADAGADA	Merikote	DPF	7	408.00	0.49	0.00	0.00	0.00	0.00	0.00	2.26
BADAGADA	Merikote	DPF	8	435.50	3.90	0.69	0.00	0.00	0.00	0.00	8.25
BADAGADA	Merikote	DPF	9	503.00	0.40	0.00	0.00	0.00	0.00	0.00	2.44
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Raipada	RF	1	506.65	0.59	0.00	0.00	0.00	0.00	0.00	2.09
BADAGADA	Raipada	RF	2	554.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	3	489.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	4	527.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	5	719.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Srirampalli	PRF	1	410.00	4.39	0.00	0.00	0.00	0.00	0.00	10.28
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Mahisikhata	UDPF	1	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Mahisikhata	UDPF	2	328.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

Total Block Area:

111680.09

TOTAL: 716.70 222.79 96.12 36.90 38.58 12.33 1123.42

MEAN: 2.41 0.75 0.32 0.12 0.13 0.04 3.78

STDEV: 3.34 1.73 0.99 0.51 0.94 0.21 7.71

Std. Error (mean): 0.19 0.10 0.06 0.03 0.05 0.01 0.45

All Blocks (Tree): 269499.69 83774.76 36144.30 13876.95 14506.70 4635.12 422437.53

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

BELA

SORADA	Pondakhol	RF	1	526.00	0.84	0.30	0.04	0.00	0.00	0.00	4.17
SORADA	Pondakhol	RF	2	332.90	1.32	0.48	0.06	0.00	0.00	0.00	3.54
SORADA	Pondakhol	RF	3	441.33	0.91	0.23	0.18	0.00	0.00	0.00	4.16
SORADA	Pondakhol	RF	4	229.51	0.52	0.09	0.00	0.00	0.00	0.00	4.68
SORADA	Pondakhol	RF	5[a]	383.66	0.42	0.47	0.05	0.00	0.00	0.00	5.82
SORADA	Pondakhol	RF	6	313.42	0.06	0.00	0.00	0.00	0.00	0.00	6.49
SORADA	Pondakhol	RF	7	378.14	0.42	0.48	0.05	0.00	0.00	0.00	5.81
SORADA	Pondakhol	RF	8	344.37	0.64	0.76	0.06	0.00	0.00	0.00	5.83
SORADA	Pondakhol	RF	9	419.68	0.00	0.05	0.00	0.00	0.00	0.00	-0.17
SORADA	Pondakhol	RF	10	240.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	11	487.22	0.53	0.29	0.04	0.00	0.00	0.00	5.03
SORADA	Pondakhol	RF	12	334.67	0.66	0.78	0.06	0.00	0.00	0.00	5.84
SORADA	Pondakhol	RF	13	567.05	2.15	0.78	0.14	0.00	0.00	0.00	3.79
SORADA	Pondakhol	RF	14	618.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	15	397.54	0.50	0.00	0.00	0.00	0.00	0.00	4.85
SORADA	Pondakhol	RF	16	596.30	0.44	0.03	0.13	0.07	0.00	0.00	5.28
SORADA	Pondakhol	RF	17	340.33	3.23	2.94	0.29	0.00	0.00	0.00	16.14
SORADA	Pondakhol	RF	18	569.36	0.21	0.07	0.00	0.00	0.00	0.00	5.77
SORADA	Pondakhol	RF	19	282.80	4.38	0.14	0.00	0.00	0.00	0.00	7.12
SORADA	Pondakhol	RF	20	465.08	0.95	0.30	0.00	0.00	0.00	0.00	3.84
SORADA	Pondakhol	RF	21	294.44	1.02	0.61	0.07	0.00	0.00	0.00	4.46
SORADA	Pondakhol	RF	22	321.75	1.37	0.68	0.12	0.00	0.00	0.00	4.11
SORADA	Pondakhol	RF	23	520.35	0.61	0.54	0.15	0.00	0.00	0.00	5.55
SORADA	Pondakhol	RF	24	175.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	25	288.94	1.32	0.62	0.00	0.00	0.00	0.00	3.80
SORADA	Pondakhol	RF	26	149.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	27[a]	449.26	0.22	0.13	0.00	0.00	0.00	0.00	5.82

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Pondakhhol	RF	28	419.35	0.14	0.00	0.00	0.00	0.00	0.00	6.17
SORADA	Pondakhhol	RF	29[a]	578.64	0.14	0.03	0.00	0.00	0.00	0.00	6.00
SORADA	Pondakhhol	RF	30	563.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	31	475.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	32	478.34	0.75	0.08	0.00	0.00	0.00	0.00	3.98
SORADA	Pondakhhol	RF	33	346.47	1.79	0.23	0.12	0.06	0.00	0.00	2.72
SORADA	Pondakhhol	RF	34	567.05	1.06	0.25	0.04	0.00	0.00	0.00	3.53
SORADA	Pondakhhol	RF	35	456.52	1.62	0.31	0.00	0.00	0.00	0.00	2.69
SORADA	Pondakhhol	RF	36[a]	286.58	0.35	0.14	0.00	0.00	0.00	0.00	5.35
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[a]	250.90	2.39	1.75	0.08	0.00	0.00	0.00	7.45
SORADA	Dhaugam	RF	2[a]	375.20	2.93	1.17	0.00	0.00	0.00	0.00	5.42
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pondakhhol	RF	5[b]	100.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhhol	RF	27[b]	245.62	0.81	0.41	0.00	0.00	0.00	0.00	4.39
SORADA	Pondakhhol	RF	29[b]	198.50	1.51	0.00	0.00	0.00	0.00	0.00	2.55
SORADA	Pondakhhol	RF	36[b]	301.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[b]	203.06	7.88	10.34	0.49	0.00	0.00	0.00	156.22
SORADA	Dhaugam	RF	2[b]	203.04	6.90	0.49	0.00	0.00	0.00	0.00	25.33
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pipalpanka	RF	1	441.76	2.94	1.36	0.68	0.45	0.00	0.00	9.00
SORADA	Pipalpanka	RF	2	553.13	1.63	0.54	0.00	0.00	0.00	0.00	3.18
SORADA	Pipalpanka	RF	3	606.03	0.66	0.00	0.00	0.00	0.00	0.00	4.36
SORADA	Pipalpanka	RF	4	558.20	0.36	0.00	0.00	0.00	0.00	0.00	5.35
SORADA	Pipalpanka	RF	5	600.22	0.33	0.50	0.00	0.00	0.00	0.00	6.11
SORADA	Pipalpanka	RF	6	637.06	0.63	0.16	0.00	0.00	0.00	0.00	4.46
					0.00	0.00	0.00	0.00	0.00	0.00	

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Mundapita	RF	1	627.36	1.28	0.00	0.00	0.00	0.00	0.00	2.91
SORADA	Mundapita	RF	2	553.98	2.17	0.36	0.00	0.00	0.00	0.00	2.51
SORADA	Mundapita	RF	3	610.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	4	476.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Hukuma	RF	1	692.91	1.44	0.00	0.00	0.00	0.00	0.00	2.64
SORADA	Hukuma	RF	2	531.01	0.94	0.00	0.00	0.00	0.00	0.00	3.60
SORADA	Hukuma	RF	3	522.48	1.53	0.00	0.00	0.00	0.00	0.00	2.53
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Bondhagocha	RF	1	613.64	1.96	0.49	0.00	0.00	0.00	0.00	2.82
SORADA	Bondhagocha	RF	2	693.69	1.73	0.43	0.00	0.00	0.00	0.00	2.84
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhepaguda	RF	1	334.78	1.19	0.60	0.00	0.00	0.00	0.00	3.95
SORADA	Dhepaguda	RF	2	493.00	2.64	0.00	0.00	0.00	0.00	0.00	2.39
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dabuki	RF	1	506.32	2.17	0.00	0.00	0.00	0.00	0.00	2.15
SORADA	Pankalagam	RF	1	265.59	0.75	1.13	0.00	0.00	0.00	0.00	6.60
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Budurung	RF	1	316.11	8.54	0.32	0.00	0.00	0.00	0.00	43.30
BUGUDA	Chamunda	RF	1	265.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kadapada	RF	1	677.36	5.02	0.00	0.00	0.00	0.00	0.00	10.39
BUGUDA	Kumarsuni Vishnucha	RF	1	1081.95	3.14	0.00	0.00	0.00	0.00	0.00	3.14
BUGUDA	Binodia	RF	1	209.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Tangarai	RF	1	817.49	3.30	0.12	0.00	0.00	0.00	0.00	3.42
BUGUDA	Nagiri	RF	1	449.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Solundi	RF	1	362.75	0.55	0.00	0.00	0.00	0.00	0.00	4.70
BUGUDA	Jhollery	RF	1	914.98	3.50	0.22	0.00	0.00	0.00	0.00	4.07
BUGUDA	Sandasulia	RF	1	848.34	3.18	0.59	0.00	0.00	0.00	0.00	4.10

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BUGUDA	Panchabhuti-C	RF	1	198.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-B	RF	1	354.66	0.28	0.00	0.28	0.00	0.00	0.00	6.23
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kurchuli-A	RF	1	390.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	2	646.22	0.15	0.00	0.15	0.00	0.00	0.00	6.42
BUGUDA	Kurchuli-A	RF	3	533.09	3.00	1.31	0.00	0.00	0.00	0.00	6.06
BUGUDA	Kurchuli-A	RF	4	662.32	1.21	0.30	0.00	0.00	0.00	0.00	3.28
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kriamba-Jadupadi	RF	1	432.88	4.62	1.62	0.00	0.00	0.00	0.00	12.73
BUGUDA	Kriamba-Jadupadi	RF	2	639.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	3	555.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	4	959.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	5	714.56	1.68	0.00	0.00	0.00	0.00	0.00	2.37
BUGUDA	Kriamba-Jadupadi	RF	6	756.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	7	858.22	0.23	0.00	0.00	0.00	0.00	0.00	5.81
BUGUDA	Kriamba-Jadupadi	RF	8	498.73	3.81	0.40	0.00	0.00	0.00	0.00	5.36
BUGUDA	Kriamba-Jadupadi	RF	9	465.24	0.43	0.86	0.00	0.00	0.00	0.00	6.72
BUGUDA	Kriamba-Jadupadi	RF	10	733.69	2.86	0.00	0.00	0.00	0.00	0.00	2.66
BUGUDA	Kriamba-Jadupadi	RF	11	786.82	4.58	1.02	0.00	0.00	0.00	0.00	10.15
BUGUDA	Kriamba-Jadupadi	RF	12	443.23	7.22	0.68	0.00	0.00	0.00	0.00	28.97
BUGUDA	Kriamba-Jadupadi	RF	13	876.22	0.91	0.11	0.00	0.00	0.00	0.00	3.60
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Panchabhuti-A	RF	1	609.28	2.13	0.00	0.00	0.00	0.00	0.00	2.15
BUGUDA	Panchabhuti-A	RF	2	282.83	6.01	0.71	0.00	0.00	0.00	0.00	18.25
BUGUDA	Panchabhuti-A	RF	3	529.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Panchabhuti-A	RF	4	368.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-I	DPF	1	410.00	5.37	0.24	0.00	0.00	0.00	0.00	12.65

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Kansa	DPF	1	181.53	6.06	2.20	0.00	0.00	0.00	0.00	24.91
ASKA	Badadanda	DPF	1	50.00	12.00	0.00	0.00	0.00	0.00	0.00	99.21
ASKA	Chapudia	DPF	1	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Rasibadi	DPF	1	370.00	2.70	0.27	0.00	0.00	0.00	0.00	2.65
ASKA	Bhumi dimiripalli	PRF	1	15.89	18.88	0.00	0.00	0.00	0.00	0.00	282.10
ASKA	Badua	PRF	1	80.00	10.00	0.00	0.00	0.00	0.00	0.00	63.80
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-II	DPF	1	355.00	3.10	0.56	0.28	0.00	0.00	0.00	4.46
ASKA	Malijhar-II	DPF	2	260.00	4.62	1.92	0.38	0.00	0.00	0.00	15.05
ASKA	Malijhar-II	DPF	3	300.00	13.00	2.33	0.00	0.00	0.00	0.00	128.14
ASKA	Malijhar-II	DPF	4	260.00	6.15	1.54	0.00	0.00	0.00	0.00	22.31
ASKA	Malijhar-II	DPF	5	345.00	5.22	0.00	0.00	0.00	0.00	0.00	11.57
ASKA	Malijhar-II	DPF	6	215.00	4.19	0.00	0.00	0.00	0.00	0.00	6.30
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Ambadaban	DPF	1	175.00	12.00	0.00	0.00	0.00	0.00	0.00	99.21
ASKA	Ambadaban	DPF	2	470.00	3.62	0.00	0.00	0.00	0.00	0.00	4.31
ASKA	Ambadaban	DPF	3	140.00	7.86	0.00	0.00	0.00	0.00	0.00	34.74
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Pakadi	DPF	1	250.00	4.80	0.00	0.00	0.00	0.00	0.00	9.18
ASKA	Pakadi	DPF	2	240.00	5.42	0.00	0.00	0.00	0.00	0.00	12.83
ASKA	Pakadi	DPF	3	140.00	2.86	0.00	0.00	0.00	0.00	0.00	2.65
ASKA	Pakadi	DPF	4	340.00	2.06	0.00	0.00	0.00	0.00	0.00	2.16
ASKA	Pakadi	DPF	5	220.00	3.64	0.00	0.00	0.00	0.00	0.00	4.36
ASKA	Pakadi	DPF	6	270.00	4.81	0.00	0.00	0.00	0.00	0.00	9.26
ASKA	Pakadi	DPF	7	130.00	5.38	0.00	0.00	0.00	0.00	0.00	12.62
ASKA	Pakadi	DPF	8	130.00	1.54	0.00	0.00	0.00	0.00	0.00	2.52
ASKA	Pakadi	DPF	9	140.00	2.14	0.00	0.00	0.00	0.00	0.00	2.15
ASKA	Pakadi	DPF	10	110.00	2.73	0.00	0.00	0.00	0.00	0.00	2.48

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gadagada	DPF	1	190.00	4.21	0.00	0.00	0.00	0.00	0.00	6.40
ASKA	Gadagada	DPF	2	155.00	3.87	0.00	0.00	0.00	0.00	0.00	5.12
ASKA	Gadagada	DPF	3	130.00	3.85	0.00	0.00	0.00	0.00	0.00	5.03
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Chemidi	DPF	1	345.00	1.16	0.00	0.00	0.00	0.00	0.00	3.13
ASKA	Chemidi	DPF	2	115.00	6.09	2.61	0.00	0.00	0.00	0.00	27.60
ASKA	Chemidi	DPF	3	355.00	5.63	0.00	0.00	0.00	0.00	0.00	14.30
ASKA	Chemidi	DPF	4	180.00	7.22	0.56	0.00	0.00	0.00	0.00	28.69
ASKA	Chemidi	DPF	5	70.00	12.86	0.00	0.00	0.00	0.00	0.00	116.83
ASKA	Chemidi	DPF	6	230.00	4.35	0.43	0.00	0.00	0.00	0.00	7.51
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Machakhai	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Machakhai	DPF	2	165.00	4.24	0.00	0.00	0.00	0.00	0.00	6.53
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Hatimunda	DPF	1	175.00	6.29	0.00	0.00	0.00	0.00	0.00	19.27
ASKA	Hatimunda	DPF	2	180.00	5.56	0.00	0.00	0.00	0.00	0.00	13.76
ASKA	Hatimunda	DPF	3	90.00	5.56	0.00	0.00	0.00	0.00	0.00	13.76
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Suliaguda	DPF	1	265.00	7.55	0.75	0.00	0.00	0.00	0.00	32.61
ASKA	Suliaguda	DPF	2	195.00	4.10	0.51	0.00	0.00	0.00	0.00	6.66
ASKA	Suliaguda	DPF	3	235.00	6.81	0.00	0.00	0.00	0.00	0.00	23.87
ASKA	Suliaguda	DPF	4	180.00	17.78	0.00	0.00	0.00	0.00	0.00	246.44
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gouduni	PRF	1	142.33	5.62	0.00	0.00	0.00	0.00	0.00	14.21
ASKA	Gouduni	PRF	2	157.00	5.10	0.00	0.00	0.00	0.00	0.00	10.84
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Badagada-C	UDPF	1	340.00	4.12	0.59	0.00	0.00	0.00	0.00	6.90

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	2	305.00	5.25	0.00	0.00	0.00	0.00	0.00	11.75
ASKA	Badagada-C	UDPF	3	165.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	4	315.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	5	310.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	6	275.00	2.91	0.00	0.00	0.00	0.00	0.00	2.73
ASKA	Badagada-C	UDPF	7	700.00	1.43	0.00	0.00	0.00	0.00	0.00	2.67
ASKA	Badagada-C	UDPF	8	325.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	9	455.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	10	485.00	2.47	0.62	0.21	0.00	0.00	0.00	3.62
ASKA	Badagada-C	UDPF	11	440.00	3.18	0.68	0.00	0.00	0.00	0.00	4.33
ASKA	Badagada-C	UDPF	12	460.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	13	575.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	14	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	15	320.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	16	385.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	17	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	18	395.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	19	465.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	20	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	21	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	22	700.00	1.71	0.29	0.00	0.00	0.00	0.00	2.56
ASKA	Badagada-C	UDPF	23	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	24	150.00	4.00	0.67	0.00	0.00	0.00	0.00	6.65
ASKA	Badagada-C	UDPF	25	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	26	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	27	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	28	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	29	210.00	10.48	0.00	0.00	0.00	0.00	0.00	71.51

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	30	240.00	9.17	0.00	0.00	0.00	0.00	0.00	51.41
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Kantakhhol	DPF	1	270.00	9.26	0.00	0.00	0.00	0.00	0.00	52.72
ASKA	Kantakhhol	DPF	2	120.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Pandaripada	DPF	1	185.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	2	415.00	3.37	0.00	0.00	0.00	0.00	0.00	3.65
POLOSARA	Pandaripada	DPF	3	360.00	1.94	0.00	0.00	0.00	0.00	0.00	2.19
POLOSARA	Pandaripada	DPF	4	375.00	4.80	0.00	0.00	0.00	0.00	0.00	9.18
POLOSARA	Pandaripada	DPF	5	360.00	5.00	2.22	0.00	0.00	0.00	0.00	17.85
POLOSARA	Pandaripada	DPF	6	800.00	4.00	0.38	0.00	0.00	0.00	0.00	5.97
POLOSARA	Pandaripada	DPF	7	440.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	8	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	9	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	10	305.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	11	510.00	3.92	1.37	0.00	0.00	0.00	0.00	8.72
POLOSARA	Pandaripada	DPF	12	495.00	2.42	0.00	0.00	0.00	0.00	0.00	2.22
POLOSARA	Pandaripada	DPF	13	170.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	14	375.00	0.53	1.07	0.00	0.00	0.00	0.00	7.04
POLOSARA	Pandaripada	DPF	15	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	16	565.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	17	270.00	0.74	0.00	0.00	0.00	0.00	0.00	4.13
POLOSARA	Pandaripada	DPF	18	365.00	2.19	0.27	0.00	0.00	0.00	0.00	2.35
POLOSARA	Pandaripada	DPF	19	330.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	20	260.00	7.31	0.77	0.00	0.00	0.00	0.00	30.12
POLOSARA	Pandaripada	DPF	21	110.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	22	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	23	250.00	0.40	0.00	0.40	0.00	0.00	0.00	6.11

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Pandaripada	DPF	24	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	25	280.00	0.36	0.00	0.36	0.00	0.00	0.00	6.15
POLOSARA	Pandaripada	DPF	26	270.00	2.96	0.74	0.00	0.00	0.00	0.00	4.09
POLOSARA	Pandaripada	DPF	27	325.00	3.69	2.15	0.00	0.00	0.00	0.00	11.72
POLOSARA	Pandaripada	DPF	28	500.00	3.40	0.40	0.00	0.00	0.00	0.00	4.16
POLOSARA	Pandaripada	DPF	29	375.00	4.53	0.53	0.00	0.00	0.00	0.00	8.58
POLOSARA	Pandaripada	DPF	30	225.00	5.78	0.00	0.00	0.00	0.00	0.00	15.32
POLOSARA	Pandaripada	DPF	31	200.00	8.50	1.00	0.00	0.00	0.00	0.00	44.56
POLOSARA	Pandaripada	DPF	32	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	33	355.00	7.61	1.41	0.00	0.00	0.00	0.00	35.50
POLOSARA	Pandaripada	DPF	34	335.00	9.55	0.60	0.00	0.00	0.00	0.00	57.87
POLOSARA	Pandaripada	DPF	35	375.00	7.20	0.27	0.00	0.00	0.00	0.00	27.86
POLOSARA	Pandaripada	DPF	36	475.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	37	385.00	8.83	0.00	0.00	0.00	0.00	0.00	46.81
POLOSARA	Pandaripada	DPF	38	125.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Bhalukhai	DPF	1	13.20	15.15	0.00	0.00	0.00	0.00	0.00	171.24
POLOSARA	Sodaka-A	DPF	1	400.00	6.75	0.25	0.00	0.00	0.00	0.00	23.48
POLOSARA	Sodaka-B	DPF	1	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Kakudia	DPF	1	85.02	39.99	0.00	0.00	0.00	0.00	0.00	1434.21
POLOSARA	Jokalundi	PRF	1	390.00	1.03	0.77	0.00	0.00	0.00	0.00	4.76
POLOSARA	Paikajamuna	DPF	1	335.48	0.89	1.49	0.00	0.00	0.00	0.00	7.63
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Purunapani Daburia	PRF	1	320.00	0.00	0.94	0.00	0.00	0.00	0.00	1.86
POLOSARA	Purunapani Daburia	PRF	2	275.00	5.09	0.73	0.00	0.00	0.00	0.00	12.05
POLOSARA	Purunapani Daburia	PRF	3	345.00	1.16	0.87	0.29	0.00	0.00	0.00	5.39
POLOSARA	Purunapani Daburia	PRF	4	470.00	0.64	0.00	0.00	0.00	0.00	0.00	4.43
POLOSARA	Purunapani Daburia	PRF	5	325.00	2.15	0.00	0.62	0.00	0.00	0.00	3.69

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Purunapani Daburia	PRF	6	380.00	2.11	1.32	0.00	0.00	0.00	0.00	5.35
POLOSARA	Purunapani Daburia	PRF	7	240.00	0.83	0.00	0.00	0.00	0.00	0.00	3.88
POLOSARA	Purunapani Daburia	PRF	8	170.00	0.59	0.59	0.00	0.00	0.00	0.00	5.46
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Khaladimal	PRF	1	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Khaladimal	PRF	2	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Khaladimal	PRF	3	125.00	18.40	18.40	0.00	0.00	0.80	0.00	630.54
POLOSARA	Khaladimal	PRF	4	135.00	3.70	4.44	0.00	0.00	0.74	0.00	31.84
POLOSARA	Khaladimal	PRF	5	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Khaladimal	PRF	6	150.00	11.33	0.00	2.67	0.00	0.00	0.00	98.78
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-A	UDPF	1	205.00	5.85	0.49	0.00	0.00	0.00	0.00	16.52
BADAGADA	Badagada-A	UDPF	2	100.00	12.00	0.00	0.00	0.00	0.00	0.00	99.21
BADAGADA	Badagada-A	UDPF	3	395.00	5.57	0.25	0.00	0.00	0.00	0.00	14.02
BADAGADA	Badagada-A	UDPF	4	380.00	3.16	0.26	0.00	0.00	0.00	0.00	3.35
BADAGADA	Badagada-A	UDPF	5	345.00	4.06	0.00	0.00	0.00	0.00	0.00	5.80
BADAGADA	Badagada-A	UDPF	6	285.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	7	340.00	3.53	0.88	0.00	0.00	0.00	0.00	5.74
BADAGADA	Badagada-A	UDPF	8	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	9	430.00	1.63	0.00	0.00	0.00	0.00	0.00	2.42
BADAGADA	Badagada-A	UDPF	10	220.00	5.00	0.00	0.00	0.00	0.00	0.00	10.28
BADAGADA	Badagada-A	UDPF	11	250.00	3.20	0.00	0.00	0.00	0.00	0.00	3.25
BADAGADA	Badagada-A	UDPF	12	375.00	2.40	0.00	0.00	0.00	0.00	0.00	2.21
BADAGADA	Badagada-A	UDPF	13	270.00	2.96	0.00	0.00	0.00	0.00	0.00	2.81
BADAGADA	Badagada-A	UDPF	14	355.00	2.54	0.00	0.00	0.00	0.00	0.00	2.30
BADAGADA	Badagada-A	UDPF	15	655.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Badagada-A	UDPF	16	530.00	1.70	0.00	0.00	0.00	0.00	0.00	2.35
BADAGADA	Badagada-A	UDPF	17	315.00	3.81	0.32	0.00	0.00	0.00	0.00	5.19

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Badagada-A	UDPF	18	435.00	2.76	0.23	0.00	0.00	0.00	0.00	2.64
BADAGADA	Badagada-A	UDPF	19	345.00	4.06	0.00	0.00	0.00	0.00	0.00	5.80
BADAGADA	Badagada-A	UDPF	20	820.00	2.68	0.12	0.00	0.00	0.00	0.00	2.38
BADAGADA	Badagada-A	UDPF	21	535.00	2.24	0.19	0.00	0.00	0.00	0.00	2.20
BADAGADA	Badagada-A	UDPF	22	295.00	4.07	0.00	0.00	0.00	0.00	0.00	5.83
BADAGADA	Badagada-A	UDPF	23	275.00	4.36	0.00	0.00	0.00	0.00	0.00	7.06
BADAGADA	Badagada-A	UDPF	24	260.00	6.92	0.00	0.00	0.00	0.00	0.00	24.95
BADAGADA	Badagada-A	UDPF	25	365.00	4.93	0.00	0.00	0.00	0.00	0.00	9.90
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-B	UDPF	1	540.00	5.19	0.00	0.00	0.00	0.00	0.00	11.37
BADAGADA	Badagada-B	UDPF	2	290.00	4.14	0.34	0.00	0.00	0.00	0.00	6.44
BADAGADA	Badagada-B	UDPF	3	465.00	1.94	0.00	0.00	0.00	0.00	0.00	2.19
BADAGADA	Badagada-B	UDPF	4	190.00	8.42	0.00	0.00	0.00	0.00	0.00	41.50
BADAGADA	Badagada-B	UDPF	5	205.00	8.78	0.49	0.00	0.00	0.00	0.00	46.78
BADAGADA	Badagada-B	UDPF	6	555.00	8.65	0.00	0.00	0.00	0.00	0.00	44.41
BADAGADA	Badagada-B	UDPF	7	670.00	7.16	0.00	0.00	0.00	0.00	0.00	27.31
BADAGADA	Badagada-B	UDPF	8	460.00	2.61	0.00	0.00	0.00	0.00	0.00	2.36
BADAGADA	Badagada-B	UDPF	9	140.00	11.43	0.00	0.00	0.00	0.00	0.00	88.28
BADAGADA	Badagada-B	UDPF	10	190.00	25.26	0.00	0.00	0.00	0.00	0.00	536.46
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Goudagotha	DPF	1	237.50	11.79	0.00	0.00	0.00	0.00	0.00	95.11
BADAGADA	Goudagotha	DPF	2	240.00	5.00	0.42	0.00	0.00	0.00	0.00	10.76
BADAGADA	Goudagotha	DPF	3	265.00	3.40	0.00	0.00	0.00	0.00	0.00	3.71
BADAGADA	Goudagotha	DPF	4	430.00	3.72	0.00	0.00	0.00	0.00	0.00	4.62
BADAGADA	Goudagotha	DPF	5	512.50	3.51	0.20	0.00	0.00	0.00	0.00	4.07
BADAGADA	Goudagotha	DPF	6	442.50	2.03	0.00	0.00	0.00	0.00	0.00	2.16
BADAGADA	Goudagotha	DPF	7	380.00	4.74	0.00	0.00	0.00	0.00	0.00	8.85
BADAGADA	Goudagotha	DPF	8	280.00	6.43	0.00	0.00	0.00	0.00	0.00	20.47

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Goudagotha	DPF	9	410.00	2.93	0.00	0.00	0.00	0.00	0.00	2.75
BADAGADA	Goudagotha	DPF	10	370.00	3.24	0.27	0.00	0.00	0.00	0.00	3.54
BADAGADA	Goudagotha	DPF	11	332.50	3.61	0.00	0.00	0.00	0.00	0.00	4.28
BADAGADA	Goudagotha	DPF	12	370.00	5.95	0.27	0.00	0.00	0.00	0.00	16.76
BADAGADA	Goudagotha	DPF	13	330.00	3.64	0.30	0.00	0.00	0.00	0.00	4.62
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Merikote	DPF	1	599.24	2.34	0.00	0.00	0.00	0.00	0.00	2.18
BADAGADA	Merikote	DPF	2	435.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Merikote	DPF	3	555.50	2.16	0.54	0.00	0.00	0.00	0.00	2.91
BADAGADA	Merikote	DPF	4	498.00	1.41	0.00	0.00	0.00	0.00	0.00	2.70
BADAGADA	Merikote	DPF	5	463.00	2.38	0.00	0.00	0.00	0.00	0.00	2.20
BADAGADA	Merikote	DPF	6	560.50	1.43	0.00	0.00	0.00	0.00	0.00	2.67
BADAGADA	Merikote	DPF	7	408.00	2.21	0.00	0.00	0.00	0.00	0.00	2.15
BADAGADA	Merikote	DPF	8	435.50	1.84	0.00	0.00	0.00	0.00	0.00	2.24
BADAGADA	Merikote	DPF	9	503.00	1.79	0.00	0.00	0.00	0.00	0.00	2.28
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Raipada	RF	1	506.65	2.17	0.00	0.00	0.00	0.00	0.00	2.15
BADAGADA	Raipada	RF	2	554.57	2.34	0.00	0.00	0.00	0.00	0.00	2.19
BADAGADA	Raipada	RF	3	489.60	4.49	0.00	0.00	0.00	0.00	0.00	7.65
BADAGADA	Raipada	RF	4	527.15	3.22	0.00	0.00	0.00	0.00	0.00	3.31
BADAGADA	Raipada	RF	5	719.30	1.67	0.56	0.00	0.00	0.00	0.00	3.17
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Srirampalli	PRF	1	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Mahisikhata	UDPF	1	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Mahisikhata	UDPF	2	328.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

Total Block Area:

111680.09

TOTAL: 934.94 105.67 8.50 0.58 1.54 0.00 1051.23

MEAN: 3.15 0.36 0.03 0.00 0.01 0.00 3.54

STDEV: 3.91 1.29 0.17 0.03 0.06 0.00 5.46

Std. Error (mean): 0.23 0.07 0.01 0.00 0.00 0.00 0.32

All Blocks (Tree): 351563.26 39736.48 3195.70 217.17 579.36 0.00 395291.98

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

JAMUN

SORADA	Pondakhol	RF	1	526.00	0.38	0.30	0.00	0.00	0.00	0.00	2.13
SORADA	Pondakhol	RF	2	332.90	0.60	0.48	0.00	0.00	0.00	0.00	2.04
SORADA	Pondakhol	RF	3	441.33	0.23	0.05	0.23	0.09	0.00	0.00	2.59
SORADA	Pondakhol	RF	4	229.51	0.52	0.09	0.26	0.00	0.00	0.00	2.03
SORADA	Pondakhol	RF	5[a]	383.66	0.73	0.31	0.26	0.10	0.05	0.00	2.28
SORADA	Pondakhol	RF	6	313.42	0.06	0.51	0.19	0.00	0.00	0.00	3.32
SORADA	Pondakhol	RF	7	378.14	0.74	0.00	0.11	0.11	0.05	0.00	1.87
SORADA	Pondakhol	RF	8	344.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	9	419.68	0.29	0.43	0.14	0.10	0.05	0.00	2.84
SORADA	Pondakhol	RF	10	240.38	3.33	1.08	0.08	0.25	0.00	0.08	7.79
SORADA	Pondakhol	RF	11	487.22	0.16	0.25	0.00	0.00	0.00	0.00	2.48
SORADA	Pondakhol	RF	12	334.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	13	567.05	0.63	0.39	0.25	0.11	0.11	0.00	2.58
SORADA	Pondakhol	RF	14	618.00	5.37	3.24	1.00	0.13	0.03	0.00	33.42
SORADA	Pondakhol	RF	15	397.54	0.10	0.40	0.10	0.05	0.05	0.00	3.03
SORADA	Pondakhol	RF	16	596.30	2.52	1.17	0.50	0.10	0.00	0.00	5.90
SORADA	Pondakhol	RF	17	340.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	18	569.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	19	282.80	1.56	0.64	0.07	0.42	0.00	0.00	2.90
SORADA	Pondakhol	RF	20	465.08	1.33	3.01	0.47	0.04	0.00	0.00	13.09
SORADA	Pondakhol	RF	21	294.44	0.48	0.14	0.00	0.00	0.00	0.00	1.78
SORADA	Pondakhol	RF	22	321.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	23	520.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	24	175.17	5.02	1.60	0.00	0.00	0.00	0.00	18.81
SORADA	Pondakhol	RF	25	288.94	1.38	0.28	0.00	0.00	0.00	0.00	1.32
SORADA	Pondakhol	RF	26	149.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	27[a]	449.26	0.09	0.04	0.04	0.04	0.00	0.00	2.44

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Pondakhol	RF	28	419.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	29[a]	578.64	7.92	2.83	0.55	0.10	0.00	0.00	56.49
SORADA	Pondakhol	RF	30	563.18	0.39	0.14	0.00	0.00	0.00	0.00	1.92
SORADA	Pondakhol	RF	31	475.59	5.68	4.00	1.22	0.13	0.00	0.00	42.81
SORADA	Pondakhol	RF	32	478.34	2.09	1.46	0.17	0.00	0.00	0.00	5.04
SORADA	Pondakhol	RF	33	346.47	1.21	0.00	0.00	0.00	0.00	0.00	1.27
SORADA	Pondakhol	RF	34	567.05	2.36	0.71	0.04	0.00	0.00	0.00	3.15
SORADA	Pondakhol	RF	35	456.52	0.26	0.22	0.00	0.00	0.00	0.00	2.25
SORADA	Pondakhol	RF	36[a]	286.58	1.74	0.49	0.14	0.00	0.00	0.00	1.96
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[a]	250.90	1.59	0.64	0.08	0.00	0.00	0.00	2.00
SORADA	Dhaugam	RF	2[a]	375.20	2.77	1.71	0.11	0.16	0.00	0.00	7.73
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pondakhol	RF	5[b]	100.82	6.94	5.95	0.00	0.99	0.00	0.00	75.60
SORADA	Pondakhol	RF	27[b]	245.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Pondakhol	RF	29[b]	198.50	1.51	1.01	0.00	0.00	0.00	0.00	2.81
SORADA	Pondakhol	RF	36[b]	301.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[b]	203.06	3.94	0.49	0.00	0.00	0.00	0.00	8.77
SORADA	Dhaugam	RF	2[b]	203.04	5.91	3.45	0.49	0.00	0.00	0.00	37.79
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pipalpanka	RF	1	441.76	1.58	0.91	0.23	0.45	0.00	0.00	3.90
SORADA	Pipalpanka	RF	2	553.13	0.72	0.54	0.00	0.00	0.00	0.00	2.00
SORADA	Pipalpanka	RF	3	606.03	1.49	0.66	0.50	0.17	0.00	0.00	3.21
SORADA	Pipalpanka	RF	4	558.20	4.12	1.25	0.36	0.00	0.00	0.00	12.21
SORADA	Pipalpanka	RF	5	600.22	0.50	0.33	0.17	0.00	0.00	0.00	2.14
SORADA	Pipalpanka	RF	6	637.06	1.26	0.63	0.00	0.00	0.00	0.00	1.87
					0.00	0.00	0.00	0.00	0.00	0.00	

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Mundapita	RF	1	627.36	0.32	0.00	0.00	0.00	0.00	0.00	2.16
SORADA	Mundapita	RF	2	553.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	3	610.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SORADA	Mundapita	RF	4	476.29	2.52	0.00	0.00	0.00	0.00	0.00	2.84
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Hukuma	RF	1	692.91	0.14	0.00	0.00	0.00	0.00	0.00	2.52
SORADA	Hukuma	RF	2	531.01	0.19	0.00	0.00	0.00	0.00	0.00	2.43
SORADA	Hukuma	RF	3	522.48	0.38	0.00	0.00	0.00	0.00	0.00	2.05
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Bondhagocha	RF	1	613.64	0.33	0.00	0.00	0.00	0.00	0.00	2.15
SORADA	Bondhagocha	RF	2	693.69	0.29	0.00	0.00	0.00	0.00	0.00	2.22
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhepaguda	RF	1	334.78	0.90	0.30	1.19	0.60	1.19	0.00	10.01
SORADA	Dhepaguda	RF	2	493.00	2.43	0.81	0.61	0.20	0.00	0.00	5.26
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dabuki	RF	1	506.32	0.59	0.00	0.00	0.00	0.00	0.00	1.72
SORADA	Pankalagam	RF	1	265.59	1.13	0.75	0.38	0.00	0.00	0.00	2.78
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Budurung	RF	1	316.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Chamunda	RF	1	265.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kadapada	RF	1	677.36	3.10	0.00	0.00	0.00	0.00	0.00	4.63
BUGUDA	Kumarsuni Vishnucha	RF	1	1081.95	1.94	0.00	0.00	0.00	0.00	0.00	1.72
BUGUDA	Binodia	RF	1	209.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Tangarai	RF	1	817.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Nagiri	RF	1	449.55	2.67	0.67	0.00	0.00	0.00	0.00	3.91
BUGUDA	Solundi	RF	1	362.75	0.55	1.10	0.00	0.00	0.00	0.00	3.52
BUGUDA	Jhollery	RF	1	914.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Sandasulia	RF	1	848.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BUGUDA	Panchabhuti-C	RF	1	198.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-B	RF	1	354.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kurchuli-A	RF	1	390.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	2	646.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	3	533.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kurchuli-A	RF	4	662.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kriamba-Jadupadi	RF	1	432.88	0.23	0.00	0.00	0.00	0.00	0.00	2.34
BUGUDA	Kriamba-Jadupadi	RF	2	639.53	9.38	0.78	0.16	0.00	0.00	0.00	68.21
BUGUDA	Kriamba-Jadupadi	RF	3	555.56	7.38	2.16	0.72	0.00	0.00	0.00	46.15
BUGUDA	Kriamba-Jadupadi	RF	4	959.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	5	714.56	0.42	0.00	0.00	0.00	0.00	0.00	1.98
BUGUDA	Kriamba-Jadupadi	RF	6	756.83	3.04	0.40	0.26	0.00	0.00	0.00	4.99
BUGUDA	Kriamba-Jadupadi	RF	7	858.22	1.63	0.82	0.00	0.00	0.00	0.00	2.40
BUGUDA	Kriamba-Jadupadi	RF	8	498.73	4.61	2.61	0.60	0.20	0.00	0.00	22.43
BUGUDA	Kriamba-Jadupadi	RF	9	465.24	5.59	0.00	0.00	0.00	0.00	0.00	19.95
BUGUDA	Kriamba-Jadupadi	RF	10	733.69	2.18	0.00	0.00	0.00	0.00	0.00	2.10
BUGUDA	Kriamba-Jadupadi	RF	11	786.82	2.03	0.00	0.00	0.00	0.00	0.00	1.86
BUGUDA	Kriamba-Jadupadi	RF	12	443.23	0.90	0.00	0.00	0.00	0.00	0.00	1.40
BUGUDA	Kriamba-Jadupadi	RF	13	876.22	0.23	0.00	0.00	0.00	0.00	0.00	2.34
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Panchabhuti-A	RF	1	609.28	1.15	0.00	0.00	0.00	0.00	0.00	1.28
BUGUDA	Panchabhuti-A	RF	2	282.83	4.24	0.00	0.00	0.00	0.00	0.00	10.13
BUGUDA	Panchabhuti-A	RF	3	529.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Panchabhuti-A	RF	4	368.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-I	DPF	1	410.00	1.22	0.00	0.00	0.00	0.00	0.00	1.27

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Kansa	DPF	1	181.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badadanda	DPF	1	50.00	4.00	0.00	0.00	0.00	0.00	0.00	8.74
ASKA	Chapudia	DPF	1	260.00	2.69	0.77	0.38	0.00	0.00	0.00	4.85
ASKA	Rasibadi	DPF	1	370.00	0.81	0.00	0.00	0.00	0.00	0.00	1.47
ASKA	Bhumi dimiripalli	PRF	1	15.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badua	PRF	1	80.00	2.50	0.00	0.00	0.00	0.00	0.00	2.79
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-II	DPF	1	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	2	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	3	300.00	3.00	0.33	0.00	0.00	0.00	0.00	4.39
ASKA	Malijhar-II	DPF	4	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Malijhar-II	DPF	5	345.00	1.16	0.00	0.00	0.00	0.00	0.00	1.28
ASKA	Malijhar-II	DPF	6	215.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Ambadaban	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Ambadaban	DPF	2	470.00	2.34	1.28	0.64	0.00	0.00	0.00	6.04
ASKA	Ambadaban	DPF	3	140.00	5.00	0.00	0.00	0.00	0.00	0.00	15.21
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Pakadi	DPF	1	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	2	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	3	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	4	340.00	0.59	0.00	0.00	0.00	0.00	0.00	1.73
ASKA	Pakadi	DPF	5	220.00	0.91	0.45	0.45	0.00	0.00	0.00	2.52
ASKA	Pakadi	DPF	6	270.00	1.11	1.11	0.37	0.00	0.00	0.00	3.68
ASKA	Pakadi	DPF	7	130.00	1.54	0.00	0.00	0.00	0.00	0.00	1.34
ASKA	Pakadi	DPF	8	130.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Pakadi	DPF	9	140.00	1.43	0.00	0.00	0.00	0.00	0.00	1.29
ASKA	Pakadi	DPF	10	110.00	1.82	0.91	0.00	0.00	0.00	0.00	2.80

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gadagada	DPF	1	190.00	0.53	0.00	0.00	0.00	0.00	0.00	1.81
ASKA	Gadagada	DPF	2	155.00	1.29	0.00	0.00	0.00	0.00	0.00	1.27
ASKA	Gadagada	DPF	3	130.00	1.54	0.00	0.00	0.00	0.00	0.00	1.34
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Chemidi	DPF	1	345.00	0.58	0.29	0.00	0.00	0.00	0.00	1.79
ASKA	Chemidi	DPF	2	115.00	3.48	0.00	0.00	0.00	0.00	0.00	6.16
ASKA	Chemidi	DPF	3	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Chemidi	DPF	4	180.00	1.11	0.56	0.00	0.00	0.00	0.00	1.75
ASKA	Chemidi	DPF	5	70.00	2.86	0.00	0.00	0.00	0.00	0.00	3.80
ASKA	Chemidi	DPF	6	230.00	0.43	0.00	0.00	0.00	0.00	0.00	1.96
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Machakhai	DPF	1	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Machakhai	DPF	2	165.00	0.61	0.00	0.00	0.00	0.00	0.00	1.70
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Hatimunda	DPF	1	175.00	1.71	0.00	0.00	0.00	0.00	0.00	1.47
ASKA	Hatimunda	DPF	2	180.00	0.56	0.00	0.00	0.00	0.00	0.00	1.77
ASKA	Hatimunda	DPF	3	90.00	1.11	0.00	0.00	0.00	0.00	0.00	1.29
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Suliaguda	DPF	1	265.00	5.66	1.13	0.75	0.00	0.00	0.00	24.11
ASKA	Suliaguda	DPF	2	195.00	4.10	1.03	0.51	0.00	0.00	0.00	11.83
ASKA	Suliaguda	DPF	3	235.00	2.98	1.28	0.43	0.00	0.00	0.00	7.24
ASKA	Suliaguda	DPF	4	180.00	6.11	0.00	0.00	0.00	0.00	0.00	24.74
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gouduni	PRF	1	142.33	1.41	0.00	0.00	0.00	0.00	0.00	1.29
ASKA	Gouduni	PRF	2	157.00	1.27	0.00	0.00	0.00	0.00	0.00	1.27
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Badagada-C	UDPF	1	340.00	3.24	0.29	0.00	0.00	0.00	0.00	5.21

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	2	305.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	3	165.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	4	315.00	3.81	0.63	0.32	0.00	0.00	0.00	8.84
ASKA	Badagada-C	UDPF	5	310.00	2.26	0.32	0.00	0.00	0.00	0.00	2.35
ASKA	Badagada-C	UDPF	6	275.00	3.64	1.09	0.00	0.00	0.00	0.00	8.60
ASKA	Badagada-C	UDPF	7	700.00	2.00	0.00	0.00	0.00	0.00	0.00	1.80
ASKA	Badagada-C	UDPF	8	325.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	9	455.00	4.84	0.22	0.00	0.00	0.00	0.00	13.98
ASKA	Badagada-C	UDPF	10	485.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	11	440.00	2.73	1.14	0.45	0.00	0.00	0.00	6.08
ASKA	Badagada-C	UDPF	12	460.00	2.39	0.00	0.00	0.00	0.00	0.00	2.53
ASKA	Badagada-C	UDPF	13	575.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	14	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	15	320.00	4.38	0.94	0.31	0.00	0.00	0.00	12.71
ASKA	Badagada-C	UDPF	16	385.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	17	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	18	395.00	4.56	0.00	0.00	0.00	0.00	0.00	12.10
ASKA	Badagada-C	UDPF	19	465.00	2.80	0.43	0.00	0.00	0.00	0.00	3.86
ASKA	Badagada-C	UDPF	20	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	21	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	22	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	23	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	24	150.00	3.33	2.67	2.00	0.00	0.00	0.00	21.46
ASKA	Badagada-C	UDPF	25	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	26	265.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Badagada-C	UDPF	27	355.00	4.51	0.85	0.00	0.00	0.00	0.00	12.84
ASKA	Badagada-C	UDPF	28	200.00	6.00	0.00	0.00	0.00	0.00	0.00	23.68
ASKA	Badagada-C	UDPF	29	210.00	3.81	3.33	0.95	0.00	0.00	0.00	23.27

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	30	240.00	15.42	1.67	1.25	0.00	0.00	0.00	208.72
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Kantakhhol	DPF	1	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASKA	Kantakhhol	DPF	2	120.00	2.50	1.67	0.83	0.00	0.00	0.00	8.44
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Pandaripada	DPF	1	185.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	2	415.00	1.93	0.00	0.00	0.00	0.00	0.00	1.70
POLOSARA	Pandaripada	DPF	3	360.00	2.22	0.00	0.00	0.00	0.00	0.00	2.18
POLOSARA	Pandaripada	DPF	4	375.00	2.40	0.00	0.00	0.00	0.00	0.00	2.55
POLOSARA	Pandaripada	DPF	5	360.00	1.94	0.00	0.00	0.00	0.00	0.00	1.73
POLOSARA	Pandaripada	DPF	6	800.00	0.50	0.00	0.00	0.00	0.00	0.00	1.85
POLOSARA	Pandaripada	DPF	7	440.00	5.45	1.36	0.68	0.00	0.00	0.00	22.85
POLOSARA	Pandaripada	DPF	8	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	9	345.00	4.93	1.74	0.29	0.00	0.00	0.00	19.10
POLOSARA	Pandaripada	DPF	10	305.00	19.67	1.64	0.33	0.00	0.00	0.00	344.16
POLOSARA	Pandaripada	DPF	11	510.00	0.20	0.00	0.00	0.00	0.00	0.00	2.41
POLOSARA	Pandaripada	DPF	12	495.00	0.61	0.00	0.00	0.00	0.00	0.00	1.70
POLOSARA	Pandaripada	DPF	13	170.00	13.53	1.76	1.18	0.00	0.00	0.00	158.97
POLOSARA	Pandaripada	DPF	14	375.00	2.13	0.00	0.00	0.00	0.00	0.00	2.02
POLOSARA	Pandaripada	DPF	15	410.00	4.39	0.00	0.00	0.00	0.00	0.00	11.03
POLOSARA	Pandaripada	DPF	16	565.00	2.12	0.53	0.00	0.00	0.00	0.00	2.42
POLOSARA	Pandaripada	DPF	17	270.00	0.74	1.48	0.00	0.00	0.00	0.00	4.53
POLOSARA	Pandaripada	DPF	18	365.00	0.55	0.00	0.00	0.00	0.00	0.00	1.78
POLOSARA	Pandaripada	DPF	19	330.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	20	260.00	3.08	0.00	0.00	0.00	0.00	0.00	4.55
POLOSARA	Pandaripada	DPF	21	110.00	13.64	11.82	2.73	0.91	0.00	0.00	316.23
POLOSARA	Pandaripada	DPF	22	470.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	23	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Pandaripada	DPF	24	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	25	280.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	26	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	27	325.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	28	500.00	2.40	0.00	0.00	0.00	0.00	0.00	2.55
POLOSARA	Pandaripada	DPF	29	375.00	3.20	0.00	0.00	0.00	0.00	0.00	5.01
POLOSARA	Pandaripada	DPF	30	225.00	3.11	0.00	0.00	0.00	0.00	0.00	4.67
POLOSARA	Pandaripada	DPF	31	200.00	6.00	0.00	0.00	0.00	0.00	0.00	23.68
POLOSARA	Pandaripada	DPF	32	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	33	355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	34	335.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	35	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	36	475.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	37	385.00	5.45	0.00	0.00	0.00	0.00	0.00	18.81
POLOSARA	Pandaripada	DPF	38	125.00	9.60	2.40	0.00	0.00	0.00	0.00	77.90
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Bhalukhai	DPF	1	13.20	0.00	15.15	0.00	0.00	0.00	0.00	239.73
POLOSARA	Sodaka-A	DPF	1	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Sodaka-B	DPF	1	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Kakudia	DPF	1	85.02	24.70	0.00	0.00	0.00	0.00	0.00	550.42
POLOSARA	Jokalundi	PRF	1	390.00	0.51	0.00	0.00	0.00	0.00	0.00	1.83
POLOSARA	Paikajamuna	DPF	1	335.48	1.49	1.79	0.00	0.00	0.30	0.00	6.19
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Purunapani Daburia	PRF	1	320.00	0.00	1.88	0.00	0.00	0.00	0.00	4.58
POLOSARA	Purunapani Daburia	PRF	2	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Purunapani Daburia	PRF	3	345.00	0.87	0.58	0.00	0.00	0.00	0.00	1.93
POLOSARA	Purunapani Daburia	PRF	4	470.00	0.43	0.00	0.21	0.00	0.00	0.00	2.24
POLOSARA	Purunapani Daburia	PRF	5	325.00	0.62	0.31	0.62	0.31	0.00	0.00	3.68

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Purunapani Daburia	PRF	6	380.00	0.26	0.00	0.00	0.00	0.00	0.00	2.27
POLOSARA	Purunapani Daburia	PRF	7	240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Purunapani Daburia	PRF	8	170.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Khaladimal	PRF	1	400.00	1.75	0.00	0.50	0.00	0.00	0.00	2.45
POLOSARA	Khaladimal	PRF	2	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Khaladimal	PRF	3	125.00	3.20	2.40	0.00	0.00	0.00	0.00	12.19
POLOSARA	Khaladimal	PRF	4	135.00	2.22	2.22	0.00	0.00	0.00	0.00	8.42
POLOSARA	Khaladimal	PRF	5	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Khaladimal	PRF	6	150.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-A	UDPF	1	205.00	6.34	1.46	0.00	0.00	0.00	0.00	29.95
BADAGADA	Badagada-A	UDPF	2	100.00	8.00	4.00	0.00	1.00	0.00	0.00	68.00
BADAGADA	Badagada-A	UDPF	3	395.00	2.28	1.52	0.00	0.00	0.00	0.00	5.41
BADAGADA	Badagada-A	UDPF	4	380.00	1.05	0.00	0.00	0.00	0.00	0.00	1.31
BADAGADA	Badagada-A	UDPF	5	345.00	6.38	2.03	0.00	0.00	0.00	0.00	32.67
BADAGADA	Badagada-A	UDPF	6	285.00	9.82	4.21	0.70	0.35	0.00	0.00	97.19
BADAGADA	Badagada-A	UDPF	7	340.00	1.18	0.59	0.00	0.00	0.00	0.00	1.80
BADAGADA	Badagada-A	UDPF	8	355.00	7.89	3.38	0.56	0.28	0.00	0.00	60.33
BADAGADA	Badagada-A	UDPF	9	430.00	4.88	0.00	0.00	0.00	0.00	0.00	14.35
BADAGADA	Badagada-A	UDPF	10	220.00	7.27	0.00	0.00	0.00	0.00	0.00	37.35
BADAGADA	Badagada-A	UDPF	11	250.00	4.80	0.00	0.00	0.00	0.00	0.00	13.76
BADAGADA	Badagada-A	UDPF	12	375.00	2.13	0.80	0.53	0.00	0.00	0.00	4.02
BADAGADA	Badagada-A	UDPF	13	270.00	7.04	1.11	0.74	0.37	0.00	0.00	38.80
BADAGADA	Badagada-A	UDPF	14	355.00	4.51	0.85	1.69	0.00	0.00	0.00	18.39
BADAGADA	Badagada-A	UDPF	15	655.00	4.27	1.83	0.31	0.15	0.00	0.00	15.45
BADAGADA	Badagada-A	UDPF	16	530.00	1.32	0.38	0.00	0.00	0.00	0.00	1.44
BADAGADA	Badagada-A	UDPF	17	315.00	1.27	0.00	0.00	0.00	0.00	0.00	1.27

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Badagada-A	UDPF	18	435.00	3.22	0.69	0.00	0.00	0.00	0.00	5.80
BADAGADA	Badagada-A	UDPF	19	345.00	6.38	2.03	0.00	0.00	0.00	0.00	32.67
BADAGADA	Badagada-A	UDPF	20	820.00	1.10	0.73	0.00	0.00	0.00	0.00	2.11
BADAGADA	Badagada-A	UDPF	21	535.00	2.43	0.56	0.00	0.00	0.00	0.00	3.09
BADAGADA	Badagada-A	UDPF	22	295.00	2.71	1.36	0.00	0.34	0.00	0.00	6.62
BADAGADA	Badagada-A	UDPF	23	275.00	2.91	0.36	0.73	0.00	0.00	0.00	5.73
BADAGADA	Badagada-A	UDPF	24	260.00	1.54	0.38	0.00	0.00	0.00	0.00	1.53
BADAGADA	Badagada-A	UDPF	25	365.00	3.56	1.64	0.27	0.00	0.00	0.00	10.54
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-B	UDPF	1	540.00	4.81	2.78	0.74	0.56	0.00	0.00	26.24
BADAGADA	Badagada-B	UDPF	2	290.00	4.83	1.03	0.00	0.00	0.00	0.00	15.51
BADAGADA	Badagada-B	UDPF	3	465.00	1.51	0.43	0.00	0.00	0.00	0.00	1.58
BADAGADA	Badagada-B	UDPF	4	190.00	6.32	1.58	1.58	0.53	0.00	0.00	36.36
BADAGADA	Badagada-B	UDPF	5	205.00	6.34	0.00	0.00	0.00	0.00	0.00	27.03
BADAGADA	Badagada-B	UDPF	6	555.00	5.59	1.44	0.72	0.18	0.00	0.00	24.69
BADAGADA	Badagada-B	UDPF	7	670.00	11.19	5.52	1.94	0.00	0.00	0.00	140.77
BADAGADA	Badagada-B	UDPF	8	460.00	1.74	0.87	0.00	0.22	0.00	0.00	3.04
BADAGADA	Badagada-B	UDPF	9	140.00	8.57	2.14	2.14	0.71	0.00	0.00	70.35
BADAGADA	Badagada-B	UDPF	10	190.00	16.32	4.21	2.11	0.53	0.00	0.00	257.21
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Goudagotha	DPF	1	237.50	10.95	6.32	1.68	1.26	0.00	0.00	148.48
BADAGADA	Goudagotha	DPF	2	240.00	5.83	1.25	0.00	0.00	0.00	0.00	24.32
BADAGADA	Goudagotha	DPF	3	265.00	2.64	0.75	0.00	0.00	0.00	0.00	4.02
BADAGADA	Goudagotha	DPF	4	430.00	2.79	0.70	0.70	0.23	0.00	0.00	6.30
BADAGADA	Goudagotha	DPF	5	512.50	2.54	0.00	0.00	0.00	0.00	0.00	2.88
BADAGADA	Goudagotha	DPF	6	442.50	1.58	0.45	0.00	0.00	0.00	0.00	1.65
BADAGADA	Goudagotha	DPF	7	380.00	3.42	1.58	0.26	0.00	0.00	0.00	9.63
BADAGADA	Goudagotha	DPF	8	280.00	1.43	0.36	0.00	0.00	0.00	0.00	1.44

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Goudagotha	DPF	9	410.00	1.95	0.24	0.49	0.00	0.00	0.00	2.65
BADAGADA	Goudagotha	DPF	10	370.00	3.51	0.81	0.00	0.00	0.00	0.00	7.31
BADAGADA	Goudagotha	DPF	11	332.50	2.41	1.20	0.00	0.30	0.00	0.00	5.24
BADAGADA	Goudagotha	DPF	12	370.00	2.43	1.62	0.00	0.00	0.00	0.00	6.14
BADAGADA	Goudagotha	DPF	13	330.00	1.21	0.00	0.00	0.00	0.00	0.00	1.27
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Merikote	DPF	1	599.24	3.67	1.17	0.00	0.00	0.00	0.00	8.99
BADAGADA	Merikote	DPF	2	435.50	6.43	2.76	0.46	0.23	0.00	0.00	38.48
BADAGADA	Merikote	DPF	3	555.50	0.72	0.36	0.00	0.00	0.00	0.00	1.72
BADAGADA	Merikote	DPF	4	498.00	4.22	0.00	0.00	0.00	0.00	0.00	9.97
BADAGADA	Merikote	DPF	5	463.00	3.46	0.00	0.00	0.00	0.00	0.00	6.06
BADAGADA	Merikote	DPF	6	560.50	2.14	0.00	0.00	0.00	0.00	0.00	2.03
BADAGADA	Merikote	DPF	7	408.00	1.96	0.74	0.49	0.00	0.00	0.00	3.49
BADAGADA	Merikote	DPF	8	435.50	4.36	0.69	0.46	0.23	0.00	0.00	12.87
BADAGADA	Merikote	DPF	9	503.00	3.18	0.60	1.19	0.00	0.00	0.00	8.75
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Raipada	RF	1	506.65	3.16	0.00	0.00	0.00	0.00	0.00	4.85
BADAGADA	Raipada	RF	2	554.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	3	489.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	4	527.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Raipada	RF	5	719.30	0.00	0.00	0.14	0.00	0.00	0.00	0.12
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Srirampalli	PRF	1	410.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Mahisikhata	UDPF	1	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BADAGADA	Mahisikhata	UDPF	2	328.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

Total Block Area:

111680.09

TOTAL: 672.99 195.16 48.51 13.23 1.83 0.08 931.81

MEAN: 2.27 0.66 0.16 0.04 0.01 0.00 3.14

STDEV: 2.94 1.38 0.37 0.15 0.07 0.00 4.92

Std. Error (mean): 0.17 0.08 0.02 0.01 0.00 0.00 0.29

All Blocks (Tree): 253063.54 73385.61 18239.83 4975.18 689.65 31.29 350385.10

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

MISC.

SORADA	Pondakhol	RF	1	526.00	60.65	21.10	8.44	2.17	1.60	0.34	625.42
SORADA	Pondakhol	RF	2	332.90	95.82	33.34	13.34	3.42	2.52	0.54	3802.44
SORADA	Pondakhol	RF	3	441.33	122.86	37.02	13.37	5.80	1.50	0.77	7741.15
SORADA	Pondakhol	RF	4	229.51	66.66	38.08	14.64	3.22	0.35	0.61	1657.81
SORADA	Pondakhol	RF	5[a]	383.66	74.91	36.65	9.33	3.49	0.83	0.68	1987.74
SORADA	Pondakhol	RF	6	313.42	32.35	16.65	9.38	2.68	1.02	0.64	206.59
SORADA	Pondakhol	RF	7	378.14	45.06	22.21	5.34	2.54	0.85	0.69	222.28
SORADA	Pondakhol	RF	8	344.37	45.53	19.63	2.73	3.66	1.45	0.52	175.44
SORADA	Pondakhol	RF	9	419.68	46.27	16.68	8.15	1.95	0.76	0.52	164.41
SORADA	Pondakhol	RF	10	240.38	58.41	30.53	12.98	3.08	0.33	0.67	896.21
SORADA	Pondakhol	RF	11	487.22	62.35	27.09	8.50	3.16	0.66	0.16	858.06
SORADA	Pondakhol	RF	12	334.67	70.76	31.19	9.26	3.76	1.49	0.54	1469.09
SORADA	Pondakhol	RF	13	567.05	26.63	9.73	3.46	1.23	0.18	0.14	239.76
SORADA	Pondakhol	RF	14	618.00	68.96	35.02	14.43	2.56	0.55	0.52	1620.00
SORADA	Pondakhol	RF	15	397.54	68.02	33.61	8.30	4.18	1.01	0.35	1400.70
SORADA	Pondakhol	RF	16	596.30	73.75	39.34	14.25	3.99	1.14	0.30	2152.71
SORADA	Pondakhol	RF	17	340.33	83.80	46.90	22.04	4.88	2.59	0.18	3677.65
SORADA	Pondakhol	RF	18	569.36	67.37	26.28	9.91	3.62	1.51	0.35	1106.84
SORADA	Pondakhol	RF	19	282.80	87.48	34.09	8.98	2.33	1.56	0.50	2886.94
SORADA	Pondakhol	RF	20	465.08	47.95	18.32	5.38	3.14	0.13	0.04	188.41
SORADA	Pondakhol	RF	21	294.44	71.87	27.65	7.06	2.92	0.48	0.20	1372.12
SORADA	Pondakhol	RF	22	321.75	74.53	25.11	8.14	2.18	0.31	0.00	1477.72
SORADA	Pondakhol	RF	23	520.35	68.18	29.06	8.76	3.38	0.31	0.04	1222.63
SORADA	Pondakhol	RF	24	175.17	84.03	32.65	11.65	1.60	0.69	0.23	2544.60
SORADA	Pondakhol	RF	25	288.94	79.26	40.84	13.50	6.64	0.55	0.00	2648.97
SORADA	Pondakhol	RF	26	149.20	91.42	43.57	9.92	0.94	0.54	0.13	3808.38
SORADA	Pondakhol	RF	27[a]	449.26	50.22	22.97	12.60	7.88	3.07	0.13	482.16

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Pondakhhol	RF	28	419.35	79.74	31.62	5.77	2.10	0.24	0.24	2067.27
SORADA	Pondakhhol	RF	29[a]	578.64	73.14	32.42	7.92	2.73	0.55	0.07	1644.25
SORADA	Pondakhhol	RF	30	563.18	91.66	40.06	9.62	6.57	1.95	0.25	3660.21
SORADA	Pondakhhol	RF	31	475.59	63.04	34.99	11.31	5.59	0.71	0.00	1270.15
SORADA	Pondakhhol	RF	32	478.34	61.13	31.48	9.37	6.19	2.84	0.21	1016.27
SORADA	Pondakhhol	RF	33	346.47	78.85	29.44	9.41	4.21	2.19	1.10	1972.80
SORADA	Pondakhhol	RF	34	567.05	70.51	32.31	11.29	4.80	0.99	0.07	1539.04
SORADA	Pondakhhol	RF	35	456.52	98.31	32.73	8.19	2.10	0.44	0.44	3954.23
SORADA	Pondakhhol	RF	36[a]	286.58	82.98	28.75	5.86	1.47	0.42	0.07	2222.73
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[a]	250.90	73.10	28.46	7.25	1.12	0.48	0.08	1473.90
SORADA	Dhaugam	RF	2[a]	375.20	76.39	29.74	14.23	4.10	1.71	0.21	1887.21
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pondakhhol	RF	5[b]	100.82	87.28	12.89	5.95	1.98	0.99	0.00	2302.58
SORADA	Pondakhhol	RF	27[b]	245.62	25.24	37.46	11.40	5.29	0.81	0.00	1088.34
SORADA	Pondakhhol	RF	29[b]	198.50	125.44	47.36	27.20	7.05	0.00	0.00	9331.20
SORADA	Pondakhhol	RF	36[b]	301.19	88.98	41.17	11.95	7.30	5.98	0.00	3543.88
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhaugam	RF	1[b]	203.06	245.74	122.13	31.03	5.91	1.97	0.00	55560.87
SORADA	Dhaugam	RF	2[b]	203.04	188.63	53.68	14.28	0.99	0.99	0.49	24084.74
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Pipalpanka	RF	1	441.76	26.94	6.34	2.72	1.58	0.45	0.00	251.75
SORADA	Pipalpanka	RF	2	553.13	18.80	8.50	2.17	0.54	0.18	0.00	513.73
SORADA	Pipalpanka	RF	3	606.03	14.36	4.79	1.49	0.66	0.33	0.17	756.39
SORADA	Pipalpanka	RF	4	558.20	29.92	21.14	9.32	0.72	0.00	0.00	310.73
SORADA	Pipalpanka	RF	5	600.22	17.83	10.50	6.16	2.17	0.50	0.17	570.97
SORADA	Pipalpanka	RF	6	637.06	30.14	16.17	12.24	4.24	0.47	0.00	298.40
					0.00	0.00	0.00	0.00	0.00	0.00	

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
SORADA	Mundapita	RF	1	627.36	3.51	0.00	0.00	0.00	0.00	0.00	1379.59
SORADA	Mundapita	RF	2	553.98	28.34	8.48	1.08	0.00	0.00	0.00	199.38
SORADA	Mundapita	RF	3	610.52	15.72	4.59	1.31	0.00	0.00	0.00	689.69
SORADA	Mundapita	RF	4	476.29	22.89	3.57	1.26	0.00	0.00	0.00	405.94
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Hukuma	RF	1	692.91	4.33	0.58	0.14	0.00	0.00	0.00	1446.13
SORADA	Hukuma	RF	2	531.01	2.45	0.38	0.00	0.00	0.00	0.00	1581.89
SORADA	Hukuma	RF	3	522.48	4.78	0.96	0.00	0.00	0.00	0.00	1399.38
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Bondhagocha	RF	1	613.64	24.93	16.95	9.29	4.73	1.14	0.16	394.02
SORADA	Bondhagocha	RF	2	693.69	22.06	14.99	8.22	4.18	1.01	0.14	450.81
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dhepaguda	RF	1	334.78	50.48	26.29	9.56	4.78	2.69	0.00	481.95
SORADA	Dhepaguda	RF	2	493.00	33.87	16.43	2.64	1.22	1.42	0.81	127.78
					0.00	0.00	0.00	0.00	0.00	0.00	
SORADA	Dabuki	RF	1	506.32	6.72	0.99	0.00	0.00	0.00	0.00	1266.13
SORADA	Pankalagam	RF	1	265.59	40.29	23.72	13.93	4.89	1.13	0.38	379.22
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Budurung	RF	1	316.11	64.85	6.64	0.00	0.00	0.00	0.00	682.33
BUGUDA	Chamunda	RF	1	265.59	42.92	1.51	0.38	0.00	0.00	0.00	154.73
BUGUDA	Kadapada	RF	1	677.36	29.38	1.62	0.30	0.00	0.00	0.00	259.94
BUGUDA	Kumarsuni Vishnucha	RF	1	1081.95	18.39	1.02	0.18	0.00	0.00	0.00	628.52
BUGUDA	Binodia	RF	1	209.96	54.30	1.91	0.48	0.00	0.00	0.00	340.38
BUGUDA	Tangarai	RF	1	817.49	25.08	2.57	0.00	0.00	0.00	0.00	347.93
BUGUDA	Nagiri	RF	1	449.55	47.60	7.56	0.89	0.00	0.00	0.00	123.12
BUGUDA	Solundi	RF	1	362.75	45.21	14.89	0.83	0.55	0.55	0.28	97.88
BUGUDA	Jhollery	RF	1	914.98	20.22	1.97	0.66	0.00	0.00	0.00	532.77
BUGUDA	Sandasulia	RF	1	848.34	35.01	4.48	0.24	0.00	0.00	0.00	125.73

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BUGUDA	Panchabhuti-C	RF	1	198.38	0.00	0.00	0.00	2.52	0.00	0.00	6.49
BUGUDA	Kurchuli-B	RF	1	354.66	11.84	3.67	3.38	0.56	0.56	0.00	908.27
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kurchuli-A	RF	1	390.76	10.75	2.56	1.02	0.26	0.00	0.00	987.84
BUGUDA	Kurchuli-A	RF	2	646.22	0.00	0.46	1.24	0.15	0.31	0.00	125.32
BUGUDA	Kurchuli-A	RF	3	533.09	11.63	3.56	1.50	1.50	0.00	0.38	922.61
BUGUDA	Kurchuli-A	RF	4	662.32	24.16	3.93	0.60	0.45	0.00	0.30	360.79
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Kriamba-Jadupadi	RF	1	432.88	74.85	16.86	0.92	0.23	0.46	0.46	1297.57
BUGUDA	Kriamba-Jadupadi	RF	2	639.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	3	555.56	18.90	2.70	0.36	0.00	0.00	0.18	575.49
BUGUDA	Kriamba-Jadupadi	RF	4	959.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	5	714.56	40.16	6.16	1.26	0.56	0.00	0.00	77.99
BUGUDA	Kriamba-Jadupadi	RF	6	756.83	59.85	27.75	3.17	0.40	0.13	0.00	725.06
BUGUDA	Kriamba-Jadupadi	RF	7	858.22	44.04	10.25	0.82	0.23	0.23	0.12	71.68
BUGUDA	Kriamba-Jadupadi	RF	8	498.73	160.01	48.72	7.42	3.81	0.60	1.00	15896.62
BUGUDA	Kriamba-Jadupadi	RF	9	465.24	81.03	27.94	0.86	0.00	0.00	0.00	2017.61
BUGUDA	Kriamba-Jadupadi	RF	10	733.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	11	786.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	12	443.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BUGUDA	Kriamba-Jadupadi	RF	13	876.22	52.04	7.87	1.60	0.11	0.11	0.00	205.84
					0.00	0.00	0.00	0.00	0.00	0.00	
BUGUDA	Panchabhuti-A	RF	1	609.28	6.24	1.15	0.00	0.00	0.00	0.00	1295.10
BUGUDA	Panchabhuti-A	RF	2	282.83	18.74	4.24	0.00	0.00	0.00	0.00	553.19
BUGUDA	Panchabhuti-A	RF	3	529.89	0.38	0.00	0.19	0.19	0.00	0.00	1624.89
BUGUDA	Panchabhuti-A	RF	4	368.28	10.86	0.81	0.54	0.00	0.00	0.00	1015.03
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-I	DPF	1	410.00	19.27	1.95	0.00	0.00	0.00	0.00	567.04

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Kansa	DPF	1	181.53	38.56	6.61	0.00	0.00	0.00	0.00	72.69
ASKA	Badadanda	DPF	1	50.00	52.00	0.00	0.00	0.00	0.00	0.00	181.58
ASKA	Chapudia	DPF	1	260.00	15.38	0.00	0.00	0.00	0.00	0.00	651.24
ASKA	Rasibadi	DPF	1	370.00	11.35	5.68	0.00	0.00	0.00	0.00	906.18
ASKA	Bhumi dimiripalli	PRF	1	15.89	163.62	6.29	0.00	0.00	0.00	0.00	15330.16
ASKA	Badua	PRF	1	80.00	13.75	3.75	0.00	0.00	0.00	0.00	798.18
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Malijhar-II	DPF	1	355.00	3.66	1.41	0.00	0.00	0.00	0.00	1471.10
ASKA	Malijhar-II	DPF	2	260.00	10.38	1.15	0.00	0.00	0.00	0.00	1031.24
ASKA	Malijhar-II	DPF	3	300.00	14.67	1.67	0.00	0.00	0.00	0.00	785.22
ASKA	Malijhar-II	DPF	4	260.00	32.31	4.23	0.00	0.00	0.00	0.00	157.63
ASKA	Malijhar-II	DPF	5	345.00	13.04	3.19	1.74	0.00	0.00	0.00	846.85
ASKA	Malijhar-II	DPF	6	215.00	20.47	0.00	0.00	0.00	0.00	0.00	425.86
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Ambadaban	DPF	1	175.00	9.14	0.00	0.00	0.00	0.00	0.00	998.81
ASKA	Ambadaban	DPF	2	470.00	12.34	2.34	0.00	0.00	0.00	0.00	896.87
ASKA	Ambadaban	DPF	3	140.00	11.43	0.00	0.00	0.00	0.00	0.00	862.49
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Pakadi	DPF	1	250.00	27.20	0.00	0.00	0.00	0.00	0.00	206.66
ASKA	Pakadi	DPF	2	240.00	12.92	0.00	0.00	0.00	0.00	0.00	779.35
ASKA	Pakadi	DPF	3	140.00	30.00	12.86	0.00	0.00	0.00	0.00	156.70
ASKA	Pakadi	DPF	4	340.00	13.82	6.76	0.00	0.00	0.00	0.00	759.73
ASKA	Pakadi	DPF	5	220.00	17.27	14.09	0.00	0.00	0.00	0.00	582.05
ASKA	Pakadi	DPF	6	270.00	18.52	11.11	0.00	0.00	0.00	0.00	517.12
ASKA	Pakadi	DPF	7	130.00	9.23	0.00	0.00	0.00	0.00	0.00	993.37
ASKA	Pakadi	DPF	8	130.00	4.62	0.00	0.00	0.00	0.00	0.00	1299.67
ASKA	Pakadi	DPF	9	140.00	19.29	23.57	0.00	0.00	0.00	0.00	642.80
ASKA	Pakadi	DPF	10	110.00	12.73	43.64	0.00	0.00	0.00	0.00	1866.30

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gadagada	DPF	1	190.00	14.21	0.00	0.00	0.00	0.00	0.00	710.67
ASKA	Gadagada	DPF	2	155.00	14.19	0.00	0.00	0.00	0.00	0.00	711.55
ASKA	Gadagada	DPF	3	130.00	32.31	3.08	0.00	0.00	0.00	0.00	174.56
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Chemidi	DPF	1	345.00	15.94	2.90	0.00	0.00	0.00	0.00	700.50
ASKA	Chemidi	DPF	2	115.00	60.87	0.00	0.00	0.00	0.00	0.00	471.24
ASKA	Chemidi	DPF	3	355.00	16.34	0.56	0.00	0.00	0.00	0.00	724.77
ASKA	Chemidi	DPF	4	180.00	18.89	0.00	0.00	0.00	0.00	0.00	490.26
ASKA	Chemidi	DPF	5	70.00	48.57	0.00	0.00	0.00	0.00	0.00	111.77
ASKA	Chemidi	DPF	6	230.00	16.09	0.00	0.00	0.00	0.00	0.00	617.01
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Machakhai	DPF	1	175.00	34.29	1.14	0.00	0.00	0.00	0.00	181.99
ASKA	Machakhai	DPF	2	165.00	20.00	1.82	0.00	0.00	0.00	0.00	539.51
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Hatimunda	DPF	1	175.00	19.43	2.86	0.00	0.00	0.00	0.00	544.83
ASKA	Hatimunda	DPF	2	180.00	16.67	2.22	0.56	0.00	0.00	0.00	682.47
ASKA	Hatimunda	DPF	3	90.00	14.44	2.22	0.00	0.00	0.00	0.00	786.52
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Suliaguda	DPF	1	265.00	35.09	8.30	0.00	0.00	0.00	0.00	83.45
ASKA	Suliaguda	DPF	2	195.00	26.67	17.44	1.03	0.00	0.00	0.00	276.93
ASKA	Suliaguda	DPF	3	235.00	16.60	0.00	0.00	0.00	0.00	0.00	592.83
ASKA	Suliaguda	DPF	4	180.00	37.78	4.44	0.00	0.00	0.00	0.00	99.39
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Gouduni	PRF	1	142.33	17.56	3.51	0.00	0.00	0.00	0.00	615.14
ASKA	Gouduni	PRF	2	157.00	14.01	0.00	0.00	0.00	0.00	0.00	720.95
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Badagada-C	UDPF	1	340.00	35.29	6.47	2.06	0.00	0.00	0.00	96.97

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	2	305.00	12.13	1.97	0.66	0.00	0.00	0.00	919.87
ASKA	Badagada-C	UDPF	3	165.00	38.79	10.91	3.64	0.00	0.00	0.00	57.04
ASKA	Badagada-C	UDPF	4	315.00	17.78	4.44	0.00	0.00	0.00	0.00	592.51
ASKA	Badagada-C	UDPF	5	310.00	24.84	7.10	1.61	0.00	0.00	0.00	301.98
ASKA	Badagada-C	UDPF	6	275.00	57.45	24.36	2.91	0.73	0.00	0.00	534.10
ASKA	Badagada-C	UDPF	7	700.00	11.86	1.86	0.29	0.00	0.00	0.00	938.58
ASKA	Badagada-C	UDPF	8	325.00	25.85	1.85	0.62	0.00	0.00	0.00	342.96
ASKA	Badagada-C	UDPF	9	455.00	22.64	1.76	0.22	0.00	0.00	0.00	447.82
ASKA	Badagada-C	UDPF	10	485.00	19.59	4.12	0.00	0.62	1.03	0.00	521.77
ASKA	Badagada-C	UDPF	11	440.00	19.77	7.73	1.59	0.00	0.00	0.00	477.85
ASKA	Badagada-C	UDPF	12	460.00	25.43	6.09	0.65	0.00	0.00	0.00	295.15
ASKA	Badagada-C	UDPF	13	575.00	24.17	3.65	0.00	0.00	0.00	0.00	358.80
ASKA	Badagada-C	UDPF	14	340.00	14.71	3.53	0.88	0.00	0.00	0.00	756.02
ASKA	Badagada-C	UDPF	15	320.00	21.25	5.31	0.31	0.00	0.00	0.00	444.84
ASKA	Badagada-C	UDPF	16	385.00	27.53	2.34	0.26	0.00	0.00	0.00	290.24
ASKA	Badagada-C	UDPF	17	390.00	28.72	1.54	0.51	0.00	0.00	0.00	275.37
ASKA	Badagada-C	UDPF	18	395.00	36.20	1.77	0.76	0.00	0.00	0.00	155.77
ASKA	Badagada-C	UDPF	19	465.00	33.98	3.87	0.43	0.00	0.00	0.00	144.86
ASKA	Badagada-C	UDPF	20	470.00	12.77	0.64	0.00	0.00	0.00	0.00	905.77
ASKA	Badagada-C	UDPF	21	390.00	24.62	7.18	2.05	0.00	0.00	0.00	307.86
ASKA	Badagada-C	UDPF	22	700.00	22.43	6.71	0.86	0.00	0.00	0.00	386.03
ASKA	Badagada-C	UDPF	23	355.00	21.69	7.89	1.97	0.00	0.00	0.00	402.18
ASKA	Badagada-C	UDPF	24	150.00	20.67	3.33	2.67	0.00	0.00	0.00	490.06
ASKA	Badagada-C	UDPF	25	270.00	29.26	6.30	1.11	0.00	0.00	0.00	194.30
ASKA	Badagada-C	UDPF	26	265.00	8.30	2.26	0.00	0.00	0.00	0.00	1138.77
ASKA	Badagada-C	UDPF	27	355.00	31.83	3.38	0.56	0.00	0.00	0.00	182.55
ASKA	Badagada-C	UDPF	28	200.00	54.50	8.50	3.00	0.00	0.00	0.00	267.32
ASKA	Badagada-C	UDPF	29	210.00	38.10	6.19	0.00	0.00	0.00	0.00	78.20

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
ASKA	Badagada-C	UDPF	30	240.00	40.83	5.83	0.00	0.00	0.00	0.00	78.24
					0.00	0.00	0.00	0.00	0.00	0.00	
ASKA	Kantakhhol	DPF	1	270.00	20.37	6.67	0.74	0.00	0.00	0.00	463.77
ASKA	Kantakhhol	DPF	2	120.00	44.17	10.00	0.00	0.00	0.00	0.00	68.57
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Pandaripada	DPF	1	185.00	0.00	0.00	0.00	2.70	0.00	0.00	7.46
POLOSARA	Pandaripada	DPF	2	415.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	3	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	4	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	5	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	6	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	7	440.00	23.86	3.41	0.45	0.00	0.00	0.23	378.05
POLOSARA	Pandaripada	DPF	8	260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	9	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	10	305.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Pandaripada	DPF	11	510.00	63.53	14.31	0.78	0.20	0.39	0.39	615.96
POLOSARA	Pandaripada	DPF	12	495.00	57.98	8.89	1.82	0.81	0.00	0.00	378.09
POLOSARA	Pandaripada	DPF	13	170.00	266.47	123.53	14.12	1.76	0.59	0.00	64104.12
POLOSARA	Pandaripada	DPF	14	375.00	50.40	17.33	0.80	0.00	0.00	0.00	201.58
POLOSARA	Pandaripada	DPF	15	410.00	45.85	15.85	0.24	0.00	0.00	0.00	113.98
POLOSARA	Pandaripada	DPF	16	565.00	37.88	6.02	0.71	0.00	0.00	0.00	85.39
POLOSARA	Pandaripada	DPF	17	270.00	60.74	20.00	1.11	0.74	0.74	0.37	563.71
POLOSARA	Pandaripada	DPF	18	365.00	88.22	14.79	3.56	0.27	0.00	0.00	2384.51
POLOSARA	Pandaripada	DPF	19	330.00	40.61	4.55	0.30	0.00	0.30	0.00	99.12
POLOSARA	Pandaripada	DPF	20	260.00	124.23	33.08	1.15	0.77	0.38	1.54	7621.79
POLOSARA	Pandaripada	DPF	21	110.00	431.82	142.73	30.91	15.45	1.82	0.91	171914.22
POLOSARA	Pandaripada	DPF	22	470.00	8.94	2.13	0.85	0.21	0.00	0.00	1105.41
POLOSARA	Pandaripada	DPF	23	250.00	0.00	1.20	3.20	0.40	0.80	0.00	111.60

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Pandaripada	DPF	24	270.00	15.56	3.70	1.48	0.37	0.00	0.00	709.87
POLOSARA	Pandaripada	DPF	25	280.00	0.00	1.07	2.86	0.36	0.71	0.00	113.32
POLOSARA	Pandaripada	DPF	26	270.00	59.26	9.63	1.48	1.11	0.00	0.74	424.64
POLOSARA	Pandaripada	DPF	27	325.00	17.85	5.54	2.46	2.15	0.00	0.62	583.99
POLOSARA	Pandaripada	DPF	28	500.00	10.60	2.40	0.00	0.00	0.00	0.00	995.52
POLOSARA	Pandaripada	DPF	29	375.00	14.13	3.20	0.00	0.00	0.00	0.00	786.39
POLOSARA	Pandaripada	DPF	30	225.00	16.89	3.11	0.00	0.00	0.00	0.00	652.24
POLOSARA	Pandaripada	DPF	31	200.00	26.50	6.00	0.00	0.00	0.00	0.00	261.14
POLOSARA	Pandaripada	DPF	32	260.00	0.77	0.00	0.38	0.38	0.00	0.00	1593.28
POLOSARA	Pandaripada	DPF	33	355.00	83.66	10.70	0.56	0.00	0.00	0.00	1953.36
POLOSARA	Pandaripada	DPF	34	335.00	55.22	5.37	1.79	0.00	0.00	0.00	313.67
POLOSARA	Pandaripada	DPF	35	375.00	54.67	5.60	0.00	0.00	0.00	0.00	292.20
POLOSARA	Pandaripada	DPF	36	475.00	24.00	0.84	0.21	0.00	0.00	0.00	419.87
POLOSARA	Pandaripada	DPF	37	385.00	51.69	2.86	0.52	0.00	0.00	0.00	256.62
POLOSARA	Pandaripada	DPF	38	125.00	171.20	27.20	3.20	0.00	0.00	0.00	17502.64
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Bhalukhai	DPF	1	13.20	98.48	37.88	7.58	15.15	15.15	7.58	4699.17
POLOSARA	Sodaka-A	DPF	1	400.00	51.25	5.25	0.00	0.00	0.00	0.00	208.27
POLOSARA	Sodaka-B	DPF	1	430.00	26.51	0.93	0.23	0.00	0.00	0.00	343.40
POLOSARA	Kakudia	DPF	1	85.02	234.06	12.94	2.35	0.00	0.00	0.00	37676.37
POLOSARA	Jokalundi	PRF	1	390.00	31.54	27.44	7.44	0.00	0.77	0.77	426.23
POLOSARA	Paikajamuna	DPF	1	335.48	34.58	19.67	0.00	0.00	1.19	0.89	160.58
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Purunapani Daburia	PRF	1	320.00	31.25	0.00	19.06	4.06	2.19	1.25	429.14
POLOSARA	Purunapani Daburia	PRF	2	275.00	7.27	6.55	0.00	0.00	9.82	0.00	1257.26
POLOSARA	Purunapani Daburia	PRF	3	345.00	47.83	16.81	11.01	3.19	2.32	1.45	243.68
POLOSARA	Purunapani Daburia	PRF	4	470.00	25.53	0.85	0.00	5.11	1.49	1.06	397.64
POLOSARA	Purunapani Daburia	PRF	5	325.00	58.46	24.00	3.69	3.08	0.00	0.00	571.23

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
POLOSARA	Purunapani Daburia	PRF	6	380.00	35.53	13.68	3.42	0.00	0.00	0.79	83.74
POLOSARA	Purunapani Daburia	PRF	7	240.00	54.17	20.42	0.00	0.00	3.75	2.08	358.20
POLOSARA	Purunapani Daburia	PRF	8	170.00	104.71	58.24	6.47	0.00	0.00	1.18	6477.49
					0.00	0.00	0.00	0.00	0.00	0.00	
POLOSARA	Khaladimal	PRF	1	400.00	24.00	6.75	8.75	4.25	1.50	1.25	396.61
POLOSARA	Khaladimal	PRF	2	275.00	28.00	4.36	1.09	0.00	0.36	0.36	245.85
POLOSARA	Khaladimal	PRF	3	125.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Khaladimal	PRF	4	135.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLOSARA	Khaladimal	PRF	5	430.00	27.67	3.02	2.09	0.93	0.23	0.23	272.64
POLOSARA	Khaladimal	PRF	6	150.00	96.00	32.00	18.00	2.67	1.33	0.00	3877.75
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-A	UDPF	1	205.00	77.07	18.05	6.34	0.49	0.00	0.00	1486.80
BADAGADA	Badagada-A	UDPF	2	100.00	154.00	37.00	12.00	0.00	0.00	0.00	13796.94
BADAGADA	Badagada-A	UDPF	3	395.00	47.85	18.48	8.35	0.76	0.00	0.00	207.38
BADAGADA	Badagada-A	UDPF	4	380.00	32.63	10.26	6.05	1.05	0.26	0.00	125.60
BADAGADA	Badagada-A	UDPF	5	345.00	40.00	11.01	5.51	0.87	0.00	0.00	64.82
BADAGADA	Badagada-A	UDPF	6	285.00	59.30	25.96	4.56	0.70	0.35	0.00	652.10
BADAGADA	Badagada-A	UDPF	7	340.00	53.82	24.71	7.06	2.35	0.00	0.00	458.49
BADAGADA	Badagada-A	UDPF	8	355.00	47.61	20.85	3.66	0.56	0.28	0.00	209.21
BADAGADA	Badagada-A	UDPF	9	430.00	25.81	0.00	0.00	0.00	0.00	0.00	244.36
BADAGADA	Badagada-A	UDPF	10	220.00	49.09	0.00	0.00	0.00	0.00	0.00	120.84
BADAGADA	Badagada-A	UDPF	11	250.00	32.40	0.00	0.00	0.00	0.00	0.00	99.48
BADAGADA	Badagada-A	UDPF	12	375.00	20.53	0.00	0.00	0.00	0.00	0.00	423.19
BADAGADA	Badagada-A	UDPF	13	270.00	34.44	0.00	0.00	0.00	0.00	0.00	72.16
BADAGADA	Badagada-A	UDPF	14	355.00	23.38	0.00	0.00	0.00	0.00	0.00	319.85
BADAGADA	Badagada-A	UDPF	15	655.00	25.80	11.30	1.98	0.31	0.15	0.00	258.16
BADAGADA	Badagada-A	UDPF	16	530.00	32.83	10.19	3.21	0.38	0.00	0.00	107.99
BADAGADA	Badagada-A	UDPF	17	315.00	39.37	12.38	7.30	1.27	0.32	0.00	83.39

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Badagada-A	UDPF	18	435.00	34.02	9.66	3.91	0.23	0.00	0.00	94.95
BADAGADA	Badagada-A	UDPF	19	345.00	40.00	11.01	5.51	0.87	0.00	0.00	64.82
BADAGADA	Badagada-A	UDPF	20	820.00	23.05	8.90	4.02	0.37	0.00	0.00	351.97
BADAGADA	Badagada-A	UDPF	21	535.00	29.53	6.92	2.43	0.19	0.00	0.00	181.80
BADAGADA	Badagada-A	UDPF	22	295.00	52.20	12.54	4.07	0.00	0.00	0.00	205.44
BADAGADA	Badagada-A	UDPF	23	275.00	37.82	8.73	2.91	0.00	0.00	0.00	64.15
BADAGADA	Badagada-A	UDPF	24	260.00	47.31	10.77	3.08	0.00	0.00	0.00	105.96
BADAGADA	Badagada-A	UDPF	25	365.00	37.81	11.51	4.38	0.27	0.00	0.00	63.55
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Badagada-B	UDPF	1	540.00	15.93	0.00	0.00	0.00	0.00	0.00	624.77
BADAGADA	Badagada-B	UDPF	2	290.00	51.03	14.48	5.86	0.34	0.00	0.00	198.20
BADAGADA	Badagada-B	UDPF	3	465.00	37.42	11.61	3.66	0.43	0.00	0.00	63.13
BADAGADA	Badagada-B	UDPF	4	190.00	49.47	6.32	0.53	0.00	0.00	0.00	165.89
BADAGADA	Badagada-B	UDPF	5	205.00	16.59	2.93	0.98	0.00	0.00	0.00	673.19
BADAGADA	Badagada-B	UDPF	6	555.00	18.56	1.26	0.00	0.00	0.00	0.00	610.08
BADAGADA	Badagada-B	UDPF	7	670.00	50.00	5.82	0.00	0.00	0.00	0.00	175.74
BADAGADA	Badagada-B	UDPF	8	460.00	33.48	8.04	2.61	0.00	0.00	0.00	106.09
BADAGADA	Badagada-B	UDPF	9	140.00	67.14	8.57	0.71	0.00	0.00	0.00	792.52
BADAGADA	Badagada-B	UDPF	10	190.00	54.21	3.68	0.00	0.00	0.00	0.00	303.45
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Goudagotha	DPF	1	237.50	36.21	0.00	0.00	0.00	0.00	0.00	55.28
BADAGADA	Goudagotha	DPF	2	240.00	61.67	17.50	7.08	0.42	0.00	0.00	584.21
BADAGADA	Goudagotha	DPF	3	265.00	65.66	20.38	6.42	0.75	0.00	0.00	812.49
BADAGADA	Goudagotha	DPF	4	430.00	21.86	2.79	0.23	0.00	0.00	0.00	457.51
BADAGADA	Goudagotha	DPF	5	512.50	6.63	1.17	0.39	0.00	0.00	0.00	1273.56
BADAGADA	Goudagotha	DPF	6	442.50	39.32	12.20	3.84	0.45	0.00	0.00	58.19
BADAGADA	Goudagotha	DPF	7	380.00	36.32	11.05	4.21	0.26	0.00	0.00	71.65
BADAGADA	Goudagotha	DPF	8	280.00	43.93	10.00	2.86	0.00	0.00	0.00	69.32

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12
BADAGADA	Goudagotha	DPF	9	410.00	25.37	5.85	1.95	0.00	0.00	0.00	297.09
BADAGADA	Goudagotha	DPF	10	370.00	42.70	10.00	3.51	0.27	0.00	0.00	62.75
BADAGADA	Goudagotha	DPF	11	332.50	46.32	11.13	3.61	0.00	0.00	0.00	93.80
BADAGADA	Goudagotha	DPF	12	370.00	51.08	19.73	8.92	0.81	0.00	0.00	295.46
BADAGADA	Goudagotha	DPF	13	330.00	37.58	11.82	6.97	1.21	0.30	0.00	84.57
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Merikote	DPF	1	599.24	23.03	6.34	3.17	0.50	0.00	0.00	367.70
BADAGADA	Merikote	DPF	2	435.50	38.81	16.99	2.99	0.46	0.23	0.00	91.89
BADAGADA	Merikote	DPF	3	555.50	32.94	15.12	4.32	1.44	0.00	0.00	128.17
BADAGADA	Merikote	DPF	4	498.00	22.29	0.00	0.00	0.00	0.00	0.00	357.54
BADAGADA	Merikote	DPF	5	463.00	23.33	0.00	0.00	0.00	0.00	0.00	321.66
BADAGADA	Merikote	DPF	6	560.50	14.45	0.00	0.00	0.00	0.00	0.00	698.25
BADAGADA	Merikote	DPF	7	408.00	18.87	0.00	0.00	0.00	0.00	0.00	490.96
BADAGADA	Merikote	DPF	8	435.50	21.35	0.00	0.00	0.00	0.00	0.00	391.71
BADAGADA	Merikote	DPF	9	503.00	16.50	0.00	0.00	0.00	0.00	0.00	597.29
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Raipada	RF	1	506.65	21.32	0.00	0.00	0.00	0.00	0.00	393.14
BADAGADA	Raipada	RF	2	554.57	21.46	1.98	0.54	0.00	0.00	0.00	485.11
BADAGADA	Raipada	RF	3	489.60	39.83	4.70	0.41	0.00	0.00	0.00	96.38
BADAGADA	Raipada	RF	4	527.15	26.37	1.33	0.57	0.00	0.00	0.00	338.24
BADAGADA	Raipada	RF	5	719.30	13.21	3.34	0.56	0.00	0.00	0.00	838.30
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Srirampalli	PRF	1	410.00	29.27	2.93	0.73	0.00	0.00	0.00	238.11
					0.00	0.00	0.00	0.00	0.00	0.00	
BADAGADA	Mahisikhata	UDPF	1	270.00	62.22	5.56	0.74	0.00	0.00	0.00	574.27
BADAGADA	Mahisikhata	UDPF	2	328.25	51.18	4.57	0.61	0.00	0.00	0.00	219.89

Name of the Range	Forest Blocks	Status	Compt. No	Area of compt. (ha)	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12

Total Block Area:

111680.09

TOTAL: 12208.42 3561.76 961.37 286.66 112.29 41.26 635749.91

MEAN: 41.11 11.99 3.24 0.97 0.38 0.14 10961.21

STDEV: 42.28 16.39 4.64 1.86 1.19 0.50 66.86

Std. Error (mean): 2.45 0.95 0.27 0.11 0.07 0.03 3.88

All Blocks (Tree): 4590696.78 1339320.11 361502.59 107790.88 42222.94 15513.23 6457046.53

APPENDIX – XV

Enumeration result of Compartments of different Forest Blocks (RWC) of Ghumsur South Division

Forest Range: Aska	Comp. No.: 1	Method: 1% Systematic Strip Enum.
Forest Block: Suliaguda DPF	Total Area (Ha.) : 265.00	Grid Width in mtrs: 40
Period of Enum.: 15.1.13	Area of Enum. (Ha.) : 3.00	Grid Length in mtrs: 750.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	22	10	3	0	0	0	35
3	ASAN	0	0	0	0	0	0	0
4	CHAR	3	0	0	0	0	0	3
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	11	0	0	0	0	0	11
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	2	0	0	0	0	0	2
10	BAHADA	8	0	0	0	0	0	8
11	MAHULA	15	3	0	0	0	0	18
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	20	2	0	0	0	0	22
15	JAMUN	15	3	2	0	0	0	20
16	AMLA	3	0	0	0	0	0	0
17	BANDHAN	2	0	0	0	0	0	2
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	1	0	0	0	0	0	0
23	MANGO	12	7	3	1	0	0	23
24	MISC.	93	22	0	0	0	0	115
	Total:	207	47	8	1	0	0	259

Forest Range: Aska	Comp. No.: 2	Method: 1% Systematic Strip Enum.
Forest Block: Suliaguda DPF	Total Area (Ha.) : 195.00	Grid Width in mtrs: 40
Period of Enum.: 0	Area of Enum. (Ha.) : 2.00	Grid Length in mtrs: 500.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	48	17	0	0	0	0	65
3	ASAN	0	0	0	0	0	0	0
4	CHAR	4	0	0	0	0	0	4
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	13	0	0	0	0	0	13
8	KASHI	3	0	0	0	0	0	3
9	HARIDA	4	0	0	0	0	0	4
10	BAHADA	2	0	0	0	0	0	2
11	MAHULA	20	5	0	0	0	0	25
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	8	1	0	0	0	0	9
15	JAMUN	8	2	1	0	0	0	11
16	AMLA	11	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	12	5	3	1	0	0	21
24	MISC.	52	34	2	0	0	0	88
	Total:	185	64	6	1	0	0	245

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 3 Method: 1% Systematic Strip Enum.
Forest Block: Suliaguda DPF Total Area (Ha.) : 235.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 2.00 Grid Length in mtrs: 500.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	55	7	2	0	0	0	64
3	ASAN	0	0	0	0	0	0	0
4	CHAR	1	0	0	0	0	0	1
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	13	0	0	0	0	0	13
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	18	6	0	0	0	0	24
12	HALANDA	7	0	0	0	0	0	7
13	MUNDI	0	0	0	0	0	0	0
14	BELA	16	0	0	0	0	0	16
15	JAMUN	7	3	1	0	0	0	11
16	AMLA	3	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	5	4	1	1	0	0	11
24	MISC.	39	0	0	0	0	0	39
	Total:	164	20	4	1	0	0	186

Forest Range: Aska Comp. No.: 4 Method: 1% Systematic Strip Enum.
Forest Block: Suliaguda DPF Total Area (Ha.) : 180.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 2.00 Grid Length in mtrs: 500.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	31	13	1	0	0	0	45
3	ASAN	0	0	0	0	0	0	0
4	CHAR	0	0	0	0	0	0	0
5	DHAURA	3	0	0	0	0	0	3
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	20	1	0	0	0	0	21
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	3	0	0	0	0	0	3
11	MAHULA	27	0	0	0	0	0	27
12	HALANDA	8	0	0	0	0	0	8
13	MUNDI	0	0	0	0	0	0	0
14	BELA	32	0	0	0	0	0	32
15	JAMUN	11	0	0	0	0	0	11
16	AMLA	7	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	8	2	1	0	0	0	11
24	MISC.	68	8	0	0	0	0	76
	Total:	218	24	2	0	0	0	237

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 3 Method: 1% Systematic Strip Enum.
Forest Block: Hatimunda DPF Total Area (Ha.) : 90.00 Grid Width in mtrs: 40
Period of Enum.: 12.1.13 Area of Enum. (Ha.) : 1.00 Grid Length in mtrs: 250.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	17	8	0	3	0	0	28
3	ASAN	0	0	0	0	0	0	0
4	CHAR	7	0	0	0	0	0	7
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	10	1	0	0	0	0	11
8	KASHI	5	0	0	0	0	0	5
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	14	3	0	0	0	0	17
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	5	0	0	0	0	0	5
15	JAMUN	1	0	0	0	0	0	1
16	AMLA	2	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	17	0	0	0	0	0	17
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	4	0	0	0	0	0	4
24	MISC.	13	2	0	0	0	0	15
	Total:	95	14	0	3	0	0	110

Forest Range: Aska Comp. No.: 2 Method: 1% Systematic Strip Enum.
Forest Block: Hatimunda DPF Total Area (Ha.) : 180.00 Grid Width in mtrs: 40
Period of Enum.: 12.1.13 Area of Enum. (Ha.) : 2.00 Grid Length in mtrs: 500.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	28	5	0	1	0	0	34
3	ASAN	0	0	0	0	0	0	0
4	CHAR	17	1	0	0	0	0	18
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	19	0	0	0	0	0	19
8	KASHI	17	4	1	0	0	0	22
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	4	0	0	0	0	0	4
11	MAHULA	17	4	0	0	0	0	21
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	7	0	0	0	0	0	7
14	BELA	10	0	0	0	0	0	10
15	JAMUN	1	0	0	0	0	0	1
16	AMLA	9	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	4	0	0	0	0	0	4
19	SISOO	11	3	0	0	0	0	14
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	11	1	3	1	0	0	16
24	MISC.	30	4	1	0	0	0	35
	Total:	185	22	5	2	0	0	205

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 1 Method: 1% Systematic Strip Enum.
Forest Block: Hatimunda DPF Total Area (Ha.) : 175.00 Grid Width in mtrs: 40
Period of Enum.: 12.1.13 Area of Enum. (Ha.) : 1.00 Grid Length in mtrs: 250.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	43	4	0	0	0	0	47
2	MAI	22	8	3	1	0	0	34
3	ASAN	0	0	0	0	0	0	0
4	CHAR	29	0	0	0	0	0	29
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	17	0	0	0	0	0	17
8	KASHI	7	0	0	0	0	0	7
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	5	0	0	0	0	0	5
11	MAHULA	23	2	0	0	0	0	25
12	HALANDA	5	0	0	0	0	0	5
13	MUNDI	0	0	0	0	0	0	0
14	BELA	11	0	0	0	0	0	11
15	JAMUN	3	0	0	0	0	0	3
16	AMLA	7	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	3	0	0	0	0	0	3
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	7	0	0	0	0	0	7
24	MISC.	34	5	0	0	0	0	39
	Total:	216	19	3	1	0	0	232

Forest Range: Aska Comp. No.: 2 Method: 1% Systematic Strip Enum.
Forest Block: Machakhai DPF Total Area (Ha.) : 165.00 Grid Width in mtrs: 40
Period of Enum.: 21.1.13 Area of Enum. (Ha.) : 1.50 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	28	2	0	0	0	0	30
3	ASAN	0	0	0	0	0	0	0
4	CHAR	14	0	0	0	0	0	14
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	16	0	0	0	0	0	16
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	17	0	0	0	0	0	17
12	HALANDA	2	0	0	0	0	0	2
13	MUNDI	1	0	0	0	0	0	1
14	BELA	7	0	0	0	0	0	7
15	JAMUN	1	0	0	0	0	0	1
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	1	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	2	1	1	0	0	0	4
24	MISC.	33	3	0	0	0	0	36
	Total:	122	6	1	0	0	0	128

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 1 Method: 1% Systematic Strip Enum.
Forest Block: Machakhai DPF Total Area (Ha.) : 175.00 Grid Width in mtrs: 40
Period of Enum.: 21.1.13 Area of Enum. (Ha.) : 1.50 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	10	0	0	0	0	0	10
3	ASAN	0	0	0	0	0	0	0
4	CHAR	0	0	0	0	0	0	0
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	3	0	0	0	0	0	3
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	5	0	0	0	0	0	5
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	5	0	0	0	0	0	5
24	MISC.	60	2	0	0	0	0	62
	Total:	83	2	0	0	0	0	85

Forest Range: Aska Comp. No.: 6 Method: 1% Systematic Strip Enum.
Forest Block: Chemedi DPF Total Area (Ha.) : 230.00 Grid Width in mtrs: 40
Period of Enum.: 11.1.13 Area of Enum. (Ha.) : 2.00 Grid Length in mtrs: 500.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	18	2	1	0	0	0	21
3	ASAN	0	0	0	0	0	0	0
4	CHAR	21	0	0	0	0	0	21
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	18	2	0	0	0	0	20
8	KASHI	4	0	0	0	0	0	4
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	3	0	0	0	0	0	3
11	MAHULA	22	0	0	0	0	0	22
12	HALANDA	5	0	0	0	0	0	5
13	MUNDI	5	0	0	0	0	0	5
14	BELA	10	1	0	0	0	0	11
15	JAMUN	1	0	0	0	0	0	1
16	AMLA	3	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	2	0	0	0	0	0	2
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	4	0	0	0	0	0	0
23	MANGO	4	1	0	0	0	0	5
24	MISC.	37	0	0	0	0	0	37
	Total:	157	6	1	0	0	0	157

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 5 Method: 1% Systematic Strip Enum.
Forest Block: Chemedi DPF Total Area (Ha.) : 70.00 Grid Width in mtrs: 40
Period of Enum.: 11.1.13 Area of Enum. (Ha.) : 1.00 Grid Length in mtrs: 250.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	38	13	0	0	0	0	51
2	MAI	16	7	3	0	0	0	26
3	ASAN	0	0	0	0	0	0	0
4	CHAR	26	3	0	0	0	0	29
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	15	0	0	0	0	0	15
8	KASHI	6	0	0	0	0	0	6
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	9	0	0	0	0	0	9
11	MAHULA	18	6	0	0	0	0	24
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	9	0	0	0	0	0	9
15	JAMUN	2	0	0	0	0	0	2
16	AMLA	5	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	21	5	0	0	0	0	26
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	5	0	0	0	0	0	5
24	MISC.	34	0	0	0	0	0	34
	Total:	204	34	3	0	0	0	236

Forest Range: Aska Comp. No.: 4 Method: 1% Systematic Strip Enum.
Forest Block: Chemedi DPF Total Area (Ha.) : 180.00 Grid Width in mtrs: 40
Period of Enum.: 11.1.13 Area of Enum. (Ha.) : 2.00 Grid Length in mtrs: 500.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	0	0	0	0	0	0	0
3	ASAN	0	0	0	0	0	0	0
4	CHAR	72	13	0	0	0	0	85
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	18	2	0	0	0	0	20
8	KASHI	5	0	0	0	0	0	5
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	22	2	0	0	0	0	24
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	13	1	0	0	0	0	14
15	JAMUN	2	1	0	0	0	0	3
16	AMLA	4	2	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	4	0	0	0	0	0	0
23	MANGO	8	1	0	0	0	0	9
24	MISC.	34	0	0	0	0	0	34
	Total:	182	22	0	0	0	0	194

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 3 Method: 1% Systematic Strip Enum.
Forest Block: Chemedi DPF Total Area (Ha.) : 355.00 Grid Width in mtrs: 40
Period of Enum.: 10.1.13 Area of Enum. (Ha.) : 3.50 Grid Length in mtrs: 875.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	23	5	0	0	0	0	28
3	ASAN	0	0	0	0	0	0	0
4	CHAR	0	0	0	0	0	0	0
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	23	0	0	0	0	0	23
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	63	4	0	0	0	0	67
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	20	0	0	0	0	0	20
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	15	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	3	0	0	0	0	0	3
24	MISC.	58	2	0	0	0	0	60
	Total:	205	11	0	0	0	0	201

Forest Range: Aska Comp. No.: 2 Method: 1% Systematic Strip Enum.
Forest Block: Chemedi DPF Total Area (Ha.) : 115.00 Grid Width in mtrs: 40
Period of Enum.: 11.1.13 Area of Enum. (Ha.) : 1.00 Grid Length in mtrs: 250.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	72	17	0	0	0	0	89
2	MAI	24	6	2	0	0	0	32
3	ASAN	3	0	0	0	0	0	3
4	CHAR	33	7	0	0	0	0	40
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	15	3	0	0	0	0	18
8	KASHI	11	0	0	0	0	0	11
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	7	1	0	0	0	0	8
11	MAHULA	22	5	0	0	0	0	27
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	5	1	0	0	0	0	6
14	BELA	7	3	0	0	0	0	10
15	JAMUN	4	0	0	0	0	0	4
16	AMLA	10	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	5	1	1	0	0	0	7
24	MISC.	70	0	0	0	0	0	70
	Total:	288	44	3	0	0	0	325

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 1 Method: 1% Systematic Strip Enum.
Forest Block: Chemedi DPF Total Area (Ha.) : 345.00 Grid Width in mtrs: 40
Period of Enum.: 10.1.13 Area of Enum. (Ha.) : 3.50 Grid Length in mtrs: 875.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	42	13	0	0	0	0	55
2	MAI	11	6	1	0	0	0	18
3	ASAN	0	0	0	0	0	0	0
4	CHAR	15	3	0	0	0	0	18
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	15	2	0	0	0	0	17
8	KASHI	8	0	0	0	0	0	8
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	6	0	0	0	0	0	6
11	MAHULA	10	6	1	0	0	0	17
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	4	0	0	0	0	0	4
15	JAMUN	2	1	0	0	0	0	3
16	AMLA	6	0	0	0	0	0	0
17	BANDHAN	4	0	0	0	0	0	4
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	3	0	0	0	0	0	0
23	MANGO	4	1	1	0	0	0	6
24	MISC.	55	10	0	0	0	0	65
	Total:	185	42	3	0	0	0	221

Forest Range: Aska Comp. No.: 1(p) Method: 1% Systematic Strip Enum.
Forest Block: Kansa DPF Total Area (Ha.) : 111.53 Grid Width in mtrs: 40
Period of Enum.: 6.12.12 Area of Enum. (Ha.) : 1.00 Grid Length in mtrs: 250.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	18	4	2	1	0	0	25
3	ASAN	0	0	0	0	0	0	0
4	CHAR	0	0	0	0	0	0	0
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	11	1	0	0	0	0	12
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	14	5	1	0	0	0	20
12	HALANDA	5	0	0	0	0	0	5
13	MUNDI	0	0	0	0	0	0	0
14	BELA	11	4	0	0	0	0	15
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	7	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	16	4	0	0	0	0	20
20	TEAK	27	4	0	0	0	0	31
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	70	12	0	0	0	0	82
	Total:	179	34	3	1	0	0	210

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 3 (p) Method: 1% Systematic Strip Enum.
Forest Block: Gadagada DPF Total Area (Ha.) : 75.00 Grid Width in mtrs: 40
Period of Enum.: 13.1.13 Area of Enum. (Ha.) : 1.00 Grid Length in mtrs: 250.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	24	5	1	0	0	0	30
3	ASAN	0	0	0	0	0	0	0
4	CHAR	31	1	0	0	0	0	32
5	DHAURA	2	0	0	0	0	0	2
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	13	0	0	0	0	0	13
8	KASHI	2	0	0	0	0	0	2
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	3	0	0	0	0	0	3
11	MAHULA	19	0	0	0	0	0	19
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	1	0	0	0	0	0	1
14	BELA	5	0	0	0	0	0	5
15	JAMUN	2	0	0	0	0	0	2
16	AMLA	4	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	2	0	0	0	0	0	2
19	SISOO	0	0	0	0	0	0	0
20	TEAK	2	0	0	0	0	0	2
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	4	0	0	0	0	0	4
24	MISC.	42	4	0	0	0	0	46
	Total:	156	10	1	0	0	0	163

Forest Range: Aska Comp. No.: 2 (p) Method: 1% Systematic Strip Enum.
Forest Block: Gadagada DPF Total Area (Ha.) : 84.00 Grid Width in mtrs: 40
Period of Enum.: 13.1.13 Area of Enum. (Ha.) : 1.00 Grid Length in mtrs: 250.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	16	3	1	0	0	0	20
3	ASAN	0	0	0	0	0	0	0
4	CHAR	16	0	0	0	0	0	16
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	9	0	0	0	0	0	9
8	KASHI	3	0	0	0	0	0	3
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	2	0	0	0	0	0	2
11	MAHULA	12	0	0	0	0	0	12
12	HALANDA	1	0	0	0	0	0	1
13	MUNDI	3	0	0	0	0	0	3
14	BELA	6	0	0	0	0	0	6
15	JAMUN	2	0	0	0	0	0	2
16	AMLA	3	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	27	2	0	0	0	0	29
19	SISOO	0	0	0	0	0	0	0
20	TEAK	12	0	0	0	0	0	12
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	1	0	0	0	0	0	0
23	MANGO	4	1	0	0	0	0	5
24	MISC.	22	0	0	0	0	0	22
	Total:	139	6	1	0	0	0	142

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 1 (p) Method: 1% Systematic Strip Enum.
Forest Block: Gadagada DPF Total Area (Ha.) : 110.00 Grid Width in mtrs: 40
Period of Enum.: 13.1.13 Area of Enum. (Ha.) : 1.00 Grid Length in mtrs: 250.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	13	1	0	0	0	0	14
3	ASAN	0	0	0	0	0	0	0
4	CHAR	3	0	0	0	0	0	3
5	DHAURA	5	0	0	0	0	0	5
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	16	0	0	0	0	0	16
8	KASHI	2	0	0	0	0	0	2
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	1	0	0	0	0	0	1
11	MAHULA	12	1	0	0	0	0	13
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	8	0	0	0	0	0	8
15	JAMUN	1	0	0	0	0	0	1
16	AMLA	3	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	14	2	0	0	0	0	16
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	2	1	0	0	0	0	3
24	MISC.	27	0	0	0	0	0	27
	Total:	107	5	0	0	0	0	109

Forest Range: Aska Comp. No.: 1(p) Method: 1% Systematic Strip Enum.
Forest Block: Pakadi DPF Total Area (Ha.) : 220.00 Grid Width in mtrs: 40
Period of Enum.: 28.1.13 Area of Enum. (Ha.) : 2.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	40	10	3	0	0	0	53
3	ASAN	0	0	0	0	0	0	0
4	CHAR	8	1	0	0	0	0	9
5	DHAURA	2	0	0	0	0	0	2
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	18	1	0	0	0	0	19
8	KASHI	2	0	0	0	0	0	2
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	3	0	0	0	0	0	3
11	MAHULA	23	7	0	0	0	0	30
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	12	0	0	0	0	0	12
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	7	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	5	2	0	0	0	0	7
24	MISC.	68	0	0	0	0	0	68
	Total:	188	21	3	0	0	0	205

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 2 Method: 1% Systematic Strip Enum.
Forest Block: Pakadi DPF Total Area (Ha.) : 140.00 Grid Width in mtrs: 40
Period of Enum.: 28.1.13 Area of Enum. (Ha.) : 1.50 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	9	1	1	0	0	0	11
3	ASAN	0	0	0	0	0	0	0
4	CHAR	2	0	0	0	0	0	2
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	53	2	0	0	0	0	55
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	7	0	0	0	0	0	7
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	13	0	0	0	0	0	13
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	6	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	2	0	0	0	0	0	2
24	MISC.	31	0	0	0	0	0	31
	Total:	123	3	1	0	0	0	121

Forest Range: Aska Comp. No.: 3(p) Method: 1% Systematic Strip Enum.
Forest Block: Pakadi DPF Total Area (Ha.) : 147.00 Grid Width in mtrs: 40
Period of Enum.: 28.1.13 Area of Enum. (Ha.) : 1.50 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	11	1	0	0	0	0	12
3	ASAN	0	0	0	0	0	0	0
4	CHAR	2	0	0	0	0	0	2
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	27	0	0	0	0	0	27
8	KASHI	3	0	0	0	0	0	3
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	4	0	0	0	0	0	4
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	3	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	3	2	1	0	0	0	6
24	MISC.	42	18	0	0	0	0	60
	Total:	95	21	1	0	0	0	114

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 4(p) Method: 1% Systematic Strip Enum.
Forest Block: Pakadi DPF Total Area (Ha.) : 215.00 Grid Width in mtrs: 40
Period of Enum.: 29.1.13 Area of Enum. (Ha.) : 2.00 Grid Length in mtrs: 500.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	10	0	0	0	0	0	10
3	ASAN	0	0	0	0	0	0	0
4	CHAR	2	0	0	0	0	0	2
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	0	0	0	0	0	0	0
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	7	0	0	0	0	0	7
15	JAMUN	2	0	0	0	0	0	2
16	AMLA	9	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	37	16	0	0	0	0	53
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	47	23	0	0	0	0	70
	Total:	114	39	0	0	0	0	144

Forest Range: Aska Comp. No.: 5 Method: 1% Systematic Strip Enum.
Forest Block: Pakadi DPF Total Area (Ha.) : 220.00 Grid Width in mtrs: 40
Period of Enum.: 29.1.13 Area of Enum. (Ha.) : 2.00 Grid Length in mtrs: 500.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	53	0	0	0	0	0	53
3	ASAN	0	0	0	0	0	0	0
4	CHAR	3	0	0	0	0	0	3
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	11	0	0	0	0	0	11
8	KASHI	2	0	0	0	0	0	2
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	11	0	0	0	0	0	11
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	8	0	0	0	0	0	8
15	JAMUN	2	1	1	0	0	0	4
16	AMLA	6	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	38	31	0	0	0	0	69
	Total:	134	32	1	0	0	0	161

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 6(p) Method: 1% Systematic Strip Enum.
Forest Block: Pakadi DPF Total Area (Ha.) : 178.00 Grid Width in mtrs: 40
Period of Enum.: 29.1.13 Area of Enum. (Ha.) : 2.00 Grid Length in mtrs: 500.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	33	6	3	0	0	0	42
3	ASAN	0	0	0	0	0	0	0
4	CHAR	3	0	0	0	0	0	3
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	13	0	0	0	0	0	13
8	KASHI	2	0	0	0	0	0	2
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	2	0	0	0	0	0	2
11	MAHULA	12	0	0	0	0	0	12
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	2	0	0	0	0	0	2
14	BELA	13	0	0	0	0	0	13
15	JAMUN	3	3	1	0	0	0	7
16	AMLA	4	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	11	2	0	1	0	0	14
24	MISC.	50	30	0	0	0	0	80
	Total:	148	41	4	1	0	0	190

Forest Range: Aska Comp. No.: 7(p) Method: 1% Systematic Strip Enum.
Forest Block: Pakadi DPF Total Area (Ha.) : 50.00 Grid Width in mtrs: 40
Period of Enum.: 30.1.13 Area of Enum. (Ha.) : 0.50 Grid Length in mtrs: 125.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	2	0	0	0	0	0	2
3	ASAN	0	0	0	0	0	0	0
4	CHAR	1	0	0	0	0	0	1
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	3	0	0	0	0	0	3
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	6	0	0	0	0	0	6
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	7	0	0	0	0	0	7
15	JAMUN	2	0	0	0	0	0	2
16	AMLA	5	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	50	1	0	0	0	0	51
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	2	0	0	0	0	0	2
24	MISC.	12	0	0	0	0	0	12
	Total:	90	1	0	0	0	0	86

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 8(p) Method: 1% Systematic Strip Enum.
Forest Block: Pakadi DPF Total Area (Ha.) : 47.00 Grid Width in mtrs: 40
Period of Enum.: 30.1.13 Area of Enum. (Ha.) : 0.50 Grid Length in mtrs: 125.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	3	0	0	0	0	0	3
3	ASAN	0	0	0	0	0	0	0
4	CHAR	0	0	0	0	0	0	0
5	DHAURA	1	0	0	0	0	0	1
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	6	0	0	0	0	0	6
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	7	0	0	0	0	0	7
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	2	0	0	0	0	0	2
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	3	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	7	0	0	0	0	0	7
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	6	0	0	0	0	0	6
	Total:	35	0	0	0	0	0	32

Forest Range: Aska Comp. No.: 9(p) Method: 1% Systematic Strip Enum.
Forest Block: Pakadi DPF Total Area (Ha.) : 54.00 Grid Width in mtrs: 40
Period of Enum.: 30.1.13 Area of Enum. (Ha.) : 0.50 Grid Length in mtrs: 125.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	6	0	0	0	0	0	6
3	ASAN	0	0	0	0	0	0	0
4	CHAR	2	0	0	0	0	0	2
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	4	0	0	0	0	0	4
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	7	0	0	0	0	0	7
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	3	0	0	0	0	0	3
15	JAMUN	2	0	0	0	0	0	2
16	AMLA	3	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	2	3	1	0	0	0	6
24	MISC.	27	33	0	0	0	0	60
	Total:	56	36	1	0	0	0	90

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 10(p) Method: 1% Systematic Strip Enum.
Forest Block: Pakadi DPF Total Area (Ha.) : 48.00 Grid Width in mtrs: 40
Period of Enum.: 30.1.13 Area of Enum. (Ha.) : 0.50 Grid Length in mtrs: 125.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	8	0	0	0	0	0	8
3	ASAN	0	0	0	0	0	0	0
4	CHAR	2	0	0	0	0	0	2
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	12	0	0	0	0	0	12
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	7	0	0	0	0	0	7
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	3	0	0	0	0	0	3
15	JAMUN	2	1	0	0	0	0	3
16	AMLA	7	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	4	2	1	0	0	0	7
24	MISC.	14	48	0	0	0	0	62
	Total:	59	51	1	0	0	0	104

Forest Range: Aska Comp. No.: 1 Method: 1% Systematic Strip Enum.
Forest Block: Malijhar-I DPF Total Area (Ha.) : 410.00 Grid Width in mtrs: 40
Period of Enum.: 20.1.13 Area of Enum. (Ha.) : 4.00 Grid Length in mtrs: 1000.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	59	10	4	1	0	0	74
3	ASAN	0	0	0	0	0	0	0
4	CHAR	15	3	0	0	0	0	18
5	DHAURA	3	0	0	0	0	0	3
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	28	4	0	0	0	0	32
8	KASHI	3	1	0	0	0	0	4
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	7	0	0	0	0	0	7
11	MAHULA	17	8	0	0	0	0	25
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	22	1	0	0	0	0	23
15	JAMUN	5	0	0	0	0	0	5
16	AMLA	4	0	0	0	0	0	4
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	5	3	2	0	0	0	10
24	MISC.	79	8	0	0	0	0	87
	Total:	247	38	6	1	0	0	292

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 1 Method: 1% Systematic Strip Enum.
Forest Block: Malijhar-II DPF Total Area (Ha.) : 355.00 Grid Width in mtrs: 40
Period of Enum.: 6.12.12 Area of Enum. (Ha.) : 3.50 Grid Length in mtrs: 875.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	10	5	2	0	0	0	17
3	ASAN	0	0	0	0	0	0	0
4	CHAR	7	2	0	0	0	0	9
5	DHAURA	6	2	0	0	0	0	8
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	8	2	0	0	0	0	10
8	KASHI	5	2	0	0	0	0	7
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	10	3	1	0	0	0	14
12	HALANDA	6	2	1	0	0	0	9
13	MUNDI	0	0	0	0	0	0	0
14	BELA	11	2	1	0	0	0	14
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	4	1	0	0	0	0	5
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	4	0	0	0	0	0	4
23	MANGO	4	1	0	0	0	0	5
24	MISC.	13	5	0	0	0	0	18
	Total:	88	27	5	0	0	0	120

Forest Range: Aska Comp. No.: 2 Method: 1% Systematic Strip Enum.
Forest Block: Malijhar-II DPF Total Area (Ha.) : 260.00 Grid Width in mtrs: 40
Period of Enum.: 7.12.12 Area of Enum. (Ha.) : 2.50 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	9	3	1	0	0	0	13
3	ASAN	0	0	0	0	0	0	0
4	CHAR	6	2	0	0	0	0	8
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	11	1	0	0	0	0	12
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	14	4	1	0	0	0	19
12	HALANDA	6	2	1	0	0	0	9
13	MUNDI	0	0	0	0	0	0	0
14	BELA	12	5	1	0	0	0	18
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	6	3	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	5	1	0	0	0	0	6
24	MISC.	27	3	0	0	0	0	30
	Total:	96	24	4	0	0	0	115

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 3 Method: 1% Systematic Strip Enum.
Forest Block: Malijhar-II DPF Total Area (Ha.) : 300.00 Grid Width in mtrs: 40
Period of Enum.: 7.12.12 Area of Enum. (Ha.) : 3.00 Grid Length in mtrs: 750.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	14	6	3	0	0	0	23
3	ASAN	0	0	0	0	0	0	0
4	CHAR	7	4	0	0	0	0	11
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	7	5	0	0	0	0	12
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	27	11	0	0	0	0	38
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	7	3	0	0	0	0	10
14	BELA	39	7	0	0	0	0	46
15	JAMUN	9	1	0	0	0	0	10
16	AMLA	13	1	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	4	0	0	0	0	0	4
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	5	0	0	0	0	0	0
23	MANGO	10	1	0	0	0	0	11
24	MISC.	44	5	0	0	0	0	49
	Total:	186	44	3	0	0	0	214

Forest Range: Aska Comp. No.: 4 Method: 1% Systematic Strip Enum.
Forest Block: Malijhar-II DPF Total Area (Ha.) : 260.00 Grid Width in mtrs: 40
Period of Enum.: 8.12.12 Area of Enum. (Ha.) : 2.50 Grid Length in mtrs: 625.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	19	6	4	0	0	0	29
3	ASAN	0	0	0	0	0	0	0
4	CHAR	4	0	0	0	0	0	4
5	DHAURA	10	0	0	0	0	0	10
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	26	4	0	0	0	0	30
8	KASHI	8	0	0	0	0	0	8
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	14	8	4	0	0	0	26
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	7	0	0	0	0	0	7
14	BELA	16	4	0	0	0	0	20
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	15	3	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	9	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	84	11	0	0	0	0	95
	Total:	212	36	8	0	0	0	229

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 5 Method: 1% Systematic Strip Enum.
Forest Block: Malijhar-II DPF Total Area (Ha.) : 345.00 Grid Width in mtrs: 40
Period of Enum.: 9.12.12 Area of Enum. (Ha.) : 3.50 Grid Length in mtrs: 875.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	26	9	4	0	0	0	39
3	ASAN	0	0	0	0	0	0	0
4	CHAR	12	0	0	0	0	0	12
5	DHAURA	29	2	0	0	0	0	31
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	25	3	0	0	0	0	28
8	KASHI	6	0	0	0	0	0	6
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	7	2	0	0	0	0	9
11	MAHULA	20	9	2	0	0	0	31
12	HALANDA	9	0	0	0	0	0	9
13	MUNDI	4	0	0	0	0	0	4
14	BELA	18	0	0	0	0	0	18
15	JAMUN	4	0	0	0	0	0	4
16	AMLA	6	0	0	0	0	0	0
17	BANDHAN	4	0	0	0	0	0	4
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	20	6	0	0	0	0	26
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	2	0	0	0	0	0	0
23	MANGO	3	1	0	0	0	0	4
24	MISC.	45	11	6	0	0	0	62
	Total:	240	43	12	0	0	0	287

Forest Range: Aska Comp. No.: 6 Method: 1% Systematic Strip Enum.
Forest Block: Malijhar-II DPF Total Area (Ha.) : 215.00 Grid Width in mtrs: 40
Period of Enum.: 8.12.12 Area of Enum. (Ha.) : 2.00 Grid Length in mtrs: 500.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	13	5	0	0	0	0	18
3	ASAN	0	0	0	0	0	0	0
4	CHAR	8	0	0	0	0	0	8
5	DHAURA	8	0	0	0	0	0	8
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	8	0	0	0	0	0	8
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	8	2	0	0	0	0	10
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	9	0	0	0	0	0	9
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	3	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	2	0	0	0	0	0	2
24	MISC.	44	0	0	0	0	0	44
	Total:	103	7	0	0	0	0	107

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 1 Method: 1% Systematic Strip Enum.
Forest Block: Rasibadi DPF Total Area (Ha.) : 370.00 Grid Width in mtrs: 40
Period of Enum.: 20.1.13 Area of Enum. (Ha.) : 3.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	25	0	0	0	0	0	25
3	ASAN	0	0	0	0	0	0	0
4	CHAR	5	0	0	0	0	0	5
5	DHAURA	3	0	0	0	0	0	3
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	15	0	0	0	0	0	15
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	15	2	0	0	0	0	17
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	10	1	0	0	0	0	11
15	JAMUN	3	0	0	0	0	0	3
16	AMLA	2	0	0	0	0	0	2
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	7	1	0	0	0	0	8
24	MISC.	42	21	0	0	0	0	63
	Total:	127	25	0	0	0	0	152

Forest Range: Aska Comp. No.: 1 Method: 1% Systematic Strip Enum.
Forest Block: Chapudia DPF Total Area (Ha.) : 210.00 Grid Width in mtrs: 40
Period of Enum.: 21.1.13 Area of Enum. (Ha.) : 2.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	52	11	3	0	0	0	66
3	ASAN	0	0	0	0	0	0	0
4	CHAR	5	0	0	0	0	0	5
5	DHAURA	3	0	0	0	0	0	3
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	0	0	0	0	0	0	0
8	KASHI	7	0	0	0	0	0	7
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	3	0	0	0	0	0	3
11	MAHULA	30	3	0	0	0	0	33
12	HALANDA	10	0	0	0	0	0	10
13	MUNDI	3	0	0	0	0	0	3
14	BELA	0	0	0	0	0	0	0
15	JAMUN	7	2	1	0	0	0	10
16	AMLA	3	0	0	0	0	0	3
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	5	1	2	0	0	0	8
24	MISC.	40	0	0	0	0	0	40
	Total:	168	17	6	0	0	0	191

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 1 Method: 1% Systematic Strip Enum.
Forest Block: Gouduni DPF Total Area (Ha.) : 142.33 Grid Width in mtrs: 40
Period of Enum.: 13.1.13 Area of Enum. (Ha.) : 1.50 Grid Length in mtrs: 375.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	23	8	3	1	0	0	35
3	ASAN	0	0	0	0	0	0	0
4	CHAR	22	1	0	0	0	0	23
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	18	0	0	0	0	0	18
8	KASHI	7	1	0	0	0	0	8
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	4	0	0	0	0	0	4
11	MAHULA	23	9	0	0	0	0	32
12	HALANDA	10	0	0	0	0	0	10
13	MUNDI	5	0	0	0	0	0	5
14	BELA	8	0	0	0	0	0	8
15	JAMUN	2	0	0	0	0	0	2
16	AMLA	6	0	0	0	0	0	6
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	28	4	0	0	0	0	32
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	6	1	0	0	0	0	7
24	MISC.	25	5	0	0	0	0	30
	Total:	187	29	3	1	0	0	220

Forest Range: Aska Comp. No.: 2 Method: 1% Systematic Strip Enum.
Forest Block: Gouduni DPF Total Area (Ha.) : 157.00 Grid Width in mtrs: 40
Period of Enum.: 13.1.13 Area of Enum. (Ha.) : 0.50 Grid Length in mtrs: 125.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	23	5	0	0	0	0	28
3	ASAN	0	0	0	0	0	0	0
4	CHAR	5	0	0	0	0	0	5
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	7	0	0	0	0	0	7
8	KASHI	3	0	0	0	0	0	3
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	14	0	0	0	0	0	14
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	6	0	0	0	0	0	6
14	BELA	8	0	0	0	0	0	8
15	JAMUN	2	0	0	0	0	0	2
16	AMLA	1	0	0	0	0	0	1
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	3	0	0	0	0	0	3
24	MISC.	22	0	0	0	0	0	22
	Total:	94	5	0	0	0	0	99

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 1 Method: 1% Systematic Strip Enum.
Forest Block: Kantakhhol DPF Total Area (Ha.) : 270.00 Grid Width in mtrs: 40
Period of Enum.: 22.1.13 Area of Enum. (Ha.) : 3.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	107	12	0	0	0	0	119
2	MAI	42	12	6	0	0	0	60
3	ASAN	0	0	0	0	0	0	0
4	CHAR	0	0	0	0	0	0	0
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	28	3	0	0	0	0	31
8	KASHI	3	0	0	0	0	0	3
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	33	11	0	0	0	0	44
12	HALANDA	15	0	0	0	0	0	15
13	MUNDI	5	0	0	0	0	0	5
14	BELA	25	0	0	0	0	0	25
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	3	0	0	0	0	0	3
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	13	0	0	0	0	0	13
24	MISC.	55	18	2	0	0	0	75
	Total:	329	56	8	0	0	0	393

Forest Range: Aska Comp. No.: 2 Method: 1% Systematic Strip Enum.
Forest Block: Kantakhhol DPF Total Area (Ha.) : 120.00 Grid Width in mtrs: 40
Period of Enum.: 22.1.13 Area of Enum. (Ha.) : 1.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	43	8	0	0	0	0	51
3	ASAN	0	0	0	0	0	0	0
4	CHAR	3	0	0	0	0	0	3
5	DHAURA	4	0	0	0	0	0	4
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	12	0	0	0	0	0	12
8	KASHI	3	0	0	0	0	0	3
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	3	0	0	0	0	0	3
11	MAHULA	23	0	0	0	0	0	23
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	3	2	1	0	0	0	6
16	AMLA	2	0	0	0	0	0	2
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	3	1	2	0	0	0	6
24	MISC.	53	12	0	0	0	0	65
	Total:	152	23	3	0	0	0	178

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 1 Method: 1% Systematic Strip Enum.
Forest Block: Ambadaban DPF Total Area (Ha.) : 115.00 Grid Width in mtrs: 40
Period of Enum.: 30.1.13 Area of Enum. (Ha.) : 1.00 Grid Length in mtrs: 250.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	7	1	0	0	0	0	8
3	ASAN	0	0	0	0	0	0	0
4	CHAR	1	0	0	0	0	0	1
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	3	0	0	0	0	0	3
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	6	0	0	0	0	0	6
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	21	0	0	0	0	0	21
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	4	0	0	0	0	0	4
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	2	1	0	0	0	0	3
24	MISC.	16	0	0	0	0	0	16
	Total:	60	2	0	0	0	0	62

Forest Range: Aska Comp. No.: 2 Method: 1% Systematic Strip Enum.
Forest Block: Ambadaban DPF Total Area (Ha.) : 120.00 Grid Width in mtrs: 40
Period of Enum.: 30.1.13 Area of Enum. (Ha.) : 1.00 Grid Length in mtrs: 250.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	11	0	0	0	0	0	11
3	ASAN	0	0	0	0	0	0	0
4	CHAR	3	0	0	0	0	0	3
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	11	0	0	0	0	0	11
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	7	0	0	0	0	0	7
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	17	0	0	0	0	0	17
15	JAMUN	11	6	3	0	0	0	20
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	58	11	0	0	0	0	69
	Total:	118	17	3	0	0	0	138

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 3 Method: 1% Systematic Strip Enum.
Forest Block: Ambadaban DPF Total Area (Ha.) : 100.00 Grid Width in mtrs: 40
Period of Enum.: 30.1.13 Area of Enum. (Ha.) : 1.00 Grid Length in mtrs: 250.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	4	0	0	0	0	0	4
3	ASAN	0	0	0	0	0	0	0
4	CHAR	1	0	0	0	0	0	1
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	12	0	0	0	0	0	12
8	KASHI	2	0	0	0	0	0	2
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	8	0	0	0	0	0	8
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	11	0	0	0	0	0	11
15	JAMUN	7	0	0	0	0	0	7
16	AMLA	4	0	0	0	0	0	4
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	4	1	0	0	0	0	5
24	MISC.	16	0	0	0	0	0	16
	Total:	69	1	0	0	0	0	70

Forest Range: Aska Comp. No.: 1 Method: 1% Systematic Strip Enum.
Forest Block: Badadanda DPF Total Area (Ha.) : 50.00 Grid Width in mtrs: 40
Period of Enum.: 14.1.13 Area of Enum. (Ha.) : 0.50 Grid Length in mtrs: 125.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	25	4	0	0	0	0	29
2	MAI	25	0	0	0	0	0	25
3	ASAN	0	0	0	0	0	0	0
4	CHAR	7	0	0	0	0	0	7
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	12	1	0	0	0	0	13
8	KASHI	8	2	0	0	0	0	10
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	3	0	0	0	0	0	3
11	MAHULA	12	0	0	0	0	0	12
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	3	0	0	0	0	0	3
14	BELA	6	0	0	0	0	0	6
15	JAMUN	2	0	0	0	0	0	2
16	AMLA	1	0	0	0	0	0	1
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	3	1	0	0	0	0	4
24	MISC.	26	0	0	0	0	0	26
	Total:	133	8	0	0	0	0	141

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 1 Method: 1% Systematic Strip Enum.
Forest Block: Badua DPF Total Area (Ha.) : 80.00 Grid Width in mtrs: 40
Period of Enum.: 14.1.13 Area of Enum. (Ha.) : 0.30 Grid Length in mtrs: 100.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	11	0	0	0	0	0	11
3	ASAN	0	0	0	0	0	0	0
4	CHAR	13	0	0	0	0	0	13
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	10	0	0	0	0	0	10
8	KASHI	4	0	0	0	0	0	4
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	11	1	0	0	0	0	12
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	4	0	0	0	0	0	4
14	BELA	8	0	0	0	0	0	8
15	JAMUN	2	0	0	0	0	0	2
16	AMLA	3	0	0	0	0	0	3
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	7	0	0	0	0	0	7
20	TEAK	7	0	0	0	0	0	7
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	2	0	0	0	0	0	2
24	MISC.	11	3	0	0	0	0	14
	Total:	93	4	0	0	0	0	97

Forest Range: Aska Comp. No.: 1 Method: 1% Systematic Strip Enum.
Forest Block: Bhuin dimiripalli DPF Total Area (Ha.) : 15.89 Grid Width in mtrs: 40
Period of Enum.: 14.1.13 Area of Enum. (Ha.) : 0.20 Grid Length in mtrs: 50.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	5	0	0	0	0	0	5
3	ASAN	0	0	0	0	0	0	0
4	CHAR	2	0	0	0	0	0	2
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	0	0	0	0	0	0	0
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	3	0	0	0	0	0	3
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	3	0	0	0	0	0	3
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	1	0	0	0	0	0	1
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	15	1	0	0	0	0	16
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	1	0	0	0	0	0	1
24	MISC.	26	1	0	0	0	0	27
	Total:	56	2	0	0	0	0	58

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 1 Method: 1% Systematic Strip Enum.
Forest Block: Badagada 'C' UDPF Total Area (Ha.) : 340.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 3.50 Grid Length in mtrs: 875.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	93	22	5	0	0	0	120
2	MAI	43	5	2	0	0	0	50
3	ASAN	47	3	1	0	0	0	51
4	CHAR	15	0	0	0	0	0	15
5	DHAURA	12	0	0	0	0	0	12
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	7	0	0	0	0	0	7
8	KASHI	8	1	0	0	0	0	9
9	HARIDA	7	0	0	0	0	0	7
10	BAHADA	9	0	0	0	0	0	9
11	MAHULA	10	0	0	0	0	0	10
12	HALANDA	13	0	0	0	0	0	13
13	MUNDI	0	0	0	0	0	0	0
14	BELA	14	2	0	0	0	0	16
15	JAMUN	11	1	0	0	0	0	12
16	AMLA	13	0	0	0	0	0	13
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	7	2	0	0	0	0	9
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	120	22	7	0	0	0	149
	Total:	429	58	15	0	0	0	502

Forest Range: Aska Comp. No.: 2 Method: 1% Systematic Strip Enum.
Forest Block: Badagada 'C' UDPF Total Area (Ha.) : 305.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 3.00 Grid Length in mtrs: 750.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	62	8	3	0	0	0	73
3	ASAN	62	2	1	0	0	0	65
4	CHAR	40	0	0	0	0	0	40
5	DHAURA	35	3	1	0	0	0	39
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	0	0	0	0	0	0	0
8	KASHI	22	0	0	0	0	0	22
9	HARIDA	13	2	0	0	0	0	15
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	16	0	0	0	0	0	16
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	13	1	0	0	0	0	14
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	20	3	0	0	0	0	23
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	37	6	2	0	0	0	45
	Total:	320	25	7	0	0	0	352

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 3 Method: 1% Systematic Strip Enum.
Forest Block: Badagada 'C' UDPF Total Area (Ha.) : 165.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 2.00 Grid Length in mtrs: 500.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	68	17	2	0	0	0	87
3	ASAN	59	15	1	0	0	0	75
4	CHAR	18	3	0	0	0	0	21
5	DHAURA	15	1	0	0	0	0	16
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	14	3	1	0	0	0	18
8	KASHI	13	2	0	0	0	0	15
9	HARIDA	9	0	0	0	0	0	9
10	BAHADA	12	1	0	0	0	0	13
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	4	0	0	0	0	0	4
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	11	1	0	0	0	0	12
17	BANDHAN	7	0	0	0	0	0	7
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	8	2	0	0	0	0	10
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	64	18	6	0	0	0	88
	Total:	302	63	10	0	0	0	375

Forest Range: Aska Comp. No.: 4 Method: 1% Systematic Strip Enum.
Forest Block: Badagada 'C' UDPF Total Area (Ha.) : 315.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 3.00 Grid Length in mtrs: 750.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	39	2	1	0	0	0	42
2	MAI	70	10	2	0	0	0	82
3	ASAN	48	7	0	0	0	0	55
4	CHAR	35	0	0	0	0	0	35
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	17	3	2	0	0	0	22
8	KASHI	18	0	0	0	0	0	18
9	HARIDA	13	0	0	0	0	0	13
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	12	2	1	0	0	0	15
16	AMLA	15	2	0	0	0	0	17
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	20	2	1	0	0	0	23
19	SISOO	23	3	1	0	0	0	27
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	56	14	0	0	0	0	70
	Total:	366	45	8	0	0	0	419

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 5 Method: 1% Systematic Strip Enum.
Forest Block: Badagada 'C' UDPF Total Area (Ha.) : 310.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 3.00 Grid Length in mtrs: 750.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	68	12	2	0	0	0	82
2	MAI	42	7	1	0	0	0	50
3	ASAN	29	2	3	0	0	0	34
4	CHAR	25	1	0	0	0	0	26
5	DHAURA	14	0	0	0	0	0	14
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	0	0	0	0	0	0	0
8	KASHI	13	2	0	0	0	0	15
9	HARIDA	7	0	0	0	0	0	7
10	BAHADA	11	1	0	0	0	0	12
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	7	1	0	0	0	0	8
16	AMLA	10	0	0	0	0	0	10
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	12	0	0	0	0	0	12
19	SISOO	16	3	0	0	0	0	19
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	77	22	5	0	0	0	104
	Total:	331	51	11	0	0	0	393

Forest Range: Aska Comp. No.: 6 Method: 1% Systematic Strip Enum.
Forest Block: Badagada 'C' UDPF Total Area (Ha.) : 275.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 3.00 Grid Length in mtrs: 750.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	92	8	3	0	0	0	103
2	MAI	69	28	8	0	0	0	105
3	ASAN	20	0	0	0	0	0	20
4	CHAR	53	18	0	0	0	0	71
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	0	0	0	0	0	0	0
8	KASHI	10	0	0	0	0	0	10
9	HARIDA	15	10	5	0	0	0	30
10	BAHADA	7	3	0	2	0	0	12
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	10	10	0	0	0	0	20
13	MUNDI	0	0	0	0	0	0	0
14	BELA	8	0	0	0	0	0	8
15	JAMUN	10	3	0	0	0	0	13
16	AMLA	20	12	5	0	0	0	37
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	12	0	0	0	0	0	12
19	SISOO	13	0	0	0	0	0	13
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	158	67	8	2	0	0	235
	Total:	497	159	29	4	0	0	689

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 7 Method: 1% Systematic Strip Enum.
Forest Block: Badagada 'C' UDPF Total Area (Ha.) : 700.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 7.00 Grid Length in mtrs: 1750.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	32	8	1	0	0	0	41
2	MAI	115	10	0	0	0	0	125
3	ASAN	29	0	0	0	0	0	29
4	CHAR	22	0	0	0	0	0	22
5	DHAURA	30	0	0	0	0	0	30
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	17	3	0	0	0	0	20
8	KASHI	18	0	0	0	0	0	18
9	HARIDA	12	0	0	0	0	0	12
10	BAHADA	9	0	0	0	0	0	9
11	MAHULA	15	0	0	0	0	0	15
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	10	0	0	0	0	0	10
15	JAMUN	14	0	0	0	0	0	14
16	AMLA	16	0	0	0	0	0	16
17	BANDHAN	15	0	0	0	0	0	15
18	PIASAL	31	0	0	0	0	0	31
19	SISOO	13	0	0	0	0	0	13
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	83	13	2	0	0	0	98
	Total:	481	34	3	0	0	0	518

Forest Range: Aska Comp. No.: 8 Method: 1% Systematic Strip Enum.
Forest Block: Badagada 'C' UDPF Total Area (Ha.) : 325.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 3.00 Grid Length in mtrs: 750.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	123	37	2	0	0	0	162
2	MAI	39	12	3	6	0	0	60
3	ASAN	20	0	0	0	0	0	20
4	CHAR	38	3	0	0	0	0	41
5	DHAURA	7	0	0	0	0	0	7
6	KUSUM	25	0	0	0	0	0	25
7	KENDU	0	0	0	0	0	0	0
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	13	3	0	0	0	0	16
10	BAHADA	19	1	0	0	0	0	20
11	MAHULA	13	7	0	0	0	0	20
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	12	3	1	0	0	0	16
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	7	3	0	0	0	0	10
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	13	0	0	0	0	0	13
19	SISOO	20	0	0	0	0	0	20
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	7	8	0	0	0	0	15
23	MANGO	0	0	0	0	0	0	0
24	MISC.	95	20	0	3	5	0	123
	Total:	451	97	6	9	5	0	568

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 9 Method: 1% Systematic Strip Enum.
Forest Block: Badagada 'C' UDPF Total Area (Ha.) : 455.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 4.50 Grid Length in mtrs: 1125.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	55	7	1	0	0	0	63
2	MAI	65	6	0	0	0	0	71
3	ASAN	53	0	0	0	0	0	53
4	CHAR	24	0	0	0	0	0	24
5	DHAURA	38	0	0	0	0	0	38
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	19	0	0	0	0	0	19
8	KASHI	22	0	0	0	0	0	22
9	HARIDA	7	0	0	0	0	0	7
10	BAHADA	11	0	0	0	0	0	11
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	22	1	0	0	0	0	23
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	21	2	0	0	0	0	23
19	SISOO	17	3	1	0	0	0	21
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	103	8	1	0	0	0	112
	Total:	457	27	3	0	0	0	487

Forest Range: Aska Comp. No.: 10 Method: 1% Systematic Strip Enum.
Forest Block: Badagada 'C' UDPF Total Area (Ha.) : 485.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 4.50 Grid Length in mtrs: 1125.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	18	2	1	0	0	0	21
2	MAI	64	7	0	0	0	0	71
3	ASAN	22	0	0	0	0	0	22
4	CHAR	30	0	0	0	0	0	30
5	DHAURA	19	0	0	0	0	0	19
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	0	0	0	0	0	0	0
8	KASHI	7	3	0	0	0	0	10
9	HARIDA	15	0	0	0	0	0	15
10	BAHADA	9	0	0	0	0	0	9
11	MAHULA	16	0	0	0	0	0	16
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	12	0	0	0	0	0	12
17	BANDHAN	10	0	0	0	0	0	10
18	PIASAL	20	0	0	0	0	0	20
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	84	6	2	0	0	0	92
	Total:	326	18	3	0	0	0	347

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 11 Method: 1% Systematic Strip Enum.
Forest Block: Badagada 'C' UDPF Total Area (Ha.) : 440.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 4.50 Grid Length in mtrs: 1125.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	119	43	3	0	0	0	165
2	MAI	54	15	1	0	0	0	70
3	ASAN	17	0	0	0	0	0	17
4	CHAR	32	17	2	0	0	0	51
5	DHAURA	12	3	0	0	0	0	15
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	0	0	0	0	0	0	0
8	KASHI	15	5	0	0	0	0	20
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	14	3	0	0	0	0	17
15	JAMUN	12	5	2	0	0	0	19
16	AMLA	9	2	0	0	0	0	11
17	BANDHAN	13	3	0	0	0	0	16
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	87	34	7	0	0	0	128
	Total:	384	130	15	0	0	0	529

Forest Range: Aska Comp. No.: 12 Method: 1% Systematic Strip Enum.
Forest Block: Badagada 'C' UDPF Total Area (Ha.) : 460.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 4.50 Grid Length in mtrs: 1125.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	48	7	0	0	0	0	55
2	MAI	69	7	0	0	0	0	76
3	ASAN	21	4	0	0	0	0	25
4	CHAR	15	3	0	0	0	0	18
5	DHAURA	12	0	0	0	0	0	12
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	13	2	0	0	0	0	15
8	KASHI	15	0	0	0	0	0	15
9	HARIDA	10	0	0	0	0	0	10
10	BAHADA	13	1	0	0	0	0	14
11	MAHULA	15	3	1	0	0	0	19
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	11	0	0	0	0	0	11
16	AMLA	8	0	0	0	0	0	8
17	BANDHAN	7	0	0	0	0	0	7
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	117	28	3	0	0	0	148
	Total:	374	55	4	0	0	0	433

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 13 Method: 1% Systematic Strip Enum.
Forest Block: Badagada 'C' UDPF Total Area (Ha.) : 575.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 6.00 Grid Length in mtrs: 1500.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	79	26	3	0	0	0	108
2	MAI	111	19	2	0	0	0	132
3	ASAN	88	6	0	0	0	0	94
4	CHAR	55	7	0	0	0	0	62
5	DHAURA	60	0	0	0	0	0	60
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	13	2	1	0	0	0	16
8	KASHI	20	0	0	0	0	0	20
9	HARIDA	7	0	0	0	0	0	7
10	BAHADA	10	2	1	0	0	0	13
11	MAHULA	12	0	0	0	0	0	12
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	14	0	0	0	0	0	14
17	BANDHAN	17	0	0	0	0	0	17
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	139	21	0	0	0	0	160
	Total:	625	83	7	0	0	0	715

Forest Range: Aska Comp. No.: 14 Method: 1% Systematic Strip Enum.
Forest Block: Badagada 'C' UDPF Total Area (Ha.) : 340.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 3.00 Grid Length in mtrs: 750.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	98	19	5	0	0	0	122
2	MAI	102	11	2	0	0	0	115
3	ASAN	29	6	0	0	0	0	35
4	CHAR	22	0	0	0	0	0	22
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	0	0	0	0	0	0	0
8	KASHI	18	1	0	0	0	0	19
9	HARIDA	9	1	0	0	0	0	10
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	15	2	0	0	0	0	17
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	12	0	0	0	0	0	12
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	13	3	0	0	0	0	16
19	SISOO	22	7	2	0	0	0	31
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	22	8	0	0	0	30
24	MISC.	50	12	3	0	0	0	65
	Total:	390	84	20	0	0	0	494

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 15 Method: 1% Systematic Strip Enum.
Forest Block: Badagada 'C' UDPF Total Area (Ha.) : 320.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 3.00 Grid Length in mtrs: 750.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	22	8	1	0	0	0	31
2	MAI	120	16	3	0	0	0	139
3	ASAN	58	7	1	0	0	0	66
4	CHAR	17	0	0	0	0	0	17
5	DHAURA	35	0	0	0	0	0	35
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	10	2	1	0	0	0	13
8	KASHI	9	0	0	0	0	0	9
9	HARIDA	10	0	0	0	0	0	10
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	12	0	0	0	0	0	12
14	BELA	0	0	0	0	0	0	0
15	JAMUN	14	3	1	0	0	0	18
16	AMLA	8	0	0	0	0	0	8
17	BANDHAN	17	0	0	0	0	0	17
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	68	17	1	0	0	0	86
	Total:	400	53	8	0	0	0	461

Forest Range: Aska Comp. No.: 16 Method: 1% Systematic Strip Enum.
Forest Block: Badagada 'C' UDPF Total Area (Ha.) : 385.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 4.00 Grid Length in mtrs: 1000.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	34	7	3	0	0	0	44
2	MAI	140	18	2	0	0	0	160
3	ASAN	39	6	0	0	0	0	45
4	CHAR	23	2	0	0	0	0	25
5	DHAURA	30	0	0	0	0	0	30
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	20	2	0	0	0	0	22
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	12	0	0	0	0	0	12
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	17	0	0	0	0	0	17
17	BANDHAN	15	0	0	0	0	0	15
18	PIASAL	9	0	0	0	0	0	9
19	SISOO	17	3	2	0	0	0	22
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	106	9	1	0	0	0	116
	Total:	462	47	8	0	0	0	517

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 17 Method: 1% Systematic Strip Enum.
Forest Block: Badagada 'C' UDPF Total Area (Ha.) : 390.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 4.00 Grid Length in mtrs: 1000.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	23	3	1	0	0	0	27
2	MAI	72	8	2	0	0	0	82
3	ASAN	58	2	0	0	0	0	60
4	CHAR	93	2	0	0	0	0	95
5	DHAURA	47	1	0	0	0	0	48
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	0	0	0	0	0	0	0
8	KASHI	11	0	0	0	0	0	11
9	HARIDA	7	0	0	0	0	0	7
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	17	0	0	0	0	0	17
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	15	0	0	0	0	0	15
19	SISOO	25	0	0	0	0	0	25
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	112	6	2	0	0	0	120
	Total:	480	22	5	0	0	0	507

Forest Range: Aska Comp. No.: 18 Method: 1% Systematic Strip Enum.
Forest Block: Badagada 'C' UDPF Total Area (Ha.) : 395.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 4.00 Grid Length in mtrs: 1000.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	26	5	2	0	0	0	33
2	MAI	35	2	0	0	0	0	37
3	ASAN	65	7	0	0	0	0	72
4	CHAR	55	0	0	0	0	0	55
5	DHAURA	58	0	0	0	0	0	58
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	15	3	1	0	0	0	19
8	KASHI	16	0	0	0	0	0	16
9	HARIDA	12	2	0	0	0	0	14
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	18	0	0	0	0	0	18
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	20	2	0	0	0	0	22
19	SISOO	17	3	1	0	0	0	21
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	143	7	3	0	0	0	153
	Total:	480	31	7	0	0	0	518

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 19 Method: 1% Systematic Strip Enum.
Forest Block: Badagada 'C' UDPF Total Area (Ha.) : 465.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 4.50 Grid Length in mtrs: 1125.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	48	9	2	0	0	0	59
2	MAI	105	12	0	0	0	0	117
3	ASAN	69	3	0	0	0	0	72
4	CHAR	56	0	0	0	0	0	56
5	DHAURA	34	2	0	0	0	0	36
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	19	0	0	0	0	0	19
8	KASHI	17	1	0	0	0	0	18
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	13	1	0	0	0	0	14
11	MAHULA	20	3	0	0	0	0	23
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	13	2	0	0	0	0	15
16	AMLA	22	0	0	0	0	0	22
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	23	2	1	0	0	0	26
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	158	18	2	0	0	0	178
	Total:	597	53	5	0	0	0	655

Forest Range: Aska Comp. No.: 20 Method: 1% Systematic Strip Enum.
Forest Block: Badagada 'C' UDPF Total Area (Ha.) : 470.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 4.00 Grid Length in mtrs: 1000.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	0	0	0	0	0	0	0
3	ASAN	0	0	0	0	0	0	0
4	CHAR	53	2	0	0	0	0	55
5	DHAURA	47	3	0	0	0	0	50
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	20	0	0	0	0	0	20
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	27	0	0	0	0	0	27
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	60	3	0	0	0	0	63
	Total:	207	8	0	0	0	0	215

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 21 Method: 1% Systematic Strip Enum.
Forest Block: Badagada 'C' UDPF Total Area (Ha.) : 390.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 4.00 Grid Length in mtrs: 1000.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	113	32	6	0	0	0	151
2	MAI	42	13	2	0	0	0	57
3	ASAN	52	13	1	0	0	0	66
4	CHAR	24	2	0	0	0	0	26
5	DHAURA	13	1	0	0	0	0	14
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	0	0	0	0	0	0	0
8	KASHI	10	2	0	0	0	0	12
9	HARIDA	7	0	0	0	0	0	7
10	BAHADA	15	0	0	0	0	0	15
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	7	0	0	0	0	0	7
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	11	0	0	0	0	0	11
19	SISOO	18	3	1	0	0	0	22
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	96	28	8	0	0	0	132
	Total:	408	94	18	0	0	0	520

Forest Range: Aska Comp. No.: 22 Method: 1% Systematic Strip Enum.
Forest Block: Badagada 'C' UDPF Total Area (Ha.) : 700.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 7.00 Grid Length in mtrs: 1750.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	158	52	5	0	0	0	215
2	MAI	112	26	2	0	0	0	140
3	ASAN	52	3	0	0	0	0	55
4	CHAR	63	5	0	0	0	0	68
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	19	1	0	0	0	0	20
7	KENDU	0	0	0	0	0	0	0
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	12	2	0	0	0	0	14
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	157	47	6	0	0	0	210
	Total:	573	136	13	0	0	0	722

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 23 Method: 1% Systematic Strip Enum.
Forest Block: Badagada 'C' UDPF Total Area (Ha.) : 355.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 3.50 Grid Length in mtrs: 875.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	84	11	2	0	0	0	97
3	ASAN	38	4	0	0	0	0	42
4	CHAR	83	5	0	0	0	0	88
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	0	0	0	0	0	0	0
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	18	3	1	0	0	0	22
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	18	0	2	0	0	0	20
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	77	28	7	0	0	0	112
	Total:	318	51	12	0	0	0	381

Forest Range: Aska Comp. No.: 24 Method: 1% Systematic Strip Enum.
Forest Block: Badagada 'C' UDPF Total Area (Ha.) : 150.00 Grid Width in mtrs: 40
Period of Enum.: 3.12.12 Area of Enum. (Ha.) : 1.50 Grid Length in mtrs: 375.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	26	9	5	0	0	0	40
3	ASAN	0	0	0	0	0	0	0
4	CHAR	5	3	0	0	0	0	8
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	5	3	1	0	0	0	9
8	KASHI	1	0	0	0	0	0	1
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	3	2	1	0	0	0	6
11	MAHULA	9	4	1	0	0	0	14
12	HALANDA	2	1	0	0	0	0	3
13	MUNDI	0	0	0	0	0	0	0
14	BELA	6	1	0	0	0	0	7
15	JAMUN	5	4	3	0	0	0	12
16	AMLA	3	0	0	0	0	0	3
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	9	5	1	0	0	0	15
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	5	3	0	0	0	0	8
24	MISC.	31	5	4	0	0	0	40
	Total:	110	40	16	0	0	0	166

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 25 Method: 1% Systematic Strip Enum.
Forest Block: Badagada 'C' UDPF Total Area (Ha.) : 270.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 2.50 Grid Length in mtrs: 625.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	24	6	0	0	0	0	30
3	ASAN	0	0	0	0	0	0	0
4	CHAR	53	2	0	0	0	0	55
5	DHAURA	59	3	0	0	0	0	62
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	0	0	0	0	0	0	0
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	27	1	0	0	0	0	28
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	79	17	3	0	0	0	99
	Total:	242	29	3	0	0	0	274

Forest Range: Aska Comp. No.: 26 Method: 1% Systematic Strip Enum.
Forest Block: Badagada 'C' UDPF Total Area (Ha.) : 265.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 2.50 Grid Length in mtrs: 625.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	22	1	0	0	0	0	23
3	ASAN	18	2	0	0	0	0	20
4	CHAR	15	0	0	0	0	0	15
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	0	0	0	0	0	0	0
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	22	6	0	0	0	0	28
	Total:	77	9	0	0	0	0	86

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 27 Method: 1% Systematic Strip Enum.
Forest Block: Badagada 'C' UDPF Total Area (Ha.) : 355.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 4.00 Grid Length in mtrs: 1000.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	47	7	1	0	0	0	55
2	MAI	105	12	3	0	0	0	120
3	ASAN	63	7	0	0	0	0	70
4	CHAR	29	2	0	0	0	0	31
5	DHAURA	30	0	0	0	0	0	30
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	0	0	0	0	0	0	0
8	KASHI	13	1	0	0	0	0	14
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	23	1	0	0	0	0	24
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	16	3	0	0	0	0	19
16	AMLA	20	0	0	0	0	0	20
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	18	2	0	0	0	0	20
19	SISOO	19	3	1	0	0	0	23
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	113	12	2	0	0	0	127
	Total:	496	50	7	0	0	0	553

Forest Range: Aska Comp. No.: 28 Method: 1% Systematic Strip Enum.
Forest Block: Badagada 'C' UDPF Total Area (Ha.) : 200.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 4.50 Grid Length in mtrs: 1125.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	103	16	3	0	0	0	122
2	MAI	37	10	2	0	0	0	49
3	ASAN	53	6	2	0	0	0	61
4	CHAR	38	10	1	0	0	0	49
5	DHAURA	16	5	0	0	0	0	21
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	0	0	0	0	0	0	0
8	KASHI	12	1	0	0	0	0	13
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	10	0	0	0	0	0	10
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	13	0	0	0	0	0	13
14	BELA	0	0	0	0	0	0	0
15	JAMUN	12	0	0	0	0	0	12
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	9	0	0	0	0	0	9
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	20	6	2	0	0	0	28
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	109	17	6	0	0	0	132
	Total:	432	71	16	0	0	0	519

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Aska Comp. No.: 29 Method: 1% Systematic Strip Enum.
Forest Block: Badagada 'C' UDPF Total Area (Ha.) : 210.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 2.00 Grid Length in mtrs: 500.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	113	12	2	0	0	0	127
3	ASAN	0	0	0	0	0	0	0
4	CHAR	73	3	0	0	0	0	76
5	DHAURA	27	0	0	0	0	0	27
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	43	2	0	0	0	0	45
8	KASHI	6	0	0	0	0	0	6
9	HARIDA	3	0	0	0	0	0	3
10	BAHADA	6	0	0	0	0	0	6
11	MAHULA	30	0	0	0	0	0	30
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	12	0	0	0	0	0	12
14	BELA	22	0	0	0	0	0	22
15	JAMUN	8	7	2	0	0	0	17
16	AMLA	8	0	0	0	0	0	8
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	2	0	0	0	0	0	2
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	13	0	0	0	0	0	13
23	MANGO	9	3	4	0	0	0	16
24	MISC.	80	13	0	0	0	0	93
	Total:	455	40	8	0	0	0	503

Forest Range: Aska Comp. No.: 30 Method: 1% Systematic Strip Enum.
Forest Block: Badagada 'C' UDPF Total Area (Ha.) : 240.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.) : 2.50 Grid Length in mtrs: 625.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	105	18	0	0	0	0	123
3	ASAN	0	0	0	0	0	0	0
4	CHAR	39	7	0	0	0	0	46
5	DHAURA	55	12	3	1	0	0	71
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	48	4	0	0	0	0	52
8	KASHI	12	0	0	0	0	0	12
9	HARIDA	4	0	0	0	0	0	4
10	BAHADA	8	0	0	0	0	0	8
11	MAHULA	38	9	0	0	0	0	47
12	HALANDA	5	0	0	0	0	0	5
13	MUNDI	8	0	0	0	0	0	8
14	BELA	22	0	0	0	0	0	22
15	JAMUN	37	4	3	0	0	0	44
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	32	0	0	0	0	0	32
23	MANGO	13	0	0	0	0	0	13
24	MISC.	98	14	0	0	0	0	112
	Total:	524	68	6	1	0	0	599

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada
Forest Block: Badagada 'A'
UDPF

Comp. No.: 1
Total Area (Ha.): 205.00
Area of Enum. (Ha.): 0.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	42	17	0	0	0	0	59
3	ASAN	48	19	0	0	0	0	67
4	CHAR	49	19	0	0	0	0	68
5	DHAURA	37	12	2	0	0	0	51
6	KUSUM	17	0	0	0	0	0	17
7	KENDU	22	11	1	0	0	0	34
8	KASHI	22	0	0	0	0	0	22
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	12	2	0	0	0	0	14
11	MAHULA	17	4	0	0	0	0	21
12	HALANDA	23	4	0	0	0	0	27
13	MUNDI	0	0	0	0	0	0	0
14	BELA	12	1	0	0	0	0	13
15	JAMUN	13	3	0	0	0	0	16
16	AMLA	1	0	0	0	0	0	1
17	BANDHAN	27	12	0	0	0	0	39
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	158	37	13	1	0	0	209
	Total:	500	141	16	1	0	0	658

Forest Range: Badagada
Forest Block: Badagada 'A'
UDPF

Comp. No.: 2
Total Area (Ha.): 100.00
Area of Enum. (Ha.): 0.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	48	23	2	0	0	0	73
3	ASAN	77	17	4	0	0	0	98
4	CHAR	47	23	2	0	0	0	72
5	DHAURA	44	17	0	0	0	0	61
6	KUSUM	27	17	4	0	0	0	48
7	KENDU	28	22	0	0	0	0	50
8	KASHI	4	0	0	0	0	0	4
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	4	1	0	0	0	0	5
11	MAHULA	22	3	0	0	0	0	25
12	HALANDA	12	0	0	0	0	0	12
13	MUNDI	0	0	0	0	0	0	0
14	BELA	12	0	0	0	0	0	12
15	JAMUN	8	4	0	1	0	0	13
16	AMLA	2	0	0	0	0	0	2
17	BANDHAN	26	12	0	0	0	0	38
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	1	0	1
24	MISC.	154	37	12	0	0	0	203
	Total:	515	176	24	1	1	0	717

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada
Forest Block: Badagada 'A'
UDPF

Comp. No.: 3
Total Area (Ha.): 395.00
Area of Enum. (Ha.): 0.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	38	13	2	0	0	0	53
3	ASAN	103	39	7	0	0	0	149
4	CHAR	93	38	2	0	0	0	133
5	DHAURA	58	33	6	0	0	0	97
6	KUSUM	47	12	3	0	0	0	62
7	KENDU	48	32	8	0	0	0	88
8	KASHI	9	3	0	0	0	0	12
9	HARIDA	4	1	0	0	0	0	5
10	BAHADA	9	3	0	0	0	0	12
11	MAHULA	22	6	0	0	0	0	28
12	HALANDA	12	1	0	0	0	0	13
13	MUNDI	0	0	0	0	0	0	0
14	BELA	22	1	0	0	0	0	23
15	JAMUN	9	6	0	0	0	0	15
16	AMLA	12	1	0	0	0	0	13
17	BANDHAN	39	11	0	0	0	0	50
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	2	2	4
24	MISC.	189	73	33	3	0	0	298
	Total:	714	273	61	3	2	2	1055

Forest Range: Badagada
Forest Block: Badagada 'A'
UDPF

Comp. No.: 4
Total Area (Ha.): 380.00
Area of Enum. (Ha.): 0.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	92	32	7	0	0	0	131
3	ASAN	32	13	2	0	0	0	47
4	CHAR	21	4	2	0	0	0	27
5	DHAURA	17	7	1	0	0	0	25
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	7	1	0	0	0	0	8
8	KASHI	4	0	0	0	0	0	4
9	HARIDA	1	0	0	0	0	0	1
10	BAHADA	2	0	0	0	0	0	2
11	MAHULA	13	2	0	0	0	0	15
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	12	1	0	0	0	0	13
15	JAMUN	4	0	0	0	0	0	4
16	AMLA	7	1	0	0	0	0	8
17	BANDHAN	32	8	0	0	0	0	40
18	PIASAL	33	11	2	0	0	0	46
19	SISOO	1	0	0	0	0	0	1
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	1	1
24	MISC.	124	39	23	4	1	0	191
	Total:	402	119	37	4	1	1	564

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada
Forest Block: Badagada 'A'
UDPF

Comp. No.: 5
Total Area (Ha.): 345.00
Area of Enum. (Ha.): 0.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	67	18	2	0	0	0	87
3	ASAN	47	7	0	0	0	0	54
4	CHAR	37	7	0	0	0	0	44
5	DHAURA	37	1	0	0	0	0	38
6	KUSUM	17	0	0	0	0	0	17
7	KENDU	18	2	0	0	0	0	20
8	KASHI	2	0	0	0	0	0	2
9	HARIDA	3	1	0	0	0	0	4
10	BAHADA	3	1	0	0	0	0	4
11	MAHULA	19	3	0	0	0	0	22
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	1	0	0	0	0	0	1
14	BELA	14	0	0	0	0	0	14
15	JAMUN	22	7	0	0	0	0	29
16	AMLA	8	0	0	0	0	0	8
17	BANDHAN	2	0	0	0	0	0	2
18	PIASAL	22	3	2	0	0	0	27
19	SISOO	4	1	0	0	0	0	5
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	138	38	19	3	0	0	198
	Total:	461	89	23	3	0	0	576

Forest Range: Badagada
Forest Block: Badagada 'A'
UDPF

Comp. No.: 6
Total Area (Ha.): 285.00
Area of Enum. (Ha.): 0.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	48	18	4	0	0	0	70
3	ASAN	44	23	3	0	0	0	70
4	CHAR	63	23	2	0	0	0	88
5	DHAURA	14	0	0	0	0	0	14
6	KUSUM	7	0	0	0	0	0	7
7	KENDU	38	18	7	0	0	0	63
8	KASHI	4	0	0	0	0	0	4
9	HARIDA	3	0	0	0	0	0	3
10	BAHADA	3	1	0	0	0	0	4
11	MAHULA	14	3	0	0	0	0	17
12	HALANDA	8	0	0	0	0	0	8
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	28	12	2	1	0	0	43
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	7	1	0	0	0	0	8
18	PIASAL	13	7	1	0	0	0	21
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	2	0	0	0	0	0	2
23	MANGO	0	0	0	0	1	0	1
24	MISC.	169	74	13	2	1	0	259
	Total:	465	180	32	3	2	0	682

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada
Forest Block: Badagada 'A'
UDPF

Comp. No.: 7
Total Area (Ha.): 340.00
Area of Enum. (Ha.): 3.50

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 750.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	79	29	13	0	0	0	121
2	MAI	28	22	2	0	0	0	52
3	ASAN	17	7	2	0	0	0	26
4	CHAR	28	17	4	0	0	0	49
5	DHAURA	8	12	0	0	0	0	20
6	KUSUM	22	0	0	0	0	0	22
7	KENDU	40	19	9	3	1	0	72
8	KASHI	9	3	0	0	0	0	12
9	HARIDA	4	4	0	0	0	0	8
10	BAHADA	13	7	0	0	0	0	20
11	MAHULA	3	2	0	0	0	0	5
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	12	3	0	0	0	0	15
15	JAMUN	4	2	0	0	0	0	6
16	AMLA	3	1	0	0	0	0	4
17	BANDHAN	3	0	0	0	0	0	3
18	PIASAL	2	2	0	0	0	0	4
19	SISOO	3	1	0	0	0	0	4
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	12	0	0	0	0	0	12
23	MANGO	0	0	0	0	0	1	1
24	MISC.	183	84	24	8	0	0	299
	Total:	473	215	54	11	1	1	755

Forest Range: Badagada
Forest Block: Badagada 'A'
UDPF

Comp. No.: 8
Total Area (Ha.): 355.00
Area of Enum. (Ha.): 0.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	48	18	4	0	0	0	70
3	ASAN	44	23	3	0	0	0	70
4	CHAR	63	23	2	0	0	0	88
5	DHAURA	14	0	0	0	0	0	14
6	KUSUM	7	0	0	0	0	0	7
7	KENDU	38	18	7	0	0	0	63
8	KASHI	4	0	0	0	0	0	4
9	HARIDA	3	0	0	0	0	0	3
10	BAHADA	3	1	0	0	0	0	4
11	MAHULA	14	3	0	0	0	0	17
12	HALANDA	8	0	0	0	0	0	8
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	28	12	2	1	0	0	43
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	7	1	0	0	0	0	8
18	PIASAL	13	7	1	0	0	0	21
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	2	0	0	0	0	0	2
23	MANGO	0	0	0	0	1	0	1
24	MISC.	169	74	13	2	1	0	259
	Total:	465	180	32	3	2	0	682

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada
Forest Block: Badagada 'A'
UDPF

Comp. No.: 9
Total Area (Ha.): 430.00
Area of Enum. (Ha.): 4.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 1000.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	30	10	3	1	0	0	44
3	ASAN	12	1	0	0	0	0	13
4	CHAR	8	0	0	0	0	0	8
5	DHAURA	3	0	0	0	0	0	3
6	KUSUM	19	1	0	0	0	0	20
7	KENDU	18	0	0	0	0	0	18
8	KASHI	13	0	0	0	0	0	13
9	HARIDA	4	0	0	0	0	0	4
10	BAHADA	3	0	0	0	0	0	3
11	MAHULA	30	10	1	0	0	0	41
12	HALANDA	2	0	0	0	0	0	2
13	MUNDI	4	0	0	0	0	0	4
14	BELA	7	0	0	0	0	0	7
15	JAMUN	21	0	0	0	0	0	21
16	AMLA	8	0	0	0	0	0	8
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	23	2	0	0	0	0	25
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	2	0	0	0	0	0	2
23	MANGO	7	2	2	2	0	0	13
24	MISC.	111	0	0	0	0	0	111
	Total:	325	26	6	3	0	0	360

Forest Range: Badagada
Forest Block: Badagada 'A'
UDPF

Comp. No.: 10
Total Area (Ha.): 220.00
Area of Enum. (Ha.): 2.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 500.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	27	11	3	0	0	0	41
3	ASAN	0	0	0	0	0	0	0
4	CHAR	22	0	0	0	0	0	22
5	DHAURA	23	0	0	0	0	0	23
6	KUSUM	3	0	0	0	0	0	3
7	KENDU	19	0	0	0	0	0	19
8	KASHI	27	0	0	0	0	0	27
9	HARIDA	3	0	0	0	0	0	3
10	BAHADA	11	0	0	0	0	0	11
11	MAHULA	17	6	0	0	0	0	23
12	HALANDA	5	0	0	0	0	0	5
13	MUNDI	2	0	0	0	0	0	2
14	BELA	11	0	0	0	0	0	11
15	JAMUN	16	0	0	0	0	0	16
16	AMLA	15	0	0	0	0	0	15
17	BANDHAN	5	0	0	0	0	0	5
18	PIASAL	22	0	0	0	0	0	22
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	2	0	0	0	0	0	2
22	SIDHA	8	0	0	0	0	0	8
23	MANGO	13	2	1	0	0	0	16
24	MISC.	108	0	0	0	0	0	108
	Total:	359	19	4	0	0	0	382

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada
Forest Block: Badagada 'A'
UDPF

Comp. No.: 11
Total Area (Ha.): 250.00
Area of Enum. (Ha.): 2.50

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 625.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	36	7	1	0	0	0	44
3	ASAN	2	0	0	0	0	0	2
4	CHAR	27	2	0	0	0	0	29
5	DHAURA	24	0	0	0	0	0	24
6	KUSUM	4	0	0	0	0	0	4
7	KENDU	27	1	0	0	0	0	28
8	KASHI	24	0	0	0	0	0	24
9	HARIDA	2	0	0	0	0	0	2
10	BAHADA	11	0	0	0	0	0	11
11	MAHULA	31	5	0	0	0	0	36
12	HALANDA	2	0	0	0	0	0	2
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	12	0	0	0	0	0	12
16	AMLA	12	0	0	0	0	0	12
17	BANDHAN	2	0	0	0	0	0	2
18	PIASAL	21	1	0	0	0	0	22
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	13	0	0	0	0	0	13
23	MANGO	13	0	0	0	0	0	13
24	MISC.	81	0	0	0	0	0	81
	Total:	344	16	1	0	0	0	361

Forest Range: Badagada
Forest Block: Badagada 'A'
UDPF

Comp. No.: 12
Total Area (Ha.): 375.00
Area of Enum. (Ha.): 4.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 1000.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	2	0	0	0	0	0	2
3	ASAN	0	0	0	0	0	0	0
4	CHAR	53	2	0	0	0	0	55
5	DHAURA	42	0	0	0	0	0	42
6	KUSUM	2	0	0	0	0	0	2
7	KENDU	32	0	0	0	0	0	32
8	KASHI	14	0	0	0	0	0	14
9	HARIDA	2	0	0	0	0	0	2
10	BAHADA	6	0	0	0	0	0	6
11	MAHULA	31	10	1	0	0	0	42
12	HALANDA	2	0	0	0	0	0	2
13	MUNDI	6	0	0	0	0	0	6
14	BELA	9	0	0	0	0	0	9
15	JAMUN	8	3	2	0	0	0	13
16	AMLA	13	0	0	0	0	0	13
17	BANDHAN	7	0	0	0	0	0	7
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	7	0	0	0	0	0	7
23	MANGO	8	2	3	0	0	0	13
24	MISC.	77	0	0	0	0	0	77
	Total:	321	17	6	0	0	0	344

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada
Forest Block: Badagada 'A'
UDPF

Comp. No.: 13
Total Area (Ha.): 270.00
Area of Enum. (Ha.): 3.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 750.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	8	0	0	0	0	0	8
3	ASAN	0	0	0	0	0	0	0
4	CHAR	28	0	0	0	0	0	28
5	DHAURA	32	3	0	0	0	0	35
6	KUSUM	17	3	0	0	0	0	20
7	KENDU	22	0	0	0	0	0	22
8	KASHI	10	0	0	0	0	0	10
9	HARIDA	3	0	0	0	0	0	3
10	BAHADA	7	0	0	0	0	0	7
11	MAHULA	27	6	0	0	0	0	33
12	HALANDA	19	0	0	0	0	0	19
13	MUNDI	3	0	0	0	0	0	3
14	BELA	8	0	0	0	0	0	8
15	JAMUN	19	3	2	1	0	0	25
16	AMLA	7	2	0	0	0	0	9
17	BANDHAN	7	1	0	0	0	0	8
18	PIASAL	8	0	0	0	0	0	8
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	2	0	0	0	0	0	2
22	SIDHA	16	0	0	0	0	0	16
23	MANGO	13	1	3	0	0	0	17
24	MISC.	93	0	0	0	0	0	93
	Total:	349	19	5	1	0	0	374

Forest Range: Badagada
Forest Block: Badagada 'A'
UDPF

Comp. No.: 14
Total Area (Ha.): 355.00
Area of Enum. (Ha.): 2.50

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 625.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	33	8	3	0	0	0	44
3	ASAN	0	0	0	0	0	0	0
4	CHAR	34	6	0	0	0	0	40
5	DHAURA	23	0	0	0	0	0	23
6	KUSUM	2	0	0	0	0	0	2
7	KENDU	21	1	0	0	0	0	22
8	KASHI	22	0	0	0	0	0	22
9	HARIDA	7	0	0	0	0	0	7
10	BAHADA	6	0	0	0	0	0	6
11	MAHULA	37	8	2	0	0	0	47
12	HALANDA	12	0	0	0	0	0	12
13	MUNDI	8	0	0	0	0	0	8
14	BELA	9	0	0	0	0	0	9
15	JAMUN	16	3	6	0	0	0	25
16	AMLA	17	0	0	0	0	0	17
17	BANDHAN	6	0	0	0	0	0	6
18	PIASAL	17	0	0	0	0	0	17
19	SISOO	8	1	0	0	0	0	9
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	2	0	0	0	0	0	2
22	SIDHA	11	0	0	0	0	0	11
23	MANGO	7	3	2	1	0	0	13
24	MISC.	83	0	0	0	0	0	83
	Total:	381	30	13	1	0	0	425

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada
Forest Block: Badagada 'A'
UDPF

Comp. No.: 15
Total Area (Ha.): 655.00
Area of Enum. (Ha.): 6.50

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 1625.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	48	18	4	0	0	0	70
3	ASAN	44	23	3	0	0	0	70
4	CHAR	63	23	2	0	0	0	88
5	DHAURA	14	0	0	0	0	0	14
6	KUSUM	7	0	0	0	0	0	7
7	KENDU	38	18	7	0	0	0	63
8	KASHI	4	0	0	0	0	0	4
9	HARIDA	3	0	0	0	0	0	3
10	BAHADA	3	1	0	0	0	0	4
11	MAHULA	14	3	0	0	0	0	17
12	HALANDA	8	0	0	0	0	0	8
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	28	12	2	1	0	0	43
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	7	1	0	0	0	0	8
18	PIASAL	13	7	1	0	0	0	21
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	2	0	0	0	0	0	2
23	MANGO	0	0	0	0	1	0	1
24	MISC.	169	74	13	2	1	0	259
	Total:	465	180	32	3	2	0	682

Forest Range: Badagada
Forest Block: Badagada 'A'
UDPF

Comp. No.: 16
Total Area (Ha.): 530.00
Area of Enum. (Ha.): 5.50

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 1375.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	1	0	0	0	1
2	MAI	33	12	1	0	0	0	46
3	ASAN	72	23	2	0	0	0	97
4	CHAR	89	27	3	0	0	0	119
5	DHAURA	29	4	1	0	0	0	34
6	KUSUM	12	0	0	0	0	0	12
7	KENDU	43	16	4	0	0	0	63
8	KASHI	4	1	0	0	0	0	5
9	HARIDA	2	0	0	0	0	0	2
10	BAHADA	4	1	0	0	0	0	5
11	MAHULA	23	2	0	0	0	0	25
12	HALANDA	8	2	0	0	0	0	10
13	MUNDI	0	0	0	0	0	0	0
14	BELA	9	0	0	0	0	0	9
15	JAMUN	7	2	0	0	0	0	9
16	AMLA	2	0	0	0	0	0	2
17	BANDHAN	38	9	0	0	0	0	47
18	PIASAL	2	0	0	0	0	0	2
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	1	0	0	0	0	0	1
23	MANGO	0	0	0	0	0	1	1
24	MISC.	174	54	17	2	0	0	247
	Total:	552	153	29	2	0	1	737

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada
Forest Block: Badagada 'A'
UDPF

Comp. No.: 17
Total Area (Ha.): 315.00
Area of Enum. (Ha.): 3.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 750.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	92	32	7	0	0	0	131
3	ASAN	32	13	2	0	0	0	47
4	CHAR	21	4	2	0	0	0	27
5	DHAURA	17	7	1	0	0	0	25
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	7	1	0	0	0	0	8
8	KASHI	4	0	0	0	0	0	4
9	HARIDA	1	0	0	0	0	0	1
10	BAHADA	2	0	0	0	0	0	2
11	MAHULA	13	2	0	0	0	0	15
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	12	1	0	0	0	0	13
15	JAMUN	4	0	0	0	0	0	4
16	AMLA	7	1	0	0	0	0	8
17	BANDHAN	32	8	0	0	0	0	40
18	PIASAL	33	11	2	0	0	0	46
19	SISOO	1	0	0	0	0	0	1
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	1	1
24	MISC.	124	39	23	4	1	0	191
	Total:	402	119	37	4	1	1	564

Forest Range: Badagada
Forest Block: Badagada 'A'
UDPF

Comp. No.: 18
Total Area (Ha.): 435.00
Area of Enum. (Ha.): 4.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 1000.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	87	31	7	0	0	0	125
3	ASAN	38	17	2	0	0	0	57
4	CHAR	54	17	5	0	0	0	76
5	DHAURA	9	7	0	0	0	0	16
6	KUSUM	6	0	0	0	0	0	6
7	KENDU	12	1	0	0	0	0	13
8	KASHI	3	0	0	0	0	0	3
9	HARIDA	2	0	0	0	0	0	2
10	BAHADA	6	0	0	0	0	0	6
11	MAHULA	27	4	0	0	0	0	31
12	HALANDA	6	0	0	0	0	0	6
13	MUNDI	0	0	0	0	0	0	0
14	BELA	12	1	0	0	0	0	13
15	JAMUN	14	3	0	0	0	0	17
16	AMLA	12	3	0	0	0	0	15
17	BANDHAN	7	0	0	0	0	0	7
18	PIASAL	23	8	3	0	0	0	34
19	SISOO	17	3	0	0	0	0	20
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	3	0	0	0	0	0	3
23	MANGO	0	0	0	0	1	1	2
24	MISC.	148	42	17	1	0	0	208
	Total:	486	137	34	1	1	1	660

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada
Forest Block: Badagada 'A'
UDPF

Comp. No.: 19
Total Area (Ha.): 345.00
Area of Enum. (Ha.): 4.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 1000.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	67	18	2	0	0	0	87
3	ASAN	47	7	0	0	0	0	54
4	CHAR	37	7	0	0	0	0	44
5	DHAURA	37	1	0	0	0	0	38
6	KUSUM	17	0	0	0	0	0	17
7	KENDU	18	2	0	0	0	0	20
8	KASHI	2	0	0	0	0	0	2
9	HARIDA	3	1	0	0	0	0	4
10	BAHADA	3	1	0	0	0	0	4
11	MAHULA	19	3	0	0	0	0	22
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	1	0	0	0	0	0	1
14	BELA	14	0	0	0	0	0	14
15	JAMUN	22	7	0	0	0	0	29
16	AMLA	8	0	0	0	0	0	8
17	BANDHAN	2	0	0	0	0	0	2
18	PIASAL	22	3	2	0	0	0	27
19	SISOO	4	1	0	0	0	0	5
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	138	38	19	3	0	0	198
	Total:	461	89	23	3	0	0	576

Forest Range: Badagada
Forest Block: Badagada 'A'
UDPF

Comp. No.: 20
Total Area (Ha.): 820.00
Area of Enum. (Ha.): 8.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 2000.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	38	13	2	0	0	0	53
3	ASAN	103	39	7	0	0	0	149
4	CHAR	93	38	2	0	0	0	133
5	DHAURA	58	33	6	0	0	0	97
6	KUSUM	47	12	3	0	0	0	62
7	KENDU	48	32	8	0	0	0	88
8	KASHI	9	3	0	0	0	0	12
9	HARIDA	4	1	0	0	0	0	5
10	BAHADA	9	3	0	0	0	0	12
11	MAHULA	22	6	0	0	0	0	28
12	HALANDA	12	1	0	0	0	0	13
13	MUNDI	0	0	0	0	0	0	0
14	BELA	22	1	0	0	0	0	23
15	JAMUN	9	6	0	0	0	0	15
16	AMLA	12	1	0	0	0	0	13
17	BANDHAN	39	11	0	0	0	0	50
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	2	2	4
24	MISC.	189	73	33	3	0	0	298
	Total:	714	273	61	3	2	2	1055

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada
Forest Block: Badagada 'A'
UDPF

Comp. No.: 21
Total Area (Ha.): 535.00
Area of Enum. (Ha.): 5.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 1250.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	42	17	0	0	0	0	59
3	ASAN	48	19	0	0	0	0	67
4	CHAR	49	19	0	0	0	0	68
5	DHAURA	37	12	2	0	0	0	51
6	KUSUM	17	0	0	0	0	0	17
7	KENDU	22	11	1	0	0	0	34
8	KASHI	22	0	0	0	0	0	22
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	12	2	0	0	0	0	14
11	MAHULA	17	4	0	0	0	0	21
12	HALANDA	23	4	0	0	0	0	27
13	MUNDI	0	0	0	0	0	0	0
14	BELA	12	1	0	0	0	0	13
15	JAMUN	13	3	0	0	0	0	16
16	AMLA	1	0	0	0	0	0	1
17	BANDHAN	27	12	0	0	0	0	39
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	158	37	13	1	0	0	209
	Total:	500	141	16	1	0	0	658

Forest Range: Badagada
Forest Block: Badagada 'A'
UDPF

Comp. No.: 22
Total Area (Ha.): 295.00
Area of Enum. (Ha.): 3.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 750.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	48	23	2	0	0	0	73
3	ASAN	77	17	4	0	0	0	98
4	CHAR	47	23	2	0	0	0	72
5	DHAURA	44	17	0	0	0	0	61
6	KUSUM	27	17	4	0	0	0	48
7	KENDU	28	22	0	0	0	0	50
8	KASHI	4	0	0	0	0	0	4
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	4	1	0	0	0	0	5
11	MAHULA	22	3	0	0	0	0	25
12	HALANDA	12	0	0	0	0	0	12
13	MUNDI	0	0	0	0	0	0	0
14	BELA	12	0	0	0	0	0	12
15	JAMUN	8	4	0	1	0	0	13
16	AMLA	2	0	0	0	0	0	2
17	BANDHAN	26	12	0	0	0	0	38
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	1	0	1
24	MISC.	154	37	12	0	0	0	203
	Total:	515	176	24	1	1	0	717

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada
Forest Block: Badagada 'A'
UDPF

Comp. No.: 23
Total Area (Ha.): 275.00
Area of Enum. (Ha.): 3.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 750.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	48	23	0	0	0	0	71
3	ASAN	38	18	0	0	0	0	56
4	CHAR	34	14	0	0	0	0	48
5	DHAURA	23	12	0	0	0	0	35
6	KUSUM	22	0	0	0	0	0	22
7	KENDU	28	16	1	0	0	0	45
8	KASHI	7	0	0	0	0	0	7
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	2	0	0	0	0	0	2
11	MAHULA	22	7	0	0	0	0	29
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	12	0	0	0	0	0	12
15	JAMUN	8	1	2	0	0	0	11
16	AMLA	1	0	0	0	0	0	1
17	BANDHAN	13	2	0	0	0	0	15
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	22	0	0	0	0	0	22
20	TEAK	23	0	0	0	0	0	23
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	1	0	0	1
24	MISC.	104	24	8	0	0	0	136
	Total:	407	117	11	1	0	0	536

Forest Range: Badagada
Forest Block: Badagada 'A'
UDPF

Comp. No.: 24
Total Area (Ha.): 260.00
Area of Enum. (Ha.): 2.50

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 625.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	39	19	0	0	0	0	58
3	ASAN	48	12	0	0	0	0	60
4	CHAR	42	8	0	0	0	0	50
5	DHAURA	27	13	0	0	0	0	40
6	KUSUM	9	2	0	0	0	0	11
7	KENDU	14	6	0	0	0	0	20
8	KASHI	11	0	0	0	0	0	11
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	6	1	0	0	0	0	7
11	MAHULA	17	2	0	0	0	0	19
12	HALANDA	9	0	0	0	0	0	9
13	MUNDI	0	0	0	0	0	0	0
14	BELA	18	0	0	0	0	0	18
15	JAMUN	4	1	0	0	0	0	5
16	AMLA	1	0	0	0	0	0	1
17	BANDHAN	7	0	0	0	0	0	7
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	123	28	8	0	0	0	159
	Total:	375	92	8	0	0	0	475

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada
Forest Block: Badagada 'A'
UDPF

Comp. No.: 25
Total Area (Ha.): 365.00
Area of Enum. (Ha.): 3.50

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 875.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	64	23	1	0	0	0	88
3	ASAN	19	7	0	0	0	0	26
4	CHAR	54	29	4	0	0	0	87
5	DHAURA	32	17	6	0	0	0	55
6	KUSUM	8	6	1	0	0	0	15
7	KENDU	28	12	4	0	0	0	44
8	KASHI	12	0	0	0	0	0	12
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	8	2	0	0	0	0	10
11	MAHULA	19	6	0	0	0	0	25
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	18	0	0	0	0	0	18
15	JAMUN	13	6	1	0	0	0	20
16	AMLA	2	0	0	0	0	0	2
17	BANDHAN	17	4	0	0	0	0	21
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	1	1
24	MISC.	138	42	16	1	0	0	197
	Total:	432	154	33	1	0	1	621

Forest Range: Badagada
Forest Block: Raipada RF
Period of Enum.: 0

Comp. No.: 1
Total Area (Ha.): 506.65
Area of Enum. (Ha.): 0.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	27	11	3	0	0	0	41
3	ASAN	0	0	0	0	0	0	0
4	CHAR	22	0	0	0	0	0	22
5	DHAURA	23	0	0	0	0	0	23
6	KUSUM	3	0	0	0	0	0	3
7	KENDU	19	0	0	0	0	0	19
8	KASHI	27	0	0	0	0	0	27
9	HARIDA	3	0	0	0	0	0	3
10	BAHADA	11	0	0	0	0	0	11
11	MAHULA	17	6	0	0	0	0	23
12	HALANDA	5	0	0	0	0	0	5
13	MUNDI	2	0	0	0	0	0	2
14	BELA	11	0	0	0	0	0	11
15	JAMUN	16	0	0	0	0	0	16
16	AMLA	15	0	0	0	0	0	15
17	BANDHAN	5	0	0	0	0	0	5
18	PIASAL	22	0	0	0	0	0	22
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	2	0	0	0	0	0	2
22	SIDHA	8	0	0	0	0	0	8
23	MANGO	13	2	1	0	0	0	16
24	MISC.	108	0	0	0	0	0	108
	Total:	359	19	4	0	0	0	382

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada Comp. No.: 2 Method: 1% Systematic Strip Enum.
Forest Block: Raipada RF Total Area (Ha.): 506.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 5.00 Grid Length in mtrs: 1250.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	72	8	0	0	0	0	80
3	ASAN	0	0	0	0	0	0	0
4	CHAR	0	0	0	0	0	0	0
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	8	0	0	0	0	0	8
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	11	1	0	0	0	0	12
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	13	0	0	0	0	0	13
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	119	11	3	0	0	0	133
	Total:	223	20	3	0	0	0	246

Forest Range: Badagada Comp. No.: 3 Method: 1% Systematic Strip Enum.
Forest Block: Raipada RF Total Area (Ha.): 554.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 5.50 Grid Length in mtrs: 1375.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	134	16	0	0	0	0	150
3	ASAN	0	0	0	0	0	0	0
4	CHAR	0	0	0	0	0	0	0
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	19	0	0	0	0	0	19
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	22	0	0	0	0	0	22
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	195	23	2	0	0	0	220
	Total:	370	39	2	0	0	0	411

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada Comp. No.: 4 Method: 1% Systematic Strip Enum.
Forest Block: Raipada RF Total Area (Ha.): 489.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 4.50 Grid Length in mtrs: 1125.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	112	15	0	0	0	0	127
3	ASAN	0	0	0	0	0	0	0
4	CHAR	47	0	0	0	0	0	47
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	20	4	0	0	0	0	24
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	25	0	0	0	0	0	25
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	17	0	0	0	0	0	17
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	139	7	3	0	0	0	149
	Total:	360	26	3	0	0	0	389

Forest Range: Badagada Comp. No.: 5 Method: 1% Systematic Strip Enum.
Forest Block: Raipada RF Total Area (Ha.): 719.30 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	112	10	0	0	0	0	122
3	ASAN	0	0	0	0	0	0	0
4	CHAR	0	0	0	0	0	0	0
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	9	0	1	1	0	0	11
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	1	1	0	0	2
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	12	4	0	0	0	0	16
15	JAMUN	0	0	1	0	0	0	1
16	AMLA	0	0	1	0	0	0	1
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	95	24	4	0	0	0	123
	Total:	228	38	8	2	0	0	276

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada
Forest Block: Badagada 'B'
UDPF

Comp. No.: 1
Total Area (Ha.): 540.00
Area of Enum. (Ha.): 5.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 1250.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	138	30	7	1	0	0	176
3	ASAN	0	0	0	0	0	0	0
4	CHAR	79	11	0	0	0	0	90
5	DHAURA	57	0	0	0	0	0	57
6	KUSUM	13	0	0	0	0	0	13
7	KENDU	68	0	0	0	0	0	68
8	KASHI	37	0	0	0	0	0	37
9	HARIDA	14	0	0	0	0	0	14
10	BAHADA	22	0	0	0	0	0	22
11	MAHULA	80	28	2	0	0	0	110
12	HALANDA	7	0	0	0	0	0	7
13	MUNDI	0	0	0	0	0	0	0
14	BELA	28	0	0	0	0	0	28
15	JAMUN	26	15	4	3	0	0	48
16	AMLA	22	0	0	0	0	0	22
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	9	0	0	0	0	0	9
23	MANGO	35	9	5	3	0	0	52
24	MISC.	86	0	0	0	0	0	86
	Total:	721	93	18	7	0	0	839

Forest Range: Badagada
Forest Block: Badagada 'B'
UDPF

Comp. No.: 2
Total Area (Ha.): 290.00
Area of Enum. (Ha.): 0.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	87	31	7	0	0	0	125
3	ASAN	38	17	2	0	0	0	57
4	CHAR	54	17	5	0	0	0	76
5	DHAURA	9	7	0	0	0	0	16
6	KUSUM	6	0	0	0	0	0	6
7	KENDU	12	1	0	0	0	0	13
8	KASHI	3	0	0	0	0	0	3
9	HARIDA	2	0	0	0	0	0	2
10	BAHADA	6	0	0	0	0	0	6
11	MAHULA	27	4	0	0	0	0	31
12	HALANDA	6	0	0	0	0	0	6
13	MUNDI	0	0	0	0	0	0	0
14	BELA	12	1	0	0	0	0	13
15	JAMUN	14	3	0	0	0	0	17
16	AMLA	12	3	0	0	0	0	15
17	BANDHAN	7	0	0	0	0	0	7
18	PIASAL	23	8	3	0	0	0	34
19	SISOO	17	3	0	0	0	0	20
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	3	0	0	0	0	0	3
23	MANGO	0	0	0	0	1	1	2
24	MISC.	148	42	17	1	0	0	208
	Total:	486	137	34	1	1	1	660

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada
Forest Block: Badagada 'B'
UDPF

Comp. No.: 3
Total Area (Ha.): 465.00
Area of Enum. (Ha.): 0.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	1	0	0	0	1
2	MAI	33	12	1	0	0	0	46
3	ASAN	72	23	2	0	0	0	97
4	CHAR	89	27	3	0	0	0	119
5	DHAURA	29	4	1	0	0	0	34
6	KUSUM	12	0	0	0	0	0	12
7	KENDU	43	16	4	0	0	0	63
8	KASHI	4	1	0	0	0	0	5
9	HARIDA	2	0	0	0	0	0	2
10	BAHADA	4	1	0	0	0	0	5
11	MAHULA	23	2	0	0	0	0	25
12	HALANDA	8	2	0	0	0	0	10
13	MUNDI	0	0	0	0	0	0	0
14	BELA	9	0	0	0	0	0	9
15	JAMUN	7	2	0	0	0	0	9
16	AMLA	2	0	0	0	0	0	2
17	BANDHAN	38	9	0	0	0	0	47
18	PIASAL	2	0	0	0	0	0	2
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	1	0	0	0	0	0	1
23	MANGO	0	0	0	0	0	1	1
24	MISC.	174	54	17	2	0	0	247
	Total:	552	153	29	2	0	1	737

Forest Range: Badagada
Forest Block: Badagada 'B'
UDPF

Comp. No.: 4
Total Area (Ha.): 190.00
Area of Enum. (Ha.): 0.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	53	7	0	0	0	0	60
2	MAI	63	17	2	0	0	0	82
3	ASAN	0	0	0	0	0	0	0
4	CHAR	28	9	0	0	0	0	37
5	DHAURA	27	0	0	0	0	0	27
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	48	0	0	0	0	0	48
8	KASHI	23	0	0	0	0	0	23
9	HARIDA	4	0	0	0	0	0	4
10	BAHADA	3	0	0	0	0	0	3
11	MAHULA	26	3	2	0	0	0	31
12	HALANDA	2	0	0	0	0	0	2
13	MUNDI	3	0	0	0	0	0	3
14	BELA	16	0	0	0	0	0	16
15	JAMUN	12	3	3	1	0	0	19
16	AMLA	11	0	0	0	0	0	11
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	21	0	0	0	0	0	21
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	3	0	0	0	0	0	3
23	MANGO	11	4	3	1	0	0	19
24	MISC.	94	12	1	0	0	0	107
	Total:	448	55	11	2	0	0	516

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada
Forest Block: Badagada 'B'
UDPF

Comp. No.: 5
Total Area (Ha.): 205.00
Area of Enum. (Ha.): 2.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 500.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	88	7	2	0	0	0	97
3	ASAN	0	0	0	0	0	0	0
4	CHAR	57	2	0	0	0	0	59
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	24	0	0	0	0	0	24
7	KENDU	12	1	0	0	0	0	13
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	23	0	0	0	0	0	23
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	18	1	0	0	0	0	19
15	JAMUN	13	0	0	0	0	0	13
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	34	6	2	0	0	0	42
	Total:	269	17	4	0	0	0	290

Forest Range: Badagada
Forest Block: Badagada 'B'
UDPF

Comp. No.: 6
Total Area (Ha.): 555.00
Area of Enum. (Ha.): 0.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	63	3	0	0	0	0	66
2	MAI	58	15	4	1	0	0	78
3	ASAN	0	0	0	0	0	0	0
4	CHAR	52	0	0	0	0	0	52
5	DHAURA	43	3	0	0	0	0	46
6	KUSUM	7	0	0	0	0	0	7
7	KENDU	47	0	0	0	0	0	47
8	KASHI	17	0	0	0	0	0	17
9	HARIDA	8	0	0	0	0	0	8
10	BAHADA	11	0	0	0	0	0	11
11	MAHULA	62	13	0	0	0	0	75
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	48	0	0	0	0	0	48
15	JAMUN	31	8	4	1	0	0	44
16	AMLA	17	0	0	0	0	0	17
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	32	0	0	0	0	0	32
19	SISOO	6	0	0	0	0	0	6
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	2	0	0	0	0	0	2
23	MANGO	13	4	3	2	0	0	22
24	MISC.	103	7	0	0	0	0	110
	Total:	620	53	11	4	0	0	688

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada
Forest Block: Badagada 'B'
UDPF

Comp. No.: 7
Total Area (Ha.): 670.00
Area of Enum. (Ha.): 7.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 1750.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	143	41	16	0	0	0	200
3	ASAN	0	0	0	0	0	0	0
4	CHAR	78	9	0	0	0	0	87
5	DHAURA	74	11	0	0	0	0	85
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	123	5	0	0	0	0	128
8	KASHI	47	0	0	0	0	0	47
9	HARIDA	14	0	0	0	0	0	14
10	BAHADA	22	0	0	0	0	0	22
11	MAHULA	118	21	4	0	0	0	143
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	48	0	0	0	0	0	48
15	JAMUN	75	37	13	0	0	0	125
16	AMLA	48	0	0	0	0	0	48
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	83	0	0	0	0	0	83
19	SISOO	26	0	0	0	0	0	26
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	37	0	0	0	0	0	37
23	MANGO	34	17	8	4	0	0	63
24	MISC.	335	39	0	0	0	0	374
	Total:	1305	180	41	4	0	0	1530

Forest Range: Badagada
Forest Block: Badagada 'B'
UDPF

Comp. No.: 8
Total Area (Ha.): 460.00
Area of Enum. (Ha.): 0.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	48	23	2	0	0	0	73
3	ASAN	77	17	4	0	0	0	98
4	CHAR	47	23	2	0	0	0	72
5	DHAURA	44	17	0	0	0	0	61
6	KUSUM	27	17	4	0	0	0	48
7	KENDU	28	22	0	0	0	0	50
8	KASHI	4	0	0	0	0	0	4
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	4	1	0	0	0	0	5
11	MAHULA	22	3	0	0	0	0	25
12	HALANDA	12	0	0	0	0	0	12
13	MUNDI	0	0	0	0	0	0	0
14	BELA	12	0	0	0	0	0	12
15	JAMUN	8	4	0	1	0	0	13
16	AMLA	2	0	0	0	0	0	2
17	BANDHAN	26	12	0	0	0	0	38
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	1	0	1
24	MISC.	154	37	12	0	0	0	203
	Total:	515	176	24	1	1	0	717

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada
Forest Block: Badagada 'B'
UDPF

Comp. No.: 9
Total Area (Ha.): 140.00
Area of Enum. (Ha.): 1.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 250.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	53	7	0	0	0	0	60
2	MAI	63	17	2	0	0	0	82
3	ASAN	0	0	0	0	0	0	0
4	CHAR	28	9	0	0	0	0	37
5	DHAURA	27	0	0	0	0	0	27
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	48	0	0	0	0	0	48
8	KASHI	23	0	0	0	0	0	23
9	HARIDA	4	0	0	0	0	0	4
10	BAHADA	3	0	0	0	0	0	3
11	MAHULA	26	3	2	0	0	0	31
12	HALANDA	2	0	0	0	0	0	2
13	MUNDI	3	0	0	0	0	0	3
14	BELA	16	0	0	0	0	0	16
15	JAMUN	12	3	3	1	0	0	19
16	AMLA	11	0	0	0	0	0	11
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	21	0	0	0	0	0	21
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	3	0	0	0	0	0	3
23	MANGO	11	4	3	1	0	0	19
24	MISC.	94	12	1	0	0	0	107
	Total:	448	55	11	2	0	0	516

Forest Range: Badagada
Forest Block: Badagada 'B'
UDPF

Comp. No.: 10
Total Area (Ha.): 190.00
Area of Enum. (Ha.): 2.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 500.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	63	3	0	0	0	0	66
2	MAI	58	15	4	1	0	0	78
3	ASAN	0	0	0	0	0	0	0
4	CHAR	52	0	0	0	0	0	52
5	DHAURA	43	3	0	0	0	0	46
6	KUSUM	7	0	0	0	0	0	7
7	KENDU	47	0	0	0	0	0	47
8	KASHI	17	0	0	0	0	0	17
9	HARIDA	8	0	0	0	0	0	8
10	BAHADA	11	0	0	0	0	0	11
11	MAHULA	62	13	0	0	0	0	75
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	48	0	0	0	0	0	48
15	JAMUN	31	8	4	1	0	0	44
16	AMLA	17	0	0	0	0	0	17
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	32	0	0	0	0	0	32
19	SISOO	6	0	0	0	0	0	6
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	2	0	0	0	0	0	2
23	MANGO	13	4	3	2	0	0	22
24	MISC.	103	7	0	0	0	0	110
	Total:	620	53	11	4	0	0	688

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada
Forest Block: Goudagotha
DPF

Comp. No.: 1
Total Area (Ha.): 237.50
Area of Enum. (Ha.): 0.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	138	30	7	1	0	0	176
3	ASAN	0	0	0	0	0	0	0
4	CHAR	79	11	0	0	0	0	90
5	DHAURA	57	0	0	0	0	0	57
6	KUSUM	13	0	0	0	0	0	13
7	KENDU	68	0	0	0	0	0	68
8	KASHI	37	0	0	0	0	0	37
9	HARIDA	14	0	0	0	0	0	14
10	BAHADA	22	0	0	0	0	0	22
11	MAHULA	80	28	2	0	0	0	110
12	HALANDA	7	0	0	0	0	0	7
13	MUNDI	0	0	0	0	0	0	0
14	BELA	28	0	0	0	0	0	28
15	JAMUN	26	15	4	3	0	0	48
16	AMLA	22	0	0	0	0	0	22
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	9	0	0	0	0	0	9
23	MANGO	35	9	5	3	0	0	52
24	MISC.	86	0	0	0	0	0	86
	Total:	721	93	18	7	0	0	839

Forest Range: Badagada
Forest Block: Goudagotha DPF
UDPF

Comp. No.: 2
Total Area (Ha.): 240.00
Area of Enum. (Ha.): 0.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	87	31	7	0	0	0	125
3	ASAN	38	17	2	0	0	0	57
4	CHAR	54	17	5	0	0	0	76
5	DHAURA	9	7	0	0	0	0	16
6	KUSUM	6	0	0	0	0	0	6
7	KENDU	12	1	0	0	0	0	13
8	KASHI	3	0	0	0	0	0	3
9	HARIDA	2	0	0	0	0	0	2
10	BAHADA	6	0	0	0	0	0	6
11	MAHULA	27	4	0	0	0	0	31
12	HALANDA	6	0	0	0	0	0	6
13	MUNDI	0	0	0	0	0	0	0
14	BELA	12	1	0	0	0	0	13
15	JAMUN	14	3	0	0	0	0	17
16	AMLA	12	3	0	0	0	0	15
17	BANDHAN	7	0	0	0	0	0	7
18	PIASAL	23	8	3	0	0	0	34
19	SISOO	17	3	0	0	0	0	20
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	3	0	0	0	0	0	3
23	MANGO	0	0	0	0	1	1	2
24	MISC.	148	42	17	1	0	0	208
	Total:	486	137	34	1	1	1	660

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada Comp. No.: 3 Method: 1% Systematic Strip Enum.
Forest Block: Goudagotha DPF Total Area (Ha.): 265.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	1	0	0	0	1
2	MAI	33	12	1	0	0	0	46
3	ASAN	72	23	2	0	0	0	97
4	CHAR	89	27	3	0	0	0	119
5	DHAURA	29	4	1	0	0	0	34
6	KUSUM	12	0	0	0	0	0	12
7	KENDU	43	16	4	0	0	0	63
8	KASHI	4	1	0	0	0	0	5
9	HARIDA	2	0	0	0	0	0	2
10	BAHADA	4	1	0	0	0	0	5
11	MAHULA	23	2	0	0	0	0	25
12	HALANDA	8	2	0	0	0	0	10
13	MUNDI	0	0	0	0	0	0	0
14	BELA	9	0	0	0	0	0	9
15	JAMUN	7	2	0	0	0	0	9
16	AMLA	2	0	0	0	0	0	2
17	BANDHAN	38	9	0	0	0	0	47
18	PIASAL	2	0	0	0	0	0	2
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	1	0	0	0	0	0	1
23	MANGO	0	0	0	0	0	1	1
24	MISC.	174	54	17	2	0	0	247
	Total:	552	153	29	2	0	1	737

Forest Range: Badagada Comp. No.: 4 Method: 1% Systematic Strip Enum.
Forest Block: Goudagotha DPF Total Area (Ha.): 430.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	53	7	0	0	0	0	60
2	MAI	63	17	2	0	0	0	82
3	ASAN	0	0	0	0	0	0	0
4	CHAR	28	9	0	0	0	0	37
5	DHAURA	27	0	0	0	0	0	27
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	48	0	0	0	0	0	48
8	KASHI	23	0	0	0	0	0	23
9	HARIDA	4	0	0	0	0	0	4
10	BAHADA	3	0	0	0	0	0	3
11	MAHULA	26	3	2	0	0	0	31
12	HALANDA	2	0	0	0	0	0	2
13	MUNDI	3	0	0	0	0	0	3
14	BELA	16	0	0	0	0	0	16
15	JAMUN	12	3	3	1	0	0	19
16	AMLA	11	0	0	0	0	0	11
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	21	0	0	0	0	0	21
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	3	0	0	0	0	0	3
23	MANGO	11	4	3	1	0	0	19
24	MISC.	94	12	1	0	0	0	107
	Total:	448	55	11	2	0	0	516

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada

Comp. No.: 5

Method: 1% Systematic Strip Enum.

Forest Block: Goudagotha DPF
UDPF

Total Area (Ha.): 512.50
Area of Enum. (Ha.): 0.00

Grid Width in mtrs: 40
Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	88	7	2	0	0	0	97
3	ASAN	0	0	0	0	0	0	0
4	CHAR	57	2	0	0	0	0	59
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	24	0	0	0	0	0	24
7	KENDU	12	1	0	0	0	0	13
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	23	0	0	0	0	0	23
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	18	1	0	0	0	0	19
15	JAMUN	13	0	0	0	0	0	13
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	34	6	2	0	0	0	42
	Total:	269	17	4	0	0	0	290

Forest Range: Badagada

Comp. No.: 6

Method: 1% Systematic Strip Enum.

Forest Block: Goudagotha DPF
Period of Enum.: 0

Total Area (Ha.): 442.50
Area of Enum. (Ha.): 0.00

Grid Width in mtrs: 40
Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	1	0	0	0	1
2	MAI	33	12	1	0	0	0	46
3	ASAN	72	23	2	0	0	0	97
4	CHAR	89	27	3	0	0	0	119
5	DHAURA	29	4	1	0	0	0	34
6	KUSUM	12	0	0	0	0	0	12
7	KENDU	43	16	4	0	0	0	63
8	KASHI	4	1	0	0	0	0	5
9	HARIDA	2	0	0	0	0	0	2
10	BAHADA	4	1	0	0	0	0	5
11	MAHULA	23	2	0	0	0	0	25
12	HALANDA	8	2	0	0	0	0	10
13	MUNDI	0	0	0	0	0	0	0
14	BELA	9	0	0	0	0	0	9
15	JAMUN	7	2	0	0	0	0	9
16	AMLA	2	0	0	0	0	0	2
17	BANDHAN	38	9	0	0	0	0	47
18	PIASAL	2	0	0	0	0	0	2
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	1	0	0	0	0	0	1
23	MANGO	0	0	0	0	0	1	1
24	MISC.	174	54	17	2	0	0	247
	Total:	552	153	29	2	0	1	737

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada Comp. No.: 7 Method: 1% Systematic Strip Enum.
Forest Block: Goudagotha DPF Total Area (Ha.): 380.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	64	23	1	0	0	0	88
3	ASAN	19	7	0	0	0	0	26
4	CHAR	54	29	4	0	0	0	87
5	DHAURA	32	17	6	0	0	0	55
6	KUSUM	8	6	1	0	0	0	15
7	KENDU	28	12	4	0	0	0	44
8	KASHI	12	0	0	0	0	0	12
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	8	2	0	0	0	0	10
11	MAHULA	19	6	0	0	0	0	25
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	18	0	0	0	0	0	18
15	JAMUN	13	6	1	0	0	0	20
16	AMLA	2	0	0	0	0	0	2
17	BANDHAN	17	4	0	0	0	0	21
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	1	1
24	MISC.	138	42	16	1	0	0	197
	Total:	432	154	33	1	0	1	621

Forest Range: Badagada Comp. No.: 8 Method: 1% Systematic Strip Enum.
Forest Block: Goudagotha DPF Total Area (Ha.): 280.00 Grid Width in mtrs: 40
Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	39	19	0	0	0	0	58
3	ASAN	48	12	0	0	0	0	60
4	CHAR	42	8	0	0	0	0	50
5	DHAURA	27	13	0	0	0	0	40
6	KUSUM	9	2	0	0	0	0	11
7	KENDU	14	6	0	0	0	0	20
8	KASHI	11	0	0	0	0	0	11
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	6	1	0	0	0	0	7
11	MAHULA	17	2	0	0	0	0	19
12	HALANDA	9	0	0	0	0	0	9
13	MUNDI	0	0	0	0	0	0	0
14	BELA	18	0	0	0	0	0	18
15	JAMUN	4	1	0	0	0	0	5
16	AMLA	1	0	0	0	0	0	1
17	BANDHAN	7	0	0	0	0	0	7
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	123	28	8	0	0	0	159
	Total:	375	92	8	0	0	0	475

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada Comp. No.: 9 Method: 1% Systematic Strip Enum.
Forest Block: Goudagotha DPF Total Area (Ha.): 410.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	48	23	0	0	0	0	71
3	ASAN	38	18	0	0	0	0	56
4	CHAR	34	14	0	0	0	0	48
5	DHAURA	23	12	0	0	0	0	35
6	KUSUM	22	0	0	0	0	0	22
7	KENDU	28	16	1	0	0	0	45
8	KASHI	7	0	0	0	0	0	7
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	2	0	0	0	0	0	2
11	MAHULA	22	7	0	0	0	0	29
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	12	0	0	0	0	0	12
15	JAMUN	8	1	2	0	0	0	11
16	AMLA	1	0	0	0	0	0	1
17	BANDHAN	13	2	0	0	0	0	15
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	22	0	0	0	0	0	22
20	TEAK	23	0	0	0	0	0	23
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	1	0	0	1
24	MISC.	104	24	8	0	0	0	136
	Total:	407	117	11	1	0	0	536

Forest Range: Badagada Comp. No.: 10 Method: 1% Systematic Strip Enum.
Forest Block: Goudagotha DPF Total Area (Ha.): 370.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	42	17	0	0	0	0	59
3	ASAN	48	19	0	0	0	0	67
4	CHAR	49	19	0	0	0	0	68
5	DHAURA	37	12	2	0	0	0	51
6	KUSUM	17	0	0	0	0	0	17
7	KENDU	22	11	1	0	0	0	34
8	KASHI	22	0	0	0	0	0	22
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	12	2	0	0	0	0	14
11	MAHULA	17	4	0	0	0	0	21
12	HALANDA	23	4	0	0	0	0	27
13	MUNDI	0	0	0	0	0	0	0
14	BELA	12	1	0	0	0	0	13
15	JAMUN	13	3	0	0	0	0	16
16	AMLA	1	0	0	0	0	0	1
17	BANDHAN	27	12	0	0	0	0	39
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	158	37	13	1	0	0	209
	Total:	500	141	16	1	0	0	658

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada
Forest Block: Goudagotha
DPF

Comp. No.: 11
Total Area (Ha.): 332.50
Area of Enum. (Ha.): 0.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	48	23	2	0	0	0	73
3	ASAN	77	17	4	0	0	0	98
4	CHAR	47	23	2	0	0	0	72
5	DHAURA	44	17	0	0	0	0	61
6	KUSUM	27	17	4	0	0	0	48
7	KENDU	28	22	0	0	0	0	50
8	KASHI	4	0	0	0	0	0	4
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	4	1	0	0	0	0	5
11	MAHULA	22	3	0	0	0	0	25
12	HALANDA	12	0	0	0	0	0	12
13	MUNDI	0	0	0	0	0	0	0
14	BELA	12	0	0	0	0	0	12
15	JAMUN	8	4	0	1	0	0	13
16	AMLA	2	0	0	0	0	0	2
17	BANDHAN	26	12	0	0	0	0	38
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	1	0	1
24	MISC.	154	37	12	0	0	0	203
	Total:	515	176	24	1	1	0	717

Forest Range: Badagada
Forest Block: Goudagotha DPF
Period of Enum.: 0

Comp. No.: 12
Total Area (Ha.): 370.00
Area of Enum. (Ha.): 0.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	38	13	2	0	0	0	53
3	ASAN	103	39	7	0	0	0	149
4	CHAR	93	38	2	0	0	0	133
5	DHAURA	58	33	6	0	0	0	97
6	KUSUM	47	12	3	0	0	0	62
7	KENDU	48	32	8	0	0	0	88
8	KASHI	9	3	0	0	0	0	12
9	HARIDA	4	1	0	0	0	0	5
10	BAHADA	9	3	0	0	0	0	12
11	MAHULA	22	6	0	0	0	0	28
12	HALANDA	12	1	0	0	0	0	13
13	MUNDI	0	0	0	0	0	0	0
14	BELA	22	1	0	0	0	0	23
15	JAMUN	9	6	0	0	0	0	15
16	AMLA	12	1	0	0	0	0	13
17	BANDHAN	39	11	0	0	0	0	50
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	2	2	4
24	MISC.	189	73	33	3	0	0	298
	Total:	714	273	61	3	2	2	1055

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada Comp. No.: 13 Method: 1% Systematic Strip Enum.
Forest Block: Goudagotha DPF Total Area (Ha.): 330.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	92	32	7	0	0	0	131
3	ASAN	32	13	2	0	0	0	47
4	CHAR	21	4	2	0	0	0	27
5	DHAURA	17	7	1	0	0	0	25
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	7	1	0	0	0	0	8
8	KASHI	4	0	0	0	0	0	4
9	HARIDA	1	0	0	0	0	0	1
10	BAHADA	2	0	0	0	0	0	2
11	MAHULA	13	2	0	0	0	0	15
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	12	1	0	0	0	0	13
15	JAMUN	4	0	0	0	0	0	4
16	AMLA	7	1	0	0	0	0	8
17	BANDHAN	32	8	0	0	0	0	40
18	PIASAL	33	11	2	0	0	0	46
19	SISOO	1	0	0	0	0	0	1
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	1	1
24	MISC.	124	39	23	4	1	0	191
	Total:	402	119	37	4	1	1	564

Forest Range: Badagada Comp. No.: 1 Method: 1% Systematic Strip Enum.
Forest Block: Merikote DPF Total Area (Ha.): 599.24 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	67	18	2	0	0	0	87
3	ASAN	47	7	0	0	0	0	54
4	CHAR	37	7	0	0	0	0	44
5	DHAURA	37	1	0	0	0	0	38
6	KUSUM	17	0	0	0	0	0	17
7	KENDU	18	2	0	0	0	0	20
8	KASHI	2	0	0	0	0	0	2
9	HARIDA	3	1	0	0	0	0	4
10	BAHADA	3	1	0	0	0	0	4
11	MAHULA	19	3	0	0	0	0	22
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	1	0	0	0	0	0	1
14	BELA	14	0	0	0	0	0	14
15	JAMUN	22	7	0	0	0	0	29
16	AMLA	8	0	0	0	0	0	8
17	BANDHAN	2	0	0	0	0	0	2
18	PIASAL	22	3	2	0	0	0	27
19	SISOO	4	1	0	0	0	0	5
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	138	38	19	3	0	0	198
	Total:	461	89	23	3	0	0	576

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada Comp. No.: 2 Method: 1% Systematic Strip Enum.
Forest Block: Merikote DPF Total Area (Ha.): 435.50 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	48	18	4	0	0	0	70
3	ASAN	44	23	3	0	0	0	70
4	CHAR	63	23	2	0	0	0	88
5	DHAURA	14	0	0	0	0	0	14
6	KUSUM	7	0	0	0	0	0	7
7	KENDU	38	18	7	0	0	0	63
8	KASHI	4	0	0	0	0	0	4
9	HARIDA	3	0	0	0	0	0	3
10	BAHADA	3	1	0	0	0	0	4
11	MAHULA	14	3	0	0	0	0	17
12	HALANDA	8	0	0	0	0	0	8
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	28	12	2	1	0	0	43
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	7	1	0	0	0	0	8
18	PIASAL	13	7	1	0	0	0	21
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	2	0	0	0	0	0	2
23	MANGO	0	0	0	0	1	0	1
24	MISC.	169	74	13	2	1	0	259
	Total:	465	180	32	3	2	0	682

Forest Range: Badagada Comp. No.: 3 Method: 1% Systematic Strip Enum.
Forest Block: Merikote DPF Total Area (Ha.): 555.50 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 3.50 Grid Length in mtrs: 750.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	79	29	13	0	0	0	121
2	MAI	28	22	2	0	0	0	52
3	ASAN	17	7	2	0	0	0	26
4	CHAR	28	17	4	0	0	0	49
5	DHAURA	8	12	0	0	0	0	20
6	KUSUM	22	0	0	0	0	0	22
7	KENDU	40	19	9	3	1	0	72
8	KASHI	9	3	0	0	0	0	12
9	HARIDA	4	4	0	0	0	0	8
10	BAHADA	13	7	0	0	0	0	20
11	MAHULA	3	2	0	0	0	0	5
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	12	3	0	0	0	0	15
15	JAMUN	4	2	0	0	0	0	6
16	AMLA	3	1	0	0	0	0	4
17	BANDHAN	3	0	0	0	0	0	3
18	PIASAL	2	2	0	0	0	0	4
19	SISOO	3	1	0	0	0	0	4
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	12	0	0	0	0	0	12
23	MANGO	0	0	0	0	0	1	1
24	MISC.	183	84	24	8	0	0	299
	Total:	473	215	54	11	1	1	755

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada Comp. No.: 4 Method: 1% Systematic Strip Enum.
Forest Block: Merikote DPF Total Area (Ha.): 498.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	30	10	3	1	0	0	44
3	ASAN	12	1	0	0	0	0	13
4	CHAR	8	0	0	0	0	0	8
5	DHAURA	3	0	0	0	0	0	3
6	KUSUM	19	1	0	0	0	0	20
7	KENDU	18	0	0	0	0	0	18
8	KASHI	13	0	0	0	0	0	13
9	HARIDA	4	0	0	0	0	0	4
10	BAHADA	3	0	0	0	0	0	3
11	MAHULA	30	10	1	0	0	0	41
12	HALANDA	2	0	0	0	0	0	2
13	MUNDI	4	0	0	0	0	0	4
14	BELA	7	0	0	0	0	0	7
15	JAMUN	21	0	0	0	0	0	21
16	AMLA	8	0	0	0	0	0	8
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	23	2	0	0	0	0	25
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	2	0	0	0	0	0	2
23	MANGO	7	2	2	2	0	0	13
24	MISC.	111	0	0	0	0	0	111
	Total:	325	26	6	3	0	0	360

Forest Range: Badagada Comp. No.: 5 Method: 1% Systematic Strip Enum.
Forest Block: Merikote DPF Total Area (Ha.): 463.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	27	11	3	0	0	0	41
3	ASAN	0	0	0	0	0	0	0
4	CHAR	22	0	0	0	0	0	22
5	DHAURA	23	0	0	0	0	0	23
6	KUSUM	3	0	0	0	0	0	3
7	KENDU	19	0	0	0	0	0	19
8	KASHI	27	0	0	0	0	0	27
9	HARIDA	3	0	0	0	0	0	3
10	BAHADA	11	0	0	0	0	0	11
11	MAHULA	17	6	0	0	0	0	23
12	HALANDA	5	0	0	0	0	0	5
13	MUNDI	2	0	0	0	0	0	2
14	BELA	11	0	0	0	0	0	11
15	JAMUN	16	0	0	0	0	0	16
16	AMLA	15	0	0	0	0	0	15
17	BANDHAN	5	0	0	0	0	0	5
18	PIASAL	22	0	0	0	0	0	22
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	2	0	0	0	0	0	2
22	SIDHA	8	0	0	0	0	0	8
23	MANGO	13	2	1	0	0	0	16
24	MISC.	108	0	0	0	0	0	108
	Total:	359	19	4	0	0	0	382

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada Comp. No.: 6 Method: 1% Systematic Strip Enum.
Forest Block: Merikote DPF Total Area (Ha.): 560.50 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	36	7	1	0	0	0	44
3	ASAN	2	0	0	0	0	0	2
4	CHAR	27	2	0	0	0	0	29
5	DHAURA	24	0	0	0	0	0	24
6	KUSUM	4	0	0	0	0	0	4
7	KENDU	27	1	0	0	0	0	28
8	KASHI	24	0	0	0	0	0	24
9	HARIDA	2	0	0	0	0	0	2
10	BAHADA	11	0	0	0	0	0	11
11	MAHULA	31	5	0	0	0	0	36
12	HALANDA	2	0	0	0	0	0	2
13	MUNDI	6	0	0	0	0	0	6
14	BELA	8	0	0	0	0	0	8
15	JAMUN	12	0	0	0	0	0	12
16	AMLA	12	0	0	0	0	0	12
17	BANDHAN	2	0	0	0	0	0	2
18	PIASAL	21	1	0	0	0	0	22
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	13	0	0	0	0	0	13
23	MANGO	13	0	0	0	0	0	13
24	MISC.	81	0	0	0	0	0	81
	Total:	358	16	1	0	0	0	375

Forest Range: Badagada Comp. No.: 7 Method: 1% Systematic Strip Enum.
Forest Block: Merikote DPF Total Area (Ha.): 408.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	2	0	0	0	0	0	2
3	ASAN	0	0	0	0	0	0	0
4	CHAR	53	2	0	0	0	0	55
5	DHAURA	42	0	0	0	0	0	42
6	KUSUM	2	0	0	0	0	0	2
7	KENDU	32	0	0	0	0	0	32
8	KASHI	14	0	0	0	0	0	14
9	HARIDA	2	0	0	0	0	0	2
10	BAHADA	6	0	0	0	0	0	6
11	MAHULA	31	10	1	0	0	0	42
12	HALANDA	2	0	0	0	0	0	2
13	MUNDI	6	0	0	0	0	0	6
14	BELA	9	0	0	0	0	0	9
15	JAMUN	8	3	2	0	0	0	13
16	AMLA	13	0	0	0	0	0	13
17	BANDHAN	7	0	0	0	0	0	7
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	7	0	0	0	0	0	7
23	MANGO	8	2	3	0	0	0	13
24	MISC.	77	0	0	0	0	0	77
	Total:	321	17	6	0	0	0	344

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada Comp. No.: 8 Method: 1% Systematic Strip Enum.
Forest Block: Merikote DPF Total Area (Ha.): 435.50 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	8	0	0	0	0	0	8
3	ASAN	0	0	0	0	0	0	0
4	CHAR	28	0	0	0	0	0	28
5	DHAURA	32	3	0	0	0	0	35
6	KUSUM	17	3	0	0	0	0	20
7	KENDU	22	0	0	0	0	0	22
8	KASHI	10	0	0	0	0	0	10
9	HARIDA	3	0	0	0	0	0	3
10	BAHADA	7	0	0	0	0	0	7
11	MAHULA	27	6	0	0	0	0	33
12	HALANDA	19	0	0	0	0	0	19
13	MUNDI	3	0	0	0	0	0	3
14	BELA	8	0	0	0	0	0	8
15	JAMUN	19	3	2	1	0	0	25
16	AMLA	7	2	0	0	0	0	9
17	BANDHAN	7	1	0	0	0	0	8
18	PIASAL	8	0	0	0	0	0	8
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	2	0	0	0	0	0	2
22	SIDHA	16	0	0	0	0	0	16
23	MANGO	13	1	3	0	0	0	17
24	MISC.	93	0	0	0	0	0	93
	Total:	349	19	5	1	0	0	374

Forest Range: Badagada Comp. No.: 9 Method: 1% Systematic Strip Enum.
Forest Block: Merikote DPF Total Area (Ha.): 503.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	33	8	3	0	0	0	44
3	ASAN	0	0	0	0	0	0	0
4	CHAR	34	6	0	0	0	0	40
5	DHAURA	23	0	0	0	0	0	23
6	KUSUM	2	0	0	0	0	0	2
7	KENDU	21	1	0	0	0	0	22
8	KASHI	22	0	0	0	0	0	22
9	HARIDA	7	0	0	0	0	0	7
10	BAHADA	6	0	0	0	0	0	6
11	MAHULA	37	8	2	0	0	0	47
12	HALANDA	12	0	0	0	0	0	12
13	MUNDI	8	0	0	0	0	0	8
14	BELA	9	0	0	0	0	0	9
15	JAMUN	16	3	6	0	0	0	25
16	AMLA	17	0	0	0	0	0	17
17	BANDHAN	6	0	0	0	0	0	6
18	PIASAL	17	0	0	0	0	0	17
19	SISOO	8	1	0	0	0	0	9
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	2	0	0	0	0	0	2
22	SIDHA	11	0	0	0	0	0	11
23	MANGO	7	3	2	1	0	0	13
24	MISC.	83	0	0	0	0	0	83
	Total:	381	30	13	1	0	0	425

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada Comp. No.: 1 Method: 1% Systematic Strip Enum.
Forest Block: Srirampalli DPF Total Area (Ha.): 410.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 4.00 Grid Length in mtrs: 1000.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	34	3	1	0	0	0	38
3	ASAN	0	0	0	0	0	0	0
4	CHAR	0	0	0	0	0	0	0
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	18	0	0	0	0	0	18
7	KENDU	25	2	0	0	0	0	27
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	120	12	3	0	0	0	135
	Total:	197	17	4	0	0	0	218

Forest Range: Badagada Comp. No.: 1 & 2 Method: 1% Systematic Strip Enum.
Forest Block: Mahisikhata UDPF Total Area (Ha.): 598.25 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 6.00 Grid Length in mtrs: 1500.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	18	2	0	0	0	0	20
2	MAI	0	0	0	0	0	0	0
3	ASAN	54	0	0	0	0	0	54
4	CHAR	52	0	0	0	0	0	52
5	DHAURA	24	0	0	0	0	0	24
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	18	2	0	0	0	0	20
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	20	0	0	0	0	0	20
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	168	15	2	0	0	0	185
	Total:	354	19	2	0	0	0	375

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Badagada Comp. No.: 2 Method: 1% Systematic Strip Enum.
Forest Block: Mahisikhata UDPF Total Area (Ha.): 328.25 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 3.00 Grid Length in mtrs: 1000.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	18	2	0	0	0	0	20
2	MAI	0	0	0	0	0	0	0
3	ASAN	54	0	0	0	0	0	54
4	CHAR	47	0	0	0	0	0	47
5	DHAURA	14	0	0	0	0	0	14
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	15	2	0	0	0	0	17
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	12	0	0	0	0	0	12
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	102	10	2	0	0	0	114
	Total:	262	14	2	0	0	0	278

Forest Range: Buguda Comp. No.: 1 Method: 1% Systematic Strip Enum.
Forest Block: Budurung RF Total Area (Ha.): 316.11 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	139	16	2	0	0	0	157
3	ASAN	0	0	0	0	0	0	0
4	CHAR	0	0	0	0	0	0	0
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	23	2	0	0	0	0	25
8	KASHI	38	0	0	0	0	0	38
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	27	1	0	0	0	0	28
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	205	21	0	0	0	0	226
	Total:	432	40	2	0	0	0	474

**Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division**

Forest Range: Buguda Comp. No.: 1 Method: 1% Systematic Strip Enum.
Forest Block: Chamunda RF Total Area (Ha.): 265.59 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	0	0	0	0	0	0	0
3	ASAN	0	0	0	0	0	0	0
4	CHAR	30	0	0	0	0	0	30
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	7	1	0	0	0	0	8
7	KENDU	10	2	0	0	0	0	12
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	15	0	0	0	0	0	15
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	23	2	0	0	0	0	25
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	114	4	1	0	0	0	119
	Total:	199	9	1	0	0	0	209

Forest Range: Buguda Comp. No.: 1 Method: 1% Systematic Strip Enum.
Forest Block: Kadapada RF Total Area (Ha.): 677.36 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	130	12	0	0	0	0	142
3	ASAN	0	0	0	0	0	0	0
4	CHAR	70	0	0	0	0	0	70
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	34	0	0	0	0	0	34
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	18	0	0	0	0	0	18
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	34	0	0	0	0	0	34
15	JAMUN	21	0	0	0	0	0	21
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	199	11	2	0	0	0	212
	Total:	506	23	2	0	0	0	531

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Buguda	Comp. No.: 1	Method: 1% Systematic Strip Enum.
Forest Block: Karchuli 'A'	Total Area (Ha.): 390.76	Grid Width in mtrs: 40
Period of Enum.: 29/11/12	Area of Enum. (Ha.): 0.00	Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	96	20	14	13	7	1	151
2	MAI	4	1	2	0	0	0	7
3	ASAN	22	9	2	0	0	0	33
4	CHAR	80	1	0	0	0	0	81
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	1	0	0	0	0	0	1
7	KENDU	22	2	1	0	0	0	25
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	2	0	0	0	0	0	2
11	MAHULA	4	5	1	1	0	0	11
12	HALANDA	2	0	0	0	0	0	2
13	MUNDI	0	0	1	0	0	0	1
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	42	10	4	1	0	0	57
	Total:	275	48	25	15	7	1	371

Forest Range: Buguda	Comp. No.: 2	Method: 1% Systematic Strip Enum.
Forest Block: Karchuli 'A'	Total Area (Ha.): 646.22	Grid Width in mtrs: 40
Period of Enum.: 29/11/12	Area of Enum. (Ha.): 0.00	Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	36	30	100	42	11	3	222
2	MAI	2	0	6	2	0	0	10
3	ASAN	0	0	1	0	0	0	1
4	CHAR	0	0	0	0	0	0	0
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	1	1	0	0	0	0	2
7	KENDU	0	0	0	0	0	0	0
8	KASHI	0	1	2	2	0	0	5
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	2	2	0	0	0	4
12	HALANDA	2	3	2	1	0	0	8
13	MUNDI	1	0	0	1	0	0	2
14	BELA	1	0	1	0	0	0	2
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	3	0	0	0	3
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	0	3	8	1	2	0	14
	Total:	43	40	125	49	13	3	273

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Buguda	Comp. No.: 3	Method: 1% Systematic Strip Enum.
Forest Block: Karchuli 'A'	Total Area (Ha.): 533.09	Grid Width in mtrs: 40
Period of Enum.: 30/11/12	Area of Enum. (Ha.): 0.00	Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	33	22	7	0	0	0	62
3	ASAN	28	13	0	0	0	0	41
4	CHAR	37	12	0	0	0	0	49
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	3	1	0	0	0	0	4
7	KENDU	28	4	0	0	0	0	32
8	KASHI	28	7	0	0	0	0	35
9	HARIDA	12	7	0	0	0	0	19
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	7	0	0	0	0	0	7
13	MUNDI	0	0	0	0	0	0	0
14	BELA	16	7	0	0	0	0	23
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	37	9	2	1	0	0	49
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	62	19	8	8	0	2	99
	Total:	291	101	17	9	0	2	420

Forest Range: Buguda	Comp. No.: 4	Method: 1% Systematic Strip Enum.
Forest Block: Karchuli 'A'	Total Area (Ha.): 662.32	Grid Width in mtrs: 40
Period of Enum.: 30/11/12	Area of Enum. (Ha.): 0.00	Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	22	15	3	0	0	0	40
3	ASAN	29	2	0	0	0	0	31
4	CHAR	23	2	0	0	0	0	25
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	1	1	0	0	0	0	2
7	KENDU	8	0	2	0	0	0	10
8	KASHI	15	2	0	0	0	0	17
9	HARIDA	12	5	0	0	0	0	17
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	2	0	0	0	0	0	2
13	MUNDI	0	0	0	0	0	0	0
14	BELA	8	2	0	0	0	0	10
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	1	0	0	0	0	0	1
17	BANDHAN	1	1	0	0	0	0	2
18	PIASAL	3	0	0	0	0	0	3
19	SISOO	0	0	0	0	0	0	0
20	TEAK	106	5	0	0	0	0	111
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	160	26	4	3	0	2	195
	Total:	391	61	9	3	0	2	466

of Ghumsur South Division

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	59	18	0	0	0	0	77
2	MAI	175	32	4	1	0	0	212
3	ASAN	82	18	2	0	0	0	102
4	CHAR	29	9	0	0	0	0	38
5	DHAURA	22	1	0	1	0	0	24
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	132	22	2	0	0	0	156
8	KASHI	3	0	0	0	0	0	3
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	7	0	0	0	0	0	7
11	MAHULA	12	0	0	0	0	0	12
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	20	7	0	0	0	0	27
15	JAMUN	1	0	0	0	0	0	1
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	1	1	0	0	2
24	MISC.	324	73	4	1	2	2	406
	Total:	866	180	13	4	2	2	1067

of Ghumsur South Division

Period of Enum.: 0

Area of Enum. (Ha.) : 6.30

Grid Length in mtrs: 1600.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	60	110	2	0	0	0	172
2	MAI	59	13	1	0	0	0	73
3	ASAN	81	8	2	0	0	0	91
4	CHAR	65	4	0	0	0	0	69
5	DHAURA	11	0	0	0	0	0	11
6	KUSUM	3	0	0	0	0	0	3
7	KENDU	7	3	1	1	0	0	12
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	12	1	1	0	0	0	14
10	BAHADA	32	7	0	0	0	0	39
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	1	0	0	0	0	0	1
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	60	5	1	0	0	0	66
16	AML	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	9	1	0	0	0	0	10
19	SISOO	15	0	0	0	0	0	15
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	15	1	0	0	0	0	16
23	MANGO	0	0	0	0	0	0	0
24	MISC.	0	0	0	0	0	0	0
	Total:	430	153	8	1	0	0	592

Period of Enum.: 0

Area of Enum. (Ha.) : 306.50

Grid Length in mtrs: 2450.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	238	170	16	2	1	0	427
2	MAI	39	9	2	0	0	0	50
3	ASAN	55	32	4	0	0	0	91
4	CHAR	44	6	0	0	0	0	50
5	DHAURA	21	17	1	0	0	0	39
6	KUSUM	1	0	0	0	0	0	1
7	KENDU	28	12	10	0	1	0	51
8	KASHI	11	2	0	0	0	0	13
9	HARIDA	1	0	0	0	0	0	1
10	BAHADA	3	0	0	0	0	0	3
11	MAHULA	63	31	13	2	1	0	110
12	HALANDA	2	1	0	0	0	0	3
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	41	12	4	0	0	0	57
16	AMLA	6	1	0	0	0	0	7
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	9	1	0	0	0	0	10
19	SISOO	1	0	0	0	0	0	1
20	TEAK	1	0	0	0	0	0	1
21	TAMARIND	1	0	0	0	0	0	1
22	SIDHA	2	0	1	0	0	0	3
23	MANGO	1	2	2	3	4	2	14
24	MISC.	105	15	2	0	0	1	123
	Total:	673	311	55	7	7	3	1056

**Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division**

Forest Range: Buguda Comp. No.: 4 Method: 1% Systematic Strip Enum.
Forest Block: Kriamba RF Total Area (Ha.): 959.71 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 4.00 Grid Length in mtrs: 1000.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	172	43	7	2	0	0	224
2	MAI	12	22	7	0	0	0	41
3	ASAN	37	21	2	0	0	0	60
4	CHAR	22	8	1	0	0	0	31
5	DHAURA	18	10	1	0	1	0	30
6	KUSUM	27	12	2	1	0	0	42
7	KENDU	11	7	0	0	0	0	18
8	KASHI	9	0	0	0	0	0	9
9	HARIDA	0	3	0	0	0	0	3
10	BAHADA	12	2	0	0	0	0	14
11	MAHULA	45	22	4	0	0	0	71
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	1	0	0	0	0	0	1
17	BANDHAN	3	0	0	0	0	0	3
18	PIASAL	2	0	0	0	0	0	2
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	4	0	0	0	0	0	4
23	MANGO	0	0	0	0	1	1	2
24	MISC.	0	0	0	0	0	0	0
	Total:	375	150	24	3	2	1	555

Forest Range: Buguda Comp. No.: 5 Method: 1% Systematic Strip Enum.
Forest Block: Kriamba RF Total Area (Ha.): 714.56 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 7.10 Grid Length in mtrs: 1800.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	166	103	11	3	1	1	285
2	MAI	68	38	3	0	0	0	109
3	ASAN	177	33	3	0	0	0	213
4	CHAR	97	8	0	0	0	0	105
5	DHAURA	34	3	0	0	0	0	37
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	94	43	12	6	7	0	162
8	KASHI	18	0	0	0	0	0	18
9	HARIDA	7	0	0	0	0	0	7
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	47	7	1	0	0	0	55
12	HALANDA	12	0	0	0	0	0	12
13	MUNDI	0	0	0	0	0	0	0
14	BELA	12	0	0	0	0	0	12
15	JAMUN	3	0	0	0	0	0	3
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	72	12	0	0	0	0	84
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	4	0	0	0	0	0	4
23	MANGO	0	0	0	0	0	0	0
24	MISC.	87	44	9	4	0	0	144
	Total:	898	291	39	13	8	1	1250

**Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division**

Forest Range: Buguda Comp. No.: 6 Method: 1% Systematic Strip Enum.
Forest Block: Kriamba RF Total Area (Ha.): 756.83 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 7.60 Grid Length in mtrs: 1900.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	104	49	2	0	0	0	155
2	MAI	90	25	9	1	0	0	125
3	ASAN	159	40	4	0	0	0	203
4	CHAR	14	0	0	0	0	0	14
5	DHAURA	17	1	0	0	0	0	18
6	KUSUM	2	0	1	0	0	0	3
7	KENDU	13	0	0	0	0	0	13
8	KASHI	27	1	0	1	0	0	29
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	4	0	0	0	0	0	4
11	MAHULA	11	4	0	0	0	0	15
12	HALANDA	1	0	0	0	0	0	1
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	23	3	2	0	0	0	28
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	6	4	0	0	0	0	10
19	SISOO	1	0	0	0	0	0	1
20	TEAK	106	3	0	0	0	0	109
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	73	17	13	0	0	0	103
23	MANGO	0	0	0	1	0	0	1
24	MISC.	213	210	24	3	1	0	451
	Total:	864	357	55	6	1	0	1283

Forest Range: Buguda Comp. No.: 7 Method: 1% Systematic Strip Enum.
Forest Block: Kriamba RF Total Area (Ha.): 858.22 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 8.60 Grid Length in mtrs: 2200.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	147	23	0	0	0	0	170
2	MAI	122	41	4	0	0	0	167
3	ASAN	66	12	0	0	0	0	78
4	CHAR	62	0	0	0	0	0	62
5	DHAURA	51	3	0	0	0	0	54
6	KUSUM	48	0	0	0	2	0	50
7	KENDU	31	14	2	0	0	0	47
8	KASHI	53	13	1	0	0	0	67
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	20	8	3	0	0	0	31
11	MAHULA	21	0	0	0	0	0	21
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	2	0	0	0	0	0	2
15	JAMUN	14	7	0	0	0	0	21
16	AMLA	4	0	0	0	0	0	4
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	46	9	0	0	0	0	55
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	67	9	1	0	0	0	77
23	MANGO	0	0	0	0	0	0	0
24	MISC.	378	88	7	2	2	1	478
	Total:	1132	227	18	2	4	1	1384

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Buguda Comp. No.: 8 Method: 1% Systematic Strip Enum.
Forest Block: Kriamba RF Total Area (Ha.): 498.73 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	83	80	2	0	0	0	165
2	MAI	53	23	59	28	0	1	164
3	ASAN	42	67	7	1	0	0	117
4	CHAR	90	10	3	0	0	0	103
5	DHAURA	28	8	12	0	1	0	49
6	KUSUM	39	5	1	1	2	0	48
7	KENDU	71	12	1	1	0	0	85
8	KASHI	16	29	2	0	0	0	47
9	HARIDA	20	5	2	0	0	0	27
10	BAHADA	12	4	0	0	0	0	16
11	MAHULA	109	90	3	0	0	2	204
12	HALANDA	13	2	0	0	0	0	15
13	MUNDI	0	0	0	0	0	0	0
14	BELA	19	2	0	0	0	0	21
15	JAMUN	23	13	3	1	0	0	40
16	AMLA	1	0	0	0	0	0	1
17	BANDHAN	7	4	1	0	0	0	12
18	PIASAL	48	12	0	0	0	0	60
19	SISOO	7	0	0	0	0	0	7
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	37	9	0	0	0	0	46
23	MANGO	0	0	0	0	0	0	0
24	MISC.	298	193	37	19	3	5	555
	Total:	1016	568	133	51	6	8	1782

Forest Range: Buguda Comp. No.: 9 Method: 1% Systematic Strip Enum.
Forest Block: Kriamba RF Total Area (Ha.): 465.24 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 4.60 Grid Length in mtrs: 1200.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	129	69	0	0	0	0	198
2	MAI	41	47	11	1	0	0	100
3	ASAN	52	11	0	0	0	0	63
4	CHAR	90	8	0	0	0	0	98
5	DHAURA	31	2	0	0	0	0	33
6	KUSUM	17	0	0	0	0	0	17
7	KENDU	36	24	2	0	0	0	62
8	KASHI	72	4	0	0	0	0	76
9	HARIDA	4	0	0	0	0	0	4
10	BAHADA	7	1	0	0	0	0	8
11	MAHULA	49	2	0	0	0	0	51
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	2	4	0	0	0	0	6
15	JAMUN	26	0	0	0	0	0	26
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	85	18	0	0	0	0	103
19	SISOO	2	0	0	0	0	0	2
20	TEAK	42	1	0	0	0	0	43
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	56	0	0	0	0	0	56
23	MANGO	0	0	0	0	0	2	2
24	MISC.	140	130	4	0	0	0	274
	Total:	881	321	17	1	0	2	1222

**Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division**

Forest Range: Buguda Comp. No.: 10 Method: 1% Systematic Strip Enum.
Forest Block: Kriamba RF Total Area (Ha.): 733.69 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 7.30 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	32	2	4	0	0	0	38
3	ASAN	35	4	0	0	0	0	39
4	CHAR	21	0	0	0	0	0	21
5	DHAURA	31	12	2	1	0	0	46
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	36	0	0	0	0	0	36
8	KASHI	10	0	0	0	0	0	10
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	1	0	0	0	0	0	1
11	MAHULA	8	3	0	0	0	0	11
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	21	0	0	0	0	0	21
15	JAMUN	16	0	0	0	0	0	16
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	16	0	0	0	0	0	16
23	MANGO	0	0	0	1	1	1	3
24	MISC.	0	0	0	0	0	0	0
	Total:	227	21	6	2	1	1	258

Forest Range: Buguda Comp. No.: 11 Method: 1% Systematic Strip Enum.
Forest Block: Kriamba RF Total Area (Ha.): 786.82 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 8.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	19	2	0	0	0	0	21
2	MAI	56	21	10	1	0	0	88
3	ASAN	35	2	0	0	0	0	37
4	CHAR	17	0	0	0	0	0	17
5	DHAURA	20	3	0	0	0	0	23
6	KUSUM	0	0	0	0	1	0	1
7	KENDU	18	0	0	0	0	0	18
8	KASHI	1	0	0	0	0	0	1
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	10	0	0	0	0	0	10
11	MAHULA	17	2	0	0	0	0	19
12	HALANDA	2	0	0	0	0	0	2
13	MUNDI	0	0	0	0	0	0	0
14	BELA	36	8	0	0	0	0	44
15	JAMUN	16	0	0	0	0	0	16
16	AMLA	1	0	0	0	0	0	1
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	8	0	0	0	0	0	8
23	MANGO	0	0	0	0	0	1	1
24	MISC.	0	0	0	0	0	0	0
	Total:	256	38	10	1	1	1	307

**Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division**

Forest Range: Buguda Comp. No.: 12 Method: 1% Systematic Strip Enum.
Forest Block: Kriamba RF Total Area (Ha.): 443.23 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 4.40 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	39	4	0	0	0	0	43
2	MAI	47	12	4	0	0	0	63
3	ASAN	37	9	0	0	0	0	46
4	CHAR	0	0	0	0	0	0	0
5	DHAURA	15	1	0	0	0	0	16
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	23	0	0	0	0	0	23
8	KASHI	1	0	0	0	0	0	1
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	3	0	0	0	0	0	3
11	MAHULA	9	0	0	0	0	0	9
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	32	3	0	0	0	0	35
15	JAMUN	4	0	0	0	0	0	4
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	2	0	0	0	0	0	2
23	MANGO	0	0	0	0	0	0	0
24	MISC.	0	0	0	0	0	0	0
	Total:	212	29	4	0	0	0	245

Forest Range: Buguda Comp. No.: 13 Method: 1% Systematic Strip Enum.
Forest Block: Kriamba RF Total Area (Ha.): 876.22 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 7.64 Grid Length in mtrs: 750.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	147	27	0	0	0	0	174
2	MAI	97	60	0	0	0	0	157
3	ASAN	53	13	0	0	0	0	66
4	CHAR	40	2	0	0	0	0	42
5	DHAURA	29	9	0	0	0	0	38
6	KUSUM	25	2	0	0	0	0	27
7	KENDU	49	12	0	0	0	0	61
8	KASHI	92	35	0	0	0	0	127
9	HARIDA	2	0	0	0	0	0	2
10	BAHADA	19	1	0	0	0	0	20
11	MAHULA	17	0	0	0	0	0	17
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	8	1	0	0	0	0	9
15	JAMUN	2	0	0	0	0	0	2
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	22	2	0	0	0	0	24
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	22	0	0	0	0	0	22
23	MANGO	0	0	0	0	0	0	0
24	MISC.	257	69	14	1	1	0	342
	Total:	881	233	14	1	1	0	1130

**Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division**

Forest Range: Buguda
Forest Block: Kumarsuni
Vishnuchakram RF

Comp. No.: 1
Total Area (Ha.): 1081.95
Area of Enum. (Ha.): 9.82

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 2455.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	130	12	0	0	0	0	142
3	ASAN	0	0	0	0	0	0	0
4	CHAR	70	0	0	0	0	0	70
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	34	0	0	0	0	0	34
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	18	0	0	0	0	0	18
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	34	0	0	0	0	0	34
15	JAMUN	21	0	0	0	0	0	21
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	199	11	2	0	0	0	212
	Total:	506	23	2	0	0	0	531

Forest Range: Buguda
Forest Block: Binodia RF
Period of Enum.: 0

Comp. No.: 1
Total Area (Ha.): 209.96
Area of Enum. (Ha.): 1.50

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 375.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	0	0	0	0	0	0	0
3	ASAN	0	0	0	0	0	0	0
4	CHAR	30	0	0	0	0	0	30
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	7	1	0	0	0	0	8
7	KENDU	10	2	0	0	0	0	12
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	15	0	0	0	0	0	15
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	23	2	0	0	0	0	25
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	114	4	1	0	0	0	119
	Total:	199	9	1	0	0	0	209

**Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division**

Forest Range: Buguda Comp. No.: 1 Method: 1% Systematic Strip Enum.
Forest Block: Tangarai RF Total Area (Ha.): 817.49 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 6.67 Grid Length in mtrs: 1667.50

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	39	16	2	0	0	0	57
3	ASAN	0	0	0	0	0	0	0
4	CHAR	0	0	0	0	0	0	0
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	23	2	0	0	0	0	25
8	KASHI	38	0	0	0	0	0	38
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	27	1	0	0	0	0	28
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	205	21	0	0	0	0	226
	Total:	332	40	2	0	0	0	374

Forest Range: Buguda Comp. No.: 1 Method: 1% Systematic Strip Enum.
Forest Block: Panchabhuti-C Total Area (Ha.): 198.38 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 2.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	13	1	0	0	0	0	14
3	ASAN	7	0	0	0	0	0	7
4	CHAR	2	0	0	0	0	0	2
5	DHAURA	1	0	0	0	0	0	1
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	12	0	0	0	0	0	12
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	0	0	0	5	0	0	5
	Total:	35	1	0	5	0	0	41

**Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division**

Forest Range: Buguda	Comp. No.: 1	Method: 1% Systematic Strip Enum.
Forest Block: Panchabhuti 'A'	Total Area (Ha.): 609.28	Grid Width in mtrs: 40
Period of Enum.: 30/11/12	Area of Enum. (Ha.): 0.00	Grid Length in mtrs: 40.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	93	5	0	0	0	0	98
2	MAI	24	6	0	0	0	0	30
3	ASAN	23	2	0	0	0	0	25
4	CHAR	12	2	0	0	0	0	14
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	13	0	0	0	0	0	13
7	KENDU	12	0	0	0	0	0	12
8	KASHI	5	2	0	0	0	0	7
9	HARIDA	7	0	0	0	0	0	7
10	BAHADA	8	0	0	0	0	0	8
11	MAHULA	10	2	0	0	0	0	12
12	HALANDA	6	0	0	0	0	0	6
13	MUNDI	7	1	0	0	0	0	8
14	BELA	13	0	0	0	0	0	13
15	JAMUN	7	0	0	0	0	0	7
16	AMLA	7	0	0	0	0	0	7
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	6	0	0	0	0	0	6
19	SISOO	0	0	0	0	0	0	0
20	TEAK	13	0	0	0	0	0	13
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	38	7	0	0	0	0	45
	Total:	304	27	0	0	0	0	331

Forest Range: Buguda	Comp. No.: 2	Method: 1% Systematic Strip Enum.
Forest Block: Panchabhuti 'A'	Total Area (Ha.): 282.83	Grid Width in mtrs: 40
Period of Enum.: 30/11/12	Area of Enum. (Ha.): 0.00	Grid Length in mtrs: 40.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	98	5	0	0	0	0	103
2	MAI	28	13	0	0	0	0	41
3	ASAN	17	5	0	0	0	0	22
4	CHAR	27	7	0	0	0	0	34
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	12	0	0	0	0	0	12
7	KENDU	12	7	0	0	0	0	19
8	KASHI	12	2	0	0	0	0	14
9	HARIDA	12	0	0	0	0	0	12
10	BAHADA	7	2	0	0	0	0	9
11	MAHULA	12	3	0	0	0	0	15
12	HALANDA	15	0	0	0	0	0	15
13	MUNDI	9	0	0	0	0	0	9
14	BELA	17	2	0	0	0	0	19
15	JAMUN	12	0	0	0	0	0	12
16	AMLA	7	0	0	0	0	0	7
17	BANDHAN	7	0	0	0	0	0	7
18	PIASAL	13	0	0	0	0	0	13
19	SISOO	0	0	0	0	0	0	0
20	TEAK	20	12	0	0	0	0	32
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	53	12	0	0	0	0	65
	Total:	390	70	0	0	0	0	460

**Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division**

Forest Range: Buguda Comp. No.: 3 Method: 1% Systematic Strip Enum.
Forest Block: Panchabhuti 'A' Total Area (Ha.): 529.89 Grid Width in mtrs: 40
Period of Enum.: 30/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 40.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	30	10	21	16	2	0	79
2	MAI	3	1	0	0	0	0	4
3	ASAN	6	0	0	0	0	0	6
4	CHAR	0	0	0	0	0	0	0
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	0	0	0	0	0	0	0
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	1	0	0	0	0	0	1
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	1	0	0	0	0	0	1
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	2	0	1	1	0	0	4
	Total:	43	11	22	17	2	0	95

Forest Range: Buguda Comp. No.: 4 Method: 1% Systematic Strip Enum.
Forest Block: Panchabhuti 'A' Total Area (Ha.): 368.28 Grid Width in mtrs: 40
Period of Enum.: 30/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 40.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	1	5	0	0	0	0	6
3	ASAN	0	1	0	0	0	0	1
4	CHAR	0	0	0	0	0	0	0
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	0	0	0	0	0	0	0
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	1	0	0	0	0	0	1
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	2	1	0	0	0	3
19	SISOO	0	0	0	0	0	0	0
20	TEAK	80	1	0	0	0	0	81
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	40	3	2	0	0	0	45
	Total:	122	12	3	0	0	0	137

**Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division**

Forest Range: Buguda Comp. No.: 1 Method: 1% Systematic Strip Enum.
Forest Block: Nagiri RF Total Area (Ha.): 449.55 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	88	14	0	0	0	0	102
2	MAI	69	23	1	0	0	0	93
3	ASAN	17	3	0	0	0	0	20
4	CHAR	18	0	0	0	0	0	18
5	DHAURA	12	1	0	0	0	0	13
6	KUSUM	13	0	0	0	0	0	13
7	KENDU	18	0	0	0	0	0	18
8	KASHI	19	1	1	0	0	0	21
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	8	0	0	0	0	0	8
11	MAHULA	13	0	0	0	0	0	13
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	12	3	0	0	0	0	15
16	AMLA	4	0	0	0	0	0	4
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	13	2	0	0	0	0	15
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	24	0	0	0	0	0	24
23	MANGO	0	0	0	0	0	0	0
24	MISC.	214	34	4	0	0	0	252
	Total:	542	81	6	0	0	0	629

Forest Range: Buguda Comp. No.: 1 Method: 1% Systematic Strip Enum.
Forest Block: Solundi RF Total Area (Ha.): 362.75 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	59	9	0	0	0	0	68
2	MAI	53	18	3	0	0	0	74
3	ASAN	49	9	0	0	0	0	58
4	CHAR	44	0	0	0	0	0	44
5	DHAURA	39	2	0	0	0	0	41
6	KUSUM	35	0	0	0	2	0	37
7	KENDU	13	14	2	0	0	0	29
8	KASHI	34	12	0	0	0	0	46
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	12	8	3	0	0	0	23
11	MAHULA	8	0	0	0	0	0	8
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	2	0	0	0	0	0	2
15	JAMUN	2	4	0	0	0	0	6
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	33	7	0	0	0	0	40
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	43	9	1	0	0	0	53
23	MANGO	0	0	0	0	0	0	0
24	MISC.	164	54	3	2	2	1	226
	Total:	590	146	12	2	4	1	755

of Ghumsur South Division

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 2125.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	0	0	0	0	0	0	0
3	ASAN	119	6	0	0	0	0	125
4	CHAR	0	0	0	0	0	0	0
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	43	3	0	0	0	0	46
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	34	0	0	0	0	0	34
14	BELA	27	5	0	0	0	0	32
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	297	38	2	0	0	0	337
	Total:	520	52	2	0	0	0	574

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Polsara Comp. No.: 1 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 185.00 Grid Width in mtrs: 40
Period of Enum.: 29/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	13	1	0	0	0	0	14
3	ASAN	7	0	0	0	0	0	7
4	CHAR	2	0	0	0	0	0	2
5	DHAURA	1	0	0	0	0	0	1
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	12	0	0	0	0	0	12
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	0	0	0	5	0	0	5
	Total:	35	1	0	5	0	0	41

Forest Range: Polsara Comp. No.: 2 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 415.00 Grid Width in mtrs: 40
Period of Enum.: 29/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	19	0	0	0	0	0	19
3	ASAN	18	0	0	0	0	0	18
4	CHAR	9	0	0	0	0	0	9
5	DHAURA	19	9	1	1	0	0	30
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	24	0	0	0	0	0	24
8	KASHI	9	0	0	0	0	0	9
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	1	0	0	0	0	0	1
11	MAHULA	8	3	0	0	0	0	11
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	14	0	0	0	0	0	14
15	JAMUN	8	0	0	0	0	0	8
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	8	0	0	0	0	0	8
23	MANGO	0	0	0	1	1	0	2
24	MISC.	0	0	0	0	0	0	0
	Total:	137	12	1	2	1	0	153

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Polsara Comp. No.: 3 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 360.00 Grid Width in mtrs: 40
Period of Enum.: 29/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	13	2	4	0	0	0	19
3	ASAN	17	4	0	0	0	0	21
4	CHAR	12	0	0	0	0	0	12
5	DHAURA	12	3	1	0	0	0	16
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	12	0	0	0	0	0	12
8	KASHI	1	0	0	0	0	0	1
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	7	0	0	0	0	0	7
15	JAMUN	8	0	0	0	0	0	8
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	8	0	0	0	0	0	8
23	MANGO	0	0	0	0	0	1	1
24	MISC.	0	0	0	0	0	0	0
	Total:	90	9	5	0	0	1	105

Forest Range: Polsara Comp. No.: 4 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 375.00 Grid Width in mtrs: 40
Period of Enum.: 29/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	19	2	0	0	0	0	21
2	MAI	22	7	1	1	0	0	31
3	ASAN	18	0	0	0	0	0	18
4	CHAR	13	0	0	0	0	0	13
5	DHAURA	12	0	0	0	0	0	12
6	KUSUM	0	0	0	0	1	0	1
7	KENDU	0	0	0	0	0	0	0
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	6	0	0	0	0	0	6
11	MAHULA	9	2	0	0	0	0	11
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	18	0	0	0	0	0	18
15	JAMUN	9	0	0	0	0	0	9
16	AMLA	1	0	0	0	0	0	1
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	8	0	0	0	0	0	8
23	MANGO	0	0	0	0	0	1	1
24	MISC.	0	0	0	0	0	0	0
	Total:	135	11	1	1	1	1	150

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Polsara Comp. No.: 5 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 360.00 Grid Width in mtrs: 40
Period of Enum.: 29/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	34	14	9	0	0	0	57
3	ASAN	17	2	0	0	0	0	19
4	CHAR	4	0	0	0	0	0	4
5	DHAURA	8	3	0	0	0	0	11
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	18	0	0	0	0	0	18
8	KASHI	1	0	0	0	0	0	1
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	4	0	0	0	0	0	4
11	MAHULA	8	0	0	0	0	0	8
12	HALANDA	2	0	0	0	0	0	2
13	MUNDI	0	0	0	0	0	0	0
14	BELA	18	8	0	0	0	0	26
15	JAMUN	7	0	0	0	0	0	7
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	0	0	0	0	0	0	0
	Total:	121	27	9	0	0	0	157

Forest Range: Polsara Comp. No.: 6 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 800.00 Grid Width in mtrs: 40
Period of Enum.: 29/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	39	4	0	0	0	0	43
2	MAI	47	12	4	0	0	0	63
3	ASAN	37	9	0	0	0	0	46
4	CHAR	0	0	0	0	0	0	0
5	DHAURA	15	1	0	0	0	0	16
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	23	0	0	0	0	0	23
8	KASHI	1	0	0	0	0	0	1
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	3	0	0	0	0	0	3
11	MAHULA	9	0	0	0	0	0	9
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	32	3	0	0	0	0	35
15	JAMUN	4	0	0	0	0	0	4
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	2	0	0	0	0	0	2
23	MANGO	0	0	0	0	0	0	0
24	MISC.	0	0	0	0	0	0	0
	Total:	212	29	4	0	0	0	245

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Polsara Comp. No.: 7 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 440.00 Grid Width in mtrs: 40
Period of Enum.: 29/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	280	73	2	0	1	0	356
2	MAI	16	9	2	0	0	0	27
3	ASAN	83	26	4	0	0	0	113
4	CHAR	22	0	0	0	0	0	22
5	DHAURA	12	0	0	0	0	0	12
6	KUSUM	1	0	0	0	0	0	1
7	KENDU	4	3	4	0	0	0	11
8	KASHI	9	1	0	0	0	0	10
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	1	0	0	0	0	0	1
11	MAHULA	21	8	6	0	1	0	36
12	HALANDA	2	1	0	0	0	0	3
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	24	6	3	0	0	0	33
16	AMLA	1	1	0	0	0	0	2
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	2	0	0	0	0	0	2
19	SISOO	1	0	0	0	0	0	1
20	TEAK	1	0	0	0	0	0	1
21	TAMARIND	1	0	0	0	0	0	1
22	SIDHA	2	0	1	0	0	0	3
23	MANGO	1	0	0	0	0	1	2
24	MISC.	105	15	2	0	0	1	123
	Total:	589	143	24	0	2	2	760

Forest Range: Polsara Comp. No.: 8 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 260.00 Grid Width in mtrs: 40
Period of Enum.: 29/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	172	43	7	2	0	0	224
2	MAI	12	22	7	0	0	0	41
3	ASAN	37	21	2	0	0	0	60
4	CHAR	22	8	1	0	0	0	31
5	DHAURA	18	10	1	0	1	0	30
6	KUSUM	27	12	2	1	0	0	42
7	KENDU	11	7	0	0	0	0	18
8	KASHI	9	0	0	0	0	0	9
9	HARIDA	0	3	0	0	0	0	3
10	BAHADA	12	2	0	0	0	0	14
11	MAHULA	45	22	4	0	0	0	71
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	1	0	0	0	0	0	1
17	BANDHAN	3	0	0	0	0	0	3
18	PIASAL	2	0	0	0	0	0	2
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	4	0	0	0	0	0	4
23	MANGO	0	0	0	0	1	1	2
24	MISC.	0	0	0	0	0	0	0
	Total:	375	150	24	3	2	1	555

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Polsara Comp. No.: 9 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 345.00 Grid Width in mtrs: 40
Period of Enum.: 29/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	308	54	7	0	0	0	369
2	MAI	23	0	0	0	0	0	23
3	ASAN	42	6	0	0	0	0	48
4	CHAR	22	6	0	0	0	0	28
5	DHAURA	9	17	1	0	0	0	27
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	24	9	6	0	1	0	40
8	KASHI	2	1	0	0	0	0	3
9	HARIDA	1	0	0	0	0	0	1
10	BAHADA	2	0	0	0	0	0	2
11	MAHULA	42	23	7	2	0	0	74
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	17	6	1	0	0	0	24
16	AMLA	5	0	0	0	0	0	5
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	7	1	0	0	0	0	8
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	2	2	3	4	1	12
24	MISC.	0	0	0	0	0	0	0
	Total:	504	125	24	5	5	1	664

Forest Range: Polsara Comp. No.: 10 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 305.00 Grid Width in mtrs: 40
Period of Enum.: 29/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	360	110	2	0	0	0	472
2	MAI	59	13	1	0	0	0	73
3	ASAN	81	8	2	0	0	0	91
4	CHAR	165	4	0	0	0	0	169
5	DHAURA	11	0	0	0	0	0	11
6	KUSUM	3	0	0	0	0	0	3
7	KENDU	70	3	1	1	0	0	75
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	12	1	1	0	0	0	14
10	BAHADA	32	7	0	0	0	0	39
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	1	0	0	0	0	0	1
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	60	5	1	0	0	0	66
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	9	1	0	0	0	0	10
19	SISOO	55	0	0	0	0	0	55
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	15	1	0	0	0	0	16
23	MANGO	0	0	0	0	0	0	0
24	MISC.	0	0	0	0	0	0	0
	Total:	933	153	8	1	0	0	1095

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Polsara Comp. No.: 11 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 510.00 Grid Width in mtrs: 40
Period of Enum.: 29/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	59	18	0	0	0	0	77
2	MAI	175	32	4	1	0	0	212
3	ASAN	82	18	2	0	0	0	102
4	CHAR	29	9	0	0	0	0	38
5	DHAURA	22	1	0	1	0	0	24
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	132	22	2	0	0	0	156
8	KASHI	3	0	0	0	0	0	3
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	7	0	0	0	0	0	7
11	MAHULA	12	0	0	0	0	0	12
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	20	7	0	0	0	0	27
15	JAMUN	1	0	0	0	0	0	1
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	1	1	0	0	2
24	MISC.	324	73	4	1	2	2	406
	Total:	866	180	13	4	2	2	1067

Forest Range: Polsara Comp. No.: 12 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 495.00 Grid Width in mtrs: 40
Period of Enum.: 29/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	369	139	11	3	1	1	524
2	MAI	68	38	3	0	0	0	109
3	ASAN	177	33	3	0	0	0	213
4	CHAR	97	8	0	0	0	0	105
5	DHAURA	34	3	0	0	0	0	37
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	94	43	12	6	7	0	162
8	KASHI	18	0	0	0	0	0	18
9	HARIDA	7	0	0	0	0	0	7
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	47	7	1	0	0	0	55
12	HALANDA	12	0	0	0	0	0	12
13	MUNDI	0	0	0	0	0	0	0
14	BELA	12	0	0	0	0	0	12
15	JAMUN	3	0	0	0	0	0	3
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	72	12	0	0	0	0	84
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	4	0	0	0	0	0	4
23	MANGO	0	0	0	0	0	0	0
24	MISC.	287	44	9	4	0	0	344
	Total:	1301	327	39	13	8	1	1689

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Polsara Comp. No.: 13 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 170.00 Grid Width in mtrs: 40
Period of Enum.: 29/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	204	49	2	0	0	0	255
2	MAI	90	25	9	1	0	0	125
3	ASAN	159	40	4	0	0	0	203
4	CHAR	14	0	0	0	0	0	14
5	DHAURA	17	1	0	0	0	0	18
6	KUSUM	2	0	1	0	0	0	3
7	KENDU	13	0	0	0	0	0	13
8	KASHI	27	1	0	1	0	0	29
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	4	0	0	0	0	0	4
11	MAHULA	11	4	0	0	0	0	15
12	HALANDA	1	0	0	0	0	0	1
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	23	3	2	0	0	0	28
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	6	4	0	0	0	0	10
19	SISOO	1	0	0	0	0	0	1
20	TEAK	106	3	0	0	0	0	109
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	73	17	13	0	0	0	103
23	MANGO	0	0	0	1	0	0	1
24	MISC.	453	210	24	3	1	0	691
	Total:	1204	357	55	6	1	0	1623

Forest Range: Polsara Comp. No.: 14 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 375.00 Grid Width in mtrs: 40
Period of Enum.: 29/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	319	20	0	0	0	0	339
2	MAI	78	24	4	0	0	0	106
3	ASAN	40	11	0	0	0	0	51
4	CHAR	55	8	0	0	0	0	63
5	DHAURA	1	2	0	0	0	0	3
6	KUSUM	7	0	0	0	0	0	7
7	KENDU	8	2	0	0	0	0	10
8	KASHI	18	4	0	0	0	0	22
9	HARIDA	2	0	0	0	0	0	2
10	BAHADA	4	1	0	0	0	0	5
11	MAHULA	11	2	0	0	0	0	13
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	2	4	0	0	0	0	6
15	JAMUN	8	0	0	0	0	0	8
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	32	0	0	0	0	0	32
19	SISOO	1	0	0	0	0	0	1
20	TEAK	42	1	0	0	0	0	43
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	13	0	0	0	0	0	13
23	MANGO	0	0	0	0	0	2	2
24	MISC.	189	65	3	0	0	0	257
	Total:	830	144	7	0	0	2	983

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Polsara Comp. No.: 15 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 410.00 Grid Width in mtrs: 40
Period of Enum.: 29/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	290	49	0	0	0	0	339
2	MAI	123	23	7	1	0	0	154
3	ASAN	123	0	0	0	0	0	123
4	CHAR	75	0	0	0	0	0	75
5	DHAURA	30	0	0	0	0	0	30
6	KUSUM	1	0	0	0	0	0	1
7	KENDU	84	22	2	0	0	0	108
8	KASHI	54	0	0	0	0	0	54
9	HARIDA	2	0	0	0	0	0	2
10	BAHADA	3	0	0	0	0	0	3
11	MAHULA	38	0	0	0	0	0	38
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	18	0	0	0	0	0	18
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	53	18	0	0	0	0	71
19	SISOO	1	0	0	0	0	0	1
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	43	0	0	0	0	0	43
23	MANGO	0	0	0	0	0	0	0
24	MISC.	188	65	1	0	0	0	254
	Total:	1126	177	10	1	0	0	1314

Forest Range: Polsara Comp. No.: 16 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 565.00 Grid Width in mtrs: 40
Period of Enum.: 29/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	88	14	0	0	0	0	102
2	MAI	69	23	1	0	0	0	93
3	ASAN	17	3	0	0	0	0	20
4	CHAR	18	0	0	0	0	0	18
5	DHAURA	12	1	0	0	0	0	13
6	KUSUM	13	0	0	0	0	0	13
7	KENDU	18	0	0	0	0	0	18
8	KASHI	19	1	1	0	0	0	21
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	8	0	0	0	0	0	8
11	MAHULA	13	0	0	0	0	0	13
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	12	3	0	0	0	0	15
16	AMLA	4	0	0	0	0	0	4
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	13	2	0	0	0	0	15
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	24	0	0	0	0	0	24
23	MANGO	0	0	0	0	0	0	0
24	MISC.	214	34	4	0	0	0	252
	Total:	542	81	6	0	0	0	629

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Polsara Comp. No.: 17 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 270.00 Grid Width in mtrs: 40
Period of Enum.: 29/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	59	9	0	0	0	0	68
2	MAI	53	18	3	0	0	0	74
3	ASAN	49	9	0	0	0	0	58
4	CHAR	44	0	0	0	0	0	44
5	DHAURA	39	2	0	0	0	0	41
6	KUSUM	35	0	0	0	2	0	37
7	KENDU	13	14	2	0	0	0	29
8	KASHI	34	12	0	0	0	0	46
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	12	8	3	0	0	0	23
11	MAHULA	8	0	0	0	0	0	8
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	2	0	0	0	0	0	2
15	JAMUN	2	4	0	0	0	0	6
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	33	7	0	0	0	0	40
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	43	9	1	0	0	0	53
23	MANGO	0	0	0	0	0	0	0
24	MISC.	164	54	3	2	2	1	226
	Total:	590	146	12	2	4	1	755

Forest Range: Polsara Comp. No.: 18 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 365.00 Grid Width in mtrs: 40
Period of Enum.: 29/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	74	15	0	0	0	0	89
2	MAI	149	48	0	0	0	0	197
3	ASAN	28	7	0	0	0	0	35
4	CHAR	8	0	0	0	0	0	8
5	DHAURA	17	1	0	0	0	0	18
6	KUSUM	19	0	0	0	0	0	19
7	KENDU	32	8	0	0	0	0	40
8	KASHI	58	23	0	0	0	0	81
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	2	0	0	0	0	0	2
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	8	1	0	0	0	0	9
15	JAMUN	2	0	0	0	0	0	2
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	22	0	0	0	0	0	22
23	MANGO	0	0	0	0	0	0	0
24	MISC.	322	54	13	1	0	0	390
	Total:	741	157	13	1	0	0	912

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Polsara Comp. No.: 19 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 330.00 Grid Width in mtrs: 40
Period of Enum.: 29/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	223	12	0	0	0	0	235
2	MAI	48	12	0	0	0	0	60
3	ASAN	25	6	0	0	0	0	31
4	CHAR	32	2	0	0	0	0	34
5	DHAURA	12	8	0	0	0	0	20
6	KUSUM	6	2	0	0	0	0	8
7	KENDU	17	4	0	0	0	0	21
8	KASHI	34	12	0	0	0	0	46
9	HARIDA	2	0	0	0	0	0	2
10	BAHADA	17	1	0	0	0	0	18
11	MAHULA	17	0	0	0	0	0	17
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	22	2	0	0	0	0	24
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	134	15	1	0	1	0	151
	Total:	589	76	1	0	1	0	667

Forest Range: Polsara Comp. No.: 20 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 260.00 Grid Width in mtrs: 40
Period of Enum.: 29/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	58	7	0	0	0	0	65
2	MAI	34	0	0	0	0	0	34
3	ASAN	34	19	3	0	0	0	56
4	CHAR	43	7	3	0	0	0	53
5	DHAURA	28	8	12	0	1	0	49
6	KUSUM	27	0	0	1	2	0	30
7	KENDU	29	9	0	1	0	0	39
8	KASHI	68	12	0	0	0	0	80
9	HARIDA	8	0	1	0	0	0	9
10	BAHADA	12	0	0	0	0	0	12
11	MAHULA	34	12	3	0	0	2	51
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	19	2	0	0	0	0	21
15	JAMUN	8	0	0	0	0	0	8
16	AMLA	1	0	0	0	0	0	1
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	37	9	0	0	0	0	46
23	MANGO	0	0	0	0	0	0	0
24	MISC.	323	86	3	2	1	4	419
	Total:	763	171	25	4	4	6	973

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Polsara Comp. No.: 21 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 110.00 Grid Width in mtrs: 40
Period of Enum.: 29/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	165	73	2	0	0	0	240
2	MAI	33	63	59	28	0	1	184
3	ASAN	98	48	4	1	0	0	151
4	CHAR	47	3	0	0	0	0	50
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	12	5	1	0	0	0	18
7	KENDU	42	3	1	0	0	0	46
8	KASHI	58	17	2	0	0	0	77
9	HARIDA	12	5	1	0	0	0	18
10	BAHADA	12	4	0	0	0	0	16
11	MAHULA	75	78	0	0	0	0	153
12	HALANDA	13	2	0	0	0	0	15
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	15	13	3	1	0	0	32
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	7	4	1	0	0	0	12
18	PIASAL	48	12	0	0	0	0	60
19	SISOO	7	0	0	0	0	0	7
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	475	157	34	17	2	1	686
	Total:	1119	487	108	47	2	2	1765

Forest Range: Polsara Comp. No.: 22 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 470.00 Grid Width in mtrs: 40
Period of Enum.: 29/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	96	21	14	13	7	1	152
2	MAI	4	1	2	0	0	0	7
3	ASAN	22	9	2	0	0	0	33
4	CHAR	85	1	0	0	0	0	86
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	1	0	0	0	0	0	1
7	KENDU	22	2	1	0	0	0	25
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	2	0	0	0	0	0	2
11	MAHULA	4	5	1	1	0	0	11
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	1	0	0	0	1
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	1	0	0	0	0	1
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	42	10	4	1	0	0	57
	Total:	278	50	25	15	7	1	376

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Polsara Comp. No.: 23 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 250.00 Grid Width in mtrs: 40
Period of Enum.: 29/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	36	30	100	42	11	3	222
2	MAI	2	0	6	2	0	0	10
3	ASAN	0	0	1	0	0	0	1
4	CHAR	0	0	0	0	0	0	0
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	1	1	0	0	0	0	2
7	KENDU	0	0	0	0	0	0	0
8	KASHI	0	1	2	2	0	0	5
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	2	3	2	1	0	0	8
13	MUNDI	1	0	0	1	0	0	2
14	BELA	1	0	1	0	0	0	2
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	3	0	0	0	3
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	2	2	0	0	0	4
24	MISC.	0	3	8	1	2	0	14
	Total:	43	40	125	49	13	3	273

Forest Range: Polsara Comp. No.: 24 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 270.00 Grid Width in mtrs: 40
Period of Enum.: 29/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	96	20	14	13	7	1	151
2	MAI	4	1	2	0	0	0	7
3	ASAN	22	9	2	0	0	0	33
4	CHAR	80	1	0	0	0	0	81
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	1	0	0	0	0	0	1
7	KENDU	22	2	1	0	0	0	25
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	2	0	0	0	0	0	2
11	MAHULA	4	5	1	1	0	0	11
12	HALANDA	2	0	0	0	0	0	2
13	MUNDI	0	0	1	0	0	0	1
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	42	10	4	1	0	0	57
	Total:	275	48	25	15	7	1	371

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Polsara Comp. No.: 25 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 280.00 Grid Width in mtrs: 40
Period of Enum.: 29/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	36	30	100	42	11	3	222
2	MAI	2	0	6	2	0	0	10
3	ASAN	0	0	1	0	0	0	1
4	CHAR	0	0	0	0	0	0	0
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	1	1	0	0	0	0	2
7	KENDU	0	0	0	0	0	0	0
8	KASHI	0	1	2	2	0	0	5
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	2	2	0	0	0	4
12	HALANDA	2	3	2	1	0	0	8
13	MUNDI	1	0	0	1	0	0	2
14	BELA	1	0	1	0	0	0	2
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	3	0	0	0	3
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	0	3	8	1	2	0	14
	Total:	43	40	125	49	13	3	273

Forest Range: Polsara Comp. No.: 26 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 270.00 Grid Width in mtrs: 40
Period of Enum.: 30/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	22	15	3	0	0	0	40
3	ASAN	29	2	0	0	0	0	31
4	CHAR	23	2	0	0	0	0	25
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	1	1	0	0	0	0	2
7	KENDU	8	0	2	0	0	0	10
8	KASHI	15	2	0	0	0	0	17
9	HARIDA	12	5	0	0	0	0	17
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	2	0	0	0	0	0	2
13	MUNDI	0	0	0	0	0	0	0
14	BELA	8	2	0	0	0	0	10
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	1	0	0	0	0	0	1
17	BANDHAN	1	1	0	0	0	0	2
18	PIASAL	3	0	0	0	0	0	3
19	SISOO	0	0	0	0	0	0	0
20	TEAK	106	5	0	0	0	0	111
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	160	26	4	3	0	2	195
	Total:	391	61	9	3	0	2	466

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Polsara Comp. No.: 27 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 325.00 Grid Width in mtrs: 40
Period of Enum.: 30/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	33	22	7	0	0	0	62
3	ASAN	28	13	0	0	0	0	41
4	CHAR	37	12	0	0	0	0	49
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	3	1	0	0	0	0	4
7	KENDU	28	4	0	0	0	0	32
8	KASHI	28	7	0	0	0	0	35
9	HARIDA	12	7	0	0	0	0	19
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	7	0	0	0	0	0	7
13	MUNDI	0	0	0	0	0	0	0
14	BELA	12	7	0	0	0	0	19
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	7	2	0	0	0	0	9
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	58	18	8	7	0	2	93
	Total:	253	93	15	7	0	2	370

Forest Range: Polsara Comp. No.: 28 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 500.00 Grid Width in mtrs: 40
Period of Enum.: 30/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	98	5	0	0	0	0	103
2	MAI	28	13	0	0	0	0	41
3	ASAN	17	5	0	0	0	0	22
4	CHAR	27	7	0	0	0	0	34
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	12	0	0	0	0	0	12
7	KENDU	12	7	0	0	0	0	19
8	KASHI	12	2	0	0	0	0	14
9	HARIDA	12	0	0	0	0	0	12
10	BAHADA	7	2	0	0	0	0	9
11	MAHULA	12	3	0	0	0	0	15
12	HALANDA	15	0	0	0	0	0	15
13	MUNDI	9	0	0	0	0	0	9
14	BELA	17	2	0	0	0	0	19
15	JAMUN	12	0	0	0	0	0	12
16	AMLA	7	0	0	0	0	0	7
17	BANDHAN	7	0	0	0	0	0	7
18	PIASAL	13	0	0	0	0	0	13
19	SISOO	0	0	0	0	0	0	0
20	TEAK	20	12	0	0	0	0	32
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	53	12	0	0	0	0	65
	Total:	390	70	0	0	0	0	460

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Polsara Comp. No.: 29 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 375.00 Grid Width in mtrs: 40
Period of Enum.: 30/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	98	5	0	0	0	0	103
2	MAI	28	13	0	0	0	0	41
3	ASAN	17	5	0	0	0	0	22
4	CHAR	27	7	0	0	0	0	34
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	12	0	0	0	0	0	12
7	KENDU	12	7	0	0	0	0	19
8	KASHI	12	2	0	0	0	0	14
9	HARIDA	12	0	0	0	0	0	12
10	BAHADA	7	2	0	0	0	0	9
11	MAHULA	12	3	0	0	0	0	15
12	HALANDA	15	0	0	0	0	0	15
13	MUNDI	9	0	0	0	0	0	9
14	BELA	17	2	0	0	0	0	19
15	JAMUN	12	0	0	0	0	0	12
16	AMLA	7	0	0	0	0	0	7
17	BANDHAN	7	0	0	0	0	0	7
18	PIASAL	13	0	0	0	0	0	13
19	SISOO	0	0	0	0	0	0	0
20	TEAK	20	12	0	0	0	0	32
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	53	12	0	0	0	0	65
	Total:	390	70	0	0	0	0	460

Forest Range: Polsara Comp. No.: 30 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 225.00 Grid Width in mtrs: 40
Period of Enum.: 30/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	93	5	0	0	0	0	98
2	MAI	24	6	0	0	0	0	30
3	ASAN	23	2	0	0	0	0	25
4	CHAR	12	2	0	0	0	0	14
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	13	0	0	0	0	0	13
7	KENDU	12	0	0	0	0	0	12
8	KASHI	5	2	0	0	0	0	7
9	HARIDA	7	0	0	0	0	0	7
10	BAHADA	8	0	0	0	0	0	8
11	MAHULA	10	2	0	0	0	0	12
12	HALANDA	6	0	0	0	0	0	6
13	MUNDI	7	1	0	0	0	0	8
14	BELA	13	0	0	0	0	0	13
15	JAMUN	7	0	0	0	0	0	7
16	AMLA	7	0	0	0	0	0	7
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	6	0	0	0	0	0	6
19	SISOO	0	0	0	0	0	0	0
20	TEAK	13	0	0	0	0	0	13
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	38	7	0	0	0	0	45
	Total:	304	27	0	0	0	0	331

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Polsara Comp. No.: 31 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 200.00 Grid Width in mtrs: 40
Period of Enum.: 30/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	98	5	0	0	0	0	103
2	MAI	28	13	0	0	0	0	41
3	ASAN	17	5	0	0	0	0	22
4	CHAR	27	7	0	0	0	0	34
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	12	0	0	0	0	0	12
7	KENDU	12	7	0	0	0	0	19
8	KASHI	12	2	0	0	0	0	14
9	HARIDA	12	0	0	0	0	0	12
10	BAHADA	7	2	0	0	0	0	9
11	MAHULA	12	3	0	0	0	0	15
12	HALANDA	15	0	0	0	0	0	15
13	MUNDI	9	0	0	0	0	0	9
14	BELA	17	2	0	0	0	0	19
15	JAMUN	12	0	0	0	0	0	12
16	AMLA	7	0	0	0	0	0	7
17	BANDHAN	7	0	0	0	0	0	7
18	PIASAL	13	0	0	0	0	0	13
19	SISOO	0	0	0	0	0	0	0
20	TEAK	20	12	0	0	0	0	32
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	53	12	0	0	0	0	65
	Total:	390	70	0	0	0	0	460

Forest Range: Polsara Comp. No.: 32 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 260.00 Grid Width in mtrs: 40
Period of Enum.: 30/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	30	10	21	16	2	0	79
2	MAI	3	1	0	0	0	0	4
3	ASAN	6	0	0	0	0	0	6
4	CHAR	0	0	0	0	0	0	0
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	0	0	0	0	0	0	0
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	1	0	0	0	0	0	1
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	1	0	0	0	0	0	1
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	2	0	1	1	0	0	4
	Total:	43	11	22	17	2	0	95

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Polsara Comp. No.: 33 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 355.00 Grid Width in mtrs: 40
Period of Enum.: 30/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	0	0	0	0	0	0	0
3	ASAN	119	6	0	0	0	0	125
4	CHAR	0	0	0	0	0	0	0
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	43	3	0	0	0	0	46
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	34	0	0	0	0	0	34
14	BELA	27	5	0	0	0	0	32
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	297	38	2	0	0	0	337
	Total:	520	52	2	0	0	0	574

Forest Range: Polsara Comp. No.: 34 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 335.00 Grid Width in mtrs: 40
Period of Enum.: 30/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	0	0	0	0	0	0	0
3	ASAN	0	0	0	0	0	0	0
4	CHAR	120	0	0	0	0	0	120
5	DHAURA	80	3	1	0	0	0	84
6	KUSUM	23	0	0	0	0	0	23
7	KENDU	27	2	0	0	0	0	29
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	29	5	0	0	0	0	34
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	32	2	0	0	0	0	34
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	185	18	6	0	0	0	209
	Total:	496	30	7	0	0	0	533

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Polsara Comp. No.: 35 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 375.00 Grid Width in mtrs: 40
Period of Enum.: 30/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	139	16	2	0	0	0	157
3	ASAN	0	0	0	0	0	0	0
4	CHAR	0	0	0	0	0	0	0
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	23	2	0	0	0	0	25
8	KASHI	38	0	0	0	0	0	38
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	27	1	0	0	0	0	28
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	205	21	0	0	0	0	226
	Total:	432	40	2	0	0	0	474

Forest Range: Polsara Comp. No.: 36 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 475.00 Grid Width in mtrs: 40
Period of Enum.: 30/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	0	0	0	0	0	0	0
3	ASAN	0	0	0	0	0	0	0
4	CHAR	30	0	0	0	0	0	30
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	7	1	0	0	0	0	8
7	KENDU	10	2	0	0	0	0	12
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	15	0	0	0	0	0	15
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	23	2	0	0	0	0	25
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	114	4	1	0	0	0	119
	Total:	199	9	1	0	0	0	209

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Polsara Comp. No.: 37 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 385.00 Grid Width in mtrs: 40
Period of Enum.: 30/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	130	12	0	0	0	0	142
3	ASAN	0	0	0	0	0	0	0
4	CHAR	70	0	0	0	0	0	70
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	34	0	0	0	0	0	34
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	18	0	0	0	0	0	18
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	34	0	0	0	0	0	34
15	JAMUN	21	0	0	0	0	0	21
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	199	11	2	0	0	0	212
	Total:	506	23	2	0	0	0	531

Forest Range: Polsara Comp. No.: 38 Method: 1% Systematic Strip Enum.
Forest Block: Pandripada DPF Total Area (Ha.): 125.00 Grid Width in mtrs: 40
Period of Enum.: 30/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	88	14	0	0	0	0	102
2	MAI	69	23	1	0	0	0	93
3	ASAN	17	3	0	0	0	0	20
4	CHAR	18	0	0	0	0	0	18
5	DHAURA	12	1	0	0	0	0	13
6	KUSUM	13	0	0	0	0	0	13
7	KENDU	18	0	0	0	0	0	18
8	KASHI	19	1	1	0	0	0	21
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	8	0	0	0	0	0	8
11	MAHULA	13	0	0	0	0	0	13
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	12	3	0	0	0	0	15
16	AMLA	4	0	0	0	0	0	4
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	13	2	0	0	0	0	15
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	24	0	0	0	0	0	24
23	MANGO	0	0	0	0	0	0	0
24	MISC.	214	34	4	0	0	0	252
	Total:	542	81	6	0	0	0	629

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Polsara Comp. No.: 1 Method: 1% Systematic Strip Enum.
Forest Block: Bhalukhai DPF Total Area (Ha.): 13.20 Grid Width in mtrs: 40
Period of Enum.: 30/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	5	1	0	0	0	0	6
2	MAI	0	0	2	1	0	0	3
3	ASAN	0	2	0	0	1	0	3
4	CHAR	0	0	0	0	0	0	0
5	DHAURA	0	2	0	0	0	0	2
6	KUSUM	1	0	0	0	2	0	3
7	KENDU	0	4	0	0	0	0	4
8	KASHI	0	2	0	0	1	0	3
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	3	0	0	1	0	0	4
11	MAHULA	3	0	0	0	1	0	4
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	2	0	0	0	0	0	2
15	JAMUN	0	2	0	0	0	0	2
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	1	1	0	2	0	0	4
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	4	2	0	1	0	0	7
23	MANGO	0	0	0	0	0	0	0
24	MISC.	13	5	1	2	2	1	24
	Total:	32	21	3	7	7	1	71

Forest Range: Polsara Comp. No.: 1 Method: 1% Systematic Strip Enum.
Forest Block: Sodaka-A DPF Total Area (Ha.): 400.00 Grid Width in mtrs: 40
Period of Enum.: 30/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	139	16	2	0	0	0	157
3	ASAN	0	0	0	0	0	0	0
4	CHAR	0	0	0	0	0	0	0
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	23	2	0	0	0	0	25
8	KASHI	38	0	0	0	0	0	38
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	27	1	0	0	0	0	28
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	205	21	0	0	0	0	226
	Total:	432	40	2	0	0	0	474

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Polsara
Forest Block: Sodaka-B DPF
Period of Enum.: 30/11/12

Comp. No.: 1
Total Area (Ha.) : 430.00
Area of Enum. (Ha.) : 0.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	0	0	0	0	0	0	0
3	ASAN	0	0	0	0	0	0	0
4	CHAR	30	0	0	0	0	0	30
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	7	1	0	0	0	0	8
7	KENDU	10	2	0	0	0	0	12
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	15	0	0	0	0	0	15
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	23	2	0	0	0	0	25
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	114	4	1	0	0	0	119
	Total:	199	9	1	0	0	0	209

Forest Range: Polsara
Forest Block: Kakudia DPF
Period of Enum.: 30/11/12

Comp. No.: 1
Total Area (Ha.) : 85.02
Area of Enum. (Ha.) : 0.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	130	12	0	0	0	0	142
3	ASAN	0	0	0	0	0	0	0
4	CHAR	70	0	0	0	0	0	70
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	34	0	0	0	0	0	34
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	18	0	0	0	0	0	18
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	34	0	0	0	0	0	34
15	JAMUN	21	0	0	0	0	0	21
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	199	11	2	0	0	0	212
	Total:	506	23	2	0	0	0	531

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Polsara Comp. No.: 1 Method: 1% Systematic Strip Enum.
Forest Block: Purunapani-daburia Total Area (Ha.): 320.00 Grid Width in mtrs: 40
Period of Enum.: 30/11/12 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	65	51	22	12	9	4	163
2	MAI	58	38	0	0	0	0	96
3	ASAN	14	8	0	0	0	0	22
4	CHAR	145	18	3	0	0	0	166
5	DHAURA	74	0	0	0	10	2	86
6	KUSUM	7	12	4	1	0	1	25
7	KENDU	46	0	0	1	1	1	49
8	KASHI	4	0	0	0	0	0	4
9	HARIDA	9	0	0	0	1	0	10
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	45	0	0	0	2	2	49
12	HALANDA	16	3	4	0	0	0	23
13	MUNDI	0	6	0	0	0	0	6
14	BELA	0	3	0	0	0	0	3
15	JAMUN	0	6	0	0	0	0	6
16	AMLA	0	9	0	0	0	0	9
17	BANDHAN	0	14	7	1	3	0	25
18	PIASAL	2	2	0	0	0	0	4
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	12	13	6	1	0	0	32
23	MANGO	0	0	0	0	0	0	0
24	MISC.	100	0	61	13	7	4	185
	Total:	597	183	107	29	33	14	963

Forest Range: Polsara Comp. No.: 2 Method: 1% Systematic Strip Enum.
Forest Block: Purunapani-daburia Total Area (Ha.): 275.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	22	7	2	2	0	0	33
2	MAI	0	0	49	32	3	0	84
3	ASAN	13	8	8	0	2	0	31
4	CHAR	0	14	2	0	0	0	16
5	DHAURA	0	0	0	0	7	2	9
6	KUSUM	28	19	19	4	2	0	72
7	KENDU	0	0	0	2	0	0	2
8	KASHI	3	0	1	0	0	0	4
9	HARIDA	8	0	0	0	1	1	10
10	BAHADA	4	0	0	0	0	0	4
11	MAHULA	8	0	0	0	0	1	9
12	HALANDA	0	7	0	2	0	0	9
13	MUNDI	0	1	0	3	0	0	4
14	BELA	14	2	0	0	0	0	16
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	2	3	0	0	0	0	5
17	BANDHAN	9	7	0	0	0	0	16
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	8	2	2	0	0	0	12
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	12	20	7	2	1	0	42
23	MANGO	0	0	0	0	0	0	0
24	MISC.	20	18	0	0	27	0	65
	Total:	151	108	90	47	43	4	443

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Polsara
Forest Block: Purunapani
daburia

Comp. No.: 3
Total Area (Ha.): 345.00
Area of Enum. (Ha.): 0.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	66	47	14	2	4	2	135
2	MAI	0	0	0	9	1	0	10
3	ASAN	0	0	0	2	2	0	4
4	CHAR	60	18	0	0	0	0	78
5	DHAURA	44	0	0	0	6	0	50
6	KUSUM	45	0	0	0	0	0	45
7	KENDU	17	8	2	0	0	0	27
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	4	2	2	0	0	0	8
10	BAHADA	2	2	0	0	0	0	4
11	MAHULA	23	0	0	2	0	0	25
12	HALANDA	13	0	0	0	0	0	13
13	MUNDI	3	0	2	0	0	0	5
14	BELA	4	3	1	0	0	0	8
15	JAMUN	3	2	0	0	0	0	5
16	AMLA	12	2	0	0	0	0	14
17	BANDHAN	8	6	2	1	0	0	17
18	PIASAL	5	0	0	0	0	0	5
19	SISOO	3	2	0	0	0	0	5
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	25	9	0	0	0	0	34
23	MANGO	0	0	0	0	0	0	0
24	MISC.	165	58	38	11	8	5	285
	Total:	502	159	61	27	21	7	777

Forest Range: Polsara
Forest Block: Purunapani
daburia

Comp. No.: 4
Total Area (Ha.): 470.00
Area of Enum. (Ha.): 0.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	51	22	18	10	5	0	106
3	ASAN	8	3	8	4	0	0	23
4	CHAR	0	10	6	0	0	0	16
5	DHAURA	23	0	0	22	5	1	51
6	KUSUM	26	0	0	8	2	3	39
7	KENDU	27	11	0	0	0	0	38
8	KASHI	11	6	0	0	0	0	17
9	HARIDA	5	3	0	0	1	0	9
10	BAHADA	2	1	0	1	0	0	4
11	MAHULA	7	8	2	0	0	1	18
12	HALANDA	7	2	0	0	0	0	9
13	MUNDI	1	5	0	0	0	0	6
14	BELA	3	0	0	0	0	0	3
15	JAMUN	2	0	1	0	0	0	3
16	AMLA	9	0	0	0	0	0	9
17	BANDHAN	4	5	7	2	2	0	20
18	PIASAL	0	1	0	3	0	0	4
19	SISOO	7	9	1	0	0	0	17
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	19	0	0	0	2	1	22
23	MANGO	0	0	0	0	0	2	2
24	MISC.	120	4	0	24	7	5	160
	Total:	332	90	43	74	24	13	576

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Polsara
Forest Block: Purunapani
daburia

Comp. No.: 5
Total Area (Ha.): 325.00
Area of Enum. (Ha.): 0.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	11	3	2	6	2	4	28
2	MAI	49	0	0	13	1	1	64
3	ASAN	16	10	0	0	0	0	26
4	CHAR	48	19	6	0	0	0	73
5	DHAURA	35	21	0	0	0	0	56
6	KUSUM	27	9	0	0	3	2	41
7	KENDU	17	7	5	5	0	0	34
8	KASHI	0	0	10	2	0	0	12
9	HARIDA	0	0	5	2	0	0	7
10	BAHADA	0	0	1	0	0	0	1
11	MAHULA	5	7	13	2	0	1	28
12	HALANDA	0	0	0	12	4	0	16
13	MUNDI	0	0	0	5	0	1	6
14	BELA	7	0	2	0	0	0	9
15	JAMUN	2	1	2	1	0	0	6
16	AMLA	12	0	0	0	0	0	12
17	BANDHAN	10	0	0	2	3	0	15
18	PIASAL	1	0	0	0	0	0	1
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	35	18	10	4	1	1	69
23	MANGO	0	0	0	0	0	1	1
24	MISC.	190	78	12	10	0	0	290
	Total:	465	173	68	64	14	11	795

Forest Range: Polsara
Forest Block: Purunapani
daburia

Comp. No.: 6
Total Area (Ha.): 380.00
Area of Enum. (Ha.): 0.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	5	6	6	4	0	4	25
2	MAI	0	0	0	0	7	0	7
3	ASAN	10	14	16	6	2	2	50
4	CHAR	0	0	4	0	1	0	5
5	DHAURA	23	27	0	0	0	0	50
6	KUSUM	15	9	0	0	0	4	28
7	KENDU	14	11	7	3	0	1	36
8	KASHI	4	0	0	0	4	0	8
9	HARIDA	7	0	0	0	1	0	8
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	3	0	0	0	0	3
12	HALANDA	3	0	7	7	3	1	21
13	MUNDI	6	10	13	7	0	0	36
14	BELA	8	5	0	0	0	0	13
15	JAMUN	1	0	0	0	0	0	1
16	AMLA	10	4	0	0	0	0	14
17	BANDHAN	3	0	0	3	1	0	7
18	PIASAL	4	1	0	0	0	0	5
19	SISOO	3	0	2	0	0	0	5
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	20	0	0	6	3	3	32
23	MANGO	0	0	0	0	0	0	0
24	MISC.	135	52	13	0	0	3	203
	Total:	271	142	68	36	22	18	557

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Polsara
Forest Block: Purunapani
daburia

Comp. No.: 7
Total Area (Ha.): 240.00
Area of Enum. (Ha.): 0.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	33	6	12	3	3	1	58
2	MAI	9	11	0	10	0	0	30
3	ASAN	10	2	8	4	0	0	24
4	CHAR	0	0	4	0	0	0	4
5	DHAURA	15	0	0	0	6	0	21
6	KUSUM	17	0	0	0	8	5	30
7	KENDU	0	5	10	3	1	0	19
8	KASHI	1	1	0	0	0	0	2
9	HARIDA	8	4	7	5	1	0	25
10	BAHADA	2	0	0	0	0	0	2
11	MAHULA	0	0	0	8	3	3	14
12	HALANDA	10	7	9	13	1	1	41
13	MUNDI	3	4	0	0	0	0	7
14	BELA	2	0	0	0	0	0	2
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	15	5	0	0	0	0	20
17	BANDHAN	9	6	8	4	1	0	28
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	1	3	0	1	0	0	5
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	8	12	3	2	0	0	25
23	MANGO	0	0	0	0	0	0	0
24	MISC.	130	49	0	0	9	5	193
	Total:	273	115	61	53	33	15	550

Forest Range: Polsara
Forest Block: Purunapani
daburia

Comp. No.: 8
Total Area (Ha.): 170.00
Area of Enum. (Ha.): 0.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	13	6	11	0	4	0	34
2	MAI	29	0	0	0	2	0	31
3	ASAN	7	0	0	0	1	0	8
4	CHAR	87	14	0	0	0	0	101
5	DHAURA	16	0	0	0	3	1	20
6	KUSUM	23	0	0	0	4	2	29
7	KENDU	22	17	3	0	0	0	42
8	KASHI	1	0	0	0	0	0	1
9	HARIDA	7	12	0	2	1	0	22
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	0	13	4	1	0	18
12	HALANDA	10	0	0	2	2	0	14
13	MUNDI	5	0	0	3	0	1	9
14	BELA	1	1	0	0	0	0	2
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	23	4	0	0	0	0	27
17	BANDHAN	1	0	0	0	8	0	9
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	8	6	1	0	0	0	15
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	3	11	4	1	1	0	20
23	MANGO	0	0	0	0	0	0	0
24	MISC.	178	99	11	0	0	2	290
	Total:	434	170	43	12	27	6	692

of Ghumsur South Division

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	43	21	17	13	3	0	97
2	MAI	15	4	11	17	5	1	53
3	ASAN	13	11	6	5	1	1	37
4	CHAR	34	6	1	0	0	0	41
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	1	0	1
7	KENDU	15	10	0	0	3	1	29
8	KASHI	2	2	0	0	2	0	6
9	HARIDA	4	6	0	0	0	0	10
10	BAHADA	0	2	0	0	0	0	2
11	MAHULA	33	10	0	0	1	2	46
12	HALANDA	8	4	6	3	1	1	23
13	MUNDI	4	0	0	0	0	0	4
14	BELA	3	5	0	0	0	0	8
15	JAMUN	5	6	0	0	1	0	12
16	AMLA	3	3	0	0	0	0	6
17	BANDHAN	4	0	0	0	0	0	4
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	5	0	0	0	0	0	5
20	TEAK	3	0	0	0	0	0	3
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	15	0	0	1	1	1	18
23	MANGO	0	0	0	0	0	1	1
24	MISC.	116	66	0	0	4	3	189
	Total:	325	156	41	39	23	11	595

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Polsara Comp. No.: 1 Method: 1% Systematic Strip Enum.
Forest Block: Khaladimal PRF Total Area (Ha.): 400.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	12	10	4	3	0	0	29
2	MAI	35	10	7	6	0	1	59
3	ASAN	7	6	8	7	2	3	33
4	CHAR	31	0	0	0	0	0	31
5	DHAURA	22	0	0	4	2	3	31
6	KUSUM	7	0	0	6	2	1	16
7	KENDU	3	1	3	4	0	0	11
8	KASHI	4	3	2	1	0	0	10
9	HARIDA	1	2	1	0	0	0	4
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	2	2	1	0	2	0	7
12	HALANDA	2	0	2	2	1	4	11
13	MUNDI	0	0	1	1	0	0	2
14	BELA	0	0	0	0	0	0	0
15	JAMUN	7	0	2	0	0	0	9
16	AMLA	6	2	0	0	0	0	8
17	BANDHAN	8	9	3	1	1	0	22
18	PIASAL	1	0	0	3	0	0	4
19	SISOO	3	0	3	0	0	0	6
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	3	7	8	2	0	2	22
23	MANGO	0	0	0	0	0	0	0
24	MISC.	96	27	35	17	6	5	186
	Total:	250	79	80	57	16	19	501

Forest Range: Polsara Comp. No.: 2 Method: 1% Systematic Strip Enum.
Forest Block: Khaladimal PRF Total Area (Ha.): 275.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	13	6	11	0	4	0	34
2	MAI	0	4	2	0	0	0	6
3	ASAN	4	5	2	0	0	0	11
4	CHAR	0	0	0	0	0	0	0
5	DHAURA	2	3	1	0	0	0	6
6	KUSUM	1	0	0	0	0	0	1
7	KENDU	0	0	0	0	0	0	0
8	KASHI	10	1	0	0	0	0	11
9	HARIDA	10	4	2	0	0	0	16
10	BAHADA	0	0	1	1	0	0	2
11	MAHULA	1	2	5	0	1	0	9
12	HALANDA	0	7	4	0	0	0	11
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	2	1	0	0	0	3
17	BANDHAN	0	0	1	0	0	1	2
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	3	1	0	0	0	4
20	TEAK	0	2	10	0	1	0	13
21	TAMARIND	0	2	5	0	0	0	7
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	2	0	0	0	0	2
24	MISC.	77	12	3	0	1	1	94
	Total:	118	55	49	1	7	2	232

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Polsara Comp. No.: 3 Method: 1% Systematic Strip Enum.
Forest Block: Khaladimal PRF Total Area (Ha.): 125.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	12	0	0	18	1	1	32
2	MAI	26	23	0	0	0	0	49
3	ASAN	15	6	0	0	3	1	25
4	CHAR	0	0	0	0	0	0	0
5	DHAURA	24	18	0	0	7	0	49
6	KUSUM	0	0	14	9	1	1	25
7	KENDU	33	0	0	1	0	1	35
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	9	6	5	1	0	0	21
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	33	0	0	11	7	0	51
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	8	4	0	1	0	13
14	BELA	23	23	0	0	1	0	47
15	JAMUN	4	3	0	0	0	0	7
16	AMLA	2	0	0	0	0	0	2
17	BANDHAN	7	2	0	0	0	0	9
18	PIASAL	2	12	5	3	0	0	22
19	SISOO	0	1	8	1	0	0	10
20	TEAK	0	1	0	0	0	0	1
21	TAMARIND	16	17	6	0	0	0	39
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	123	107	29	0	3	3	265
24	MISC.	0	0	0	0	0	0	0
	Total:	329	227	71	44	24	7	702

Forest Range: Polsara Comp. No.: 4 Method: 1% Systematic Strip Enum.
Forest Block: Khaladimal PRF Total Area (Ha.): 135.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	43	21	17	13	3	0	97
2	MAI	15	4	11	17	5	1	53
3	ASAN	13	11	6	5	1	1	37
4	CHAR	34	6	1	0	0	0	41
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	1	0	1
7	KENDU	15	10	0	0	3	1	29
8	KASHI	2	2	0	0	2	0	6
9	HARIDA	4	6	0	0	0	0	10
10	BAHADA	0	2	0	0	0	0	2
11	MAHULA	8	4	6	3	1	1	23
12	HALANDA	4	0	0	0	0	0	4
13	MUNDI	3	5	0	0	0	0	8
14	BELA	5	6	0	0	1	0	12
15	JAMUN	3	3	0	0	0	0	6
16	AMLA	4	0	0	0	0	0	4
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	5	0	0	0	0	0	5
19	SISOO	3	0	0	0	0	0	3
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	15	0	0	1	1	1	18
22	SIDHA	0	0	0	0	0	1	1
23	MANGO	116	66	0	0	4	3	189
24	MISC.	0	0	0	0	0	0	0
	Total:	292	146	41	39	22	9	549

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Polsara Comp. No.: 5 Method: 1% Systematic Strip Enum.
Forest Block: Khaladimal PRF Total Area (Ha.): 430.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	44	39	1	0	0	0	84
2	MAI	0	4	2	0	0	0	6
3	ASAN	4	5	2	0	0	0	11
4	CHAR	0	0	0	0	0	0	0
5	DHAURA	4	5	3	0	0	0	12
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	0	0	0	0	0	0	0
8	KASHI	14	1	1	0	0	0	16
9	HARIDA	12	4	3	0	0	0	19
10	BAHADA	6	0	0	0	0	0	6
11	MAHULA	0	2	5	0	1	0	8
12	HALANDA	0	7	7	0	0	0	14
13	MUNDI	0	0	0	0	0	0	0
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	2	3	0	0	0	5
17	BANDHAN	0	0	0	0	0	1	1
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	3	3	1	0	0	0	7
20	TEAK	0	2	8	0	0	0	10
21	TAMARIND	0	8	5	0	0	0	13
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	2	0	0	0	0	0	2
24	MISC.	119	13	9	4	1	1	147
	Total:	208	95	50	4	2	2	361

Forest Range: Polsara Comp. No.: 6 Method: 1% Systematic Strip Enum.
Forest Block: Khaladimal PRF Total Area (Ha.): 150.00 Grid Width in mtrs: 40
Period of Enum.: 0 Area of Enum. (Ha.): 0.00 Grid Length in mtrs: 0.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	2	1	0	1	0	0	4
2	MAI	23	39	32	12	3	0	109
3	ASAN	7	18	9	4	0	0	38
4	CHAR	0	0	0	0	0	0	0
5	DHAURA	0	8	6	0	8	3	25
6	KUSUM	2	6	0	0	6	3	17
7	KENDU	23	17	12	9	0	0	61
8	KASHI	13	8	2	0	0	0	23
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	17	13	17	2	0	0	49
12	HALANDA	19	0	0	13	2	1	35
13	MUNDI	31	0	0	0	0	0	31
14	BELA	17	0	4	0	0	0	21
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	13	12	0	0	0	0	25
17	BANDHAN	12	24	0	0	0	0	36
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	4	3	0	0	0	0	7
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	17	22	8	0	0	0	47
23	MANGO	0	0	0	0	0	0	0
24	MISC.	144	48	27	4	2	0	225
	Total:	344	219	117	45	21	7	753

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Sorada
Forest Block: Bandhagochha
RF

Comp. No.: 1
Total Area (Ha.) : 613.64
Area of Enum. (Ha.) : 6.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 1500.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	<180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	253	69	32	3	2	0	359
2	MAI	47	22	9	3	0	0	81
3	ASAN	34	17	8	6	3	0	68
4	CHAR	27	7	0	0	0	0	34
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	19	8	8	7	2	0	44
7	KENDU	27	18	11	5	6	0	67
8	KASHI	23	12	6	0	0	0	41
9	HARIDA	3	1	0	0	0	0	4
10	BAHADA	1	0	0	0	0	0	1
11	MAHULA	37	23	11	8	0	0	79
12	HALANDA	12	4	3	1	3	0	23
13	MUNDI	29	12	6	2	3	0	52
14	BELA	12	3	0	0	0	0	15
15	JAMUN	2	0	0	0	0	0	2
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	8	3	2	0	0	0	13
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	2	2
24	MISC.	153	104	57	29	7	1	351
	Total:	687	303	153	64	26	3	1236

Forest Range: Sorada
Forest Block: Bandhagochha
RF

Comp. No.: 2
Total Area (Ha.) : 693.69
Area of Enum. (Ha.) : 6.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 1500.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	<180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	253	69	32	3	2	0	359
2	MAI	47	22	9	3	0	0	81
3	ASAN	34	17	8	6	3	0	68
4	CHAR	27	7	0	0	0	0	34
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	19	8	8	7	2	0	44
7	KENDU	27	18	11	5	6	0	67
8	KASHI	23	12	6	0	0	0	41
9	HARIDA	3	1	0	0	0	0	4
10	BAHADA	1	0	0	0	0	0	1
11	MAHULA	37	23	11	8	0	0	79
12	HALANDA	12	4	3	1	3	0	23
13	MUNDI	29	12	6	2	3	0	52
14	BELA	12	3	0	0	0	0	15
15	JAMUN	2	0	0	0	0	0	2
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	8	3	2	0	0	0	13
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	2	2
24	MISC.	153	104	57	29	7	1	351
	Total:	687	303	153	64	26	3	1236

of Ghumsur South Division

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 500.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	<180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	162	83	42	21	22	18	348
2	MAI	39	12	3	1	0	0	55
3	ASAN	37	12	3	3	4	2	62
4	CHAR	29	13	3	2	0	0	47
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	17	8	2	1	2	0	30
7	KENDU	24	7	4	2	0	0	37
8	KASHI	12	2	0	0	0	0	14
9	HARIDA	8	4	3	0	0	0	15
10	BAHADA	2	0	0	0	0	0	2
11	MAHULA	9	4	0	3	0	0	16
12	HALANDA	17	8	4	2	4	1	36
13	MUNDI	17	6	4	3	1	0	31
14	BELA	13	0	0	0	0	0	13
15	JAMUN	12	4	3	1	0	0	20
16	AMLA	13	2	1	0	0	0	16
17	BANDHAN	12	8	2	1	0	0	23
18	PIASAL	7	1	0	0	0	0	8
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	2	1	3
24	MISC.	167	81	13	6	7	4	278
	Total:	597	255	87	46	42	26	1053

of Ghumsur South Division

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 250.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	<180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	43	4	0	0	0	0	47
2	MAI	22	8	3	1	0	0	34
3	ASAN	0	0	0	0	0	0	0
4	CHAR	29	0	0	0	0	0	29
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	17	0	0	0	0	0	17
8	KASHI	7	0	0	0	0	0	7
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	5	0	0	0	0	0	5
11	MAHULA	23	2	0	0	0	0	25
12	HALANDA	5	0	0	0	0	0	5
13	MUNDI	0	0	0	0	0	0	0
14	BELA	11	0	0	0	0	0	11
15	JAMUN	3	0	0	0	0	0	3
16	AMLA	7	0	0	0	0	0	7
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	3	0	0	0	0	0	3
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	7	0	0	0	0	0	7
24	MISC.	34	5	0	0	0	0	39
	Total:	216	19	3	1	0	0	239

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 500.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	<180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	28	5	0	1	0	0	34
3	ASAN	0	0	0	0	0	0	0
4	CHAR	17	1	0	0	0	0	18
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	19	0	0	0	0	0	19
8	KASHI	17	4	1	0	0	0	22
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	4	0	0	0	0	0	4
11	MAHULA	17	4	0	0	0	0	21
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	7	0	0	0	0	0	7
14	BELA	10	0	0	0	0	0	10
15	JAMUN	1	0	0	0	0	0	1
16	AMLA	9	0	0	0	0	0	9
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	4	0	0	0	0	0	4
19	SISOO	11	3	0	0	0	0	14
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	11	1	3	1	0	0	16
24	MISC.	30	4	1	0	0	0	35
	Total:	185	22	5	2	0	0	214

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Sorada
Forest Block: Hukuma RF
Period of Enum.: Dec. 2013

Comp. No.: 2
Total Area (Ha.) : 631.01
Area of Enum. (Ha.) : 1.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 250.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	<180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	17	8	0	3	0	0	28
3	ASAN	0	0	0	0	0	0	0
4	CHAR	7	0	0	0	0	0	7
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	10	1	0	0	0	0	11
8	KASHI	5	0	0	0	0	0	5
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	14	3	0	0	0	0	17
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	5	0	0	0	0	0	5
15	JAMUN	1	0	0	0	0	0	1
16	AMLA	2	0	0	0	0	0	2
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	17	0	0	0	0	0	17
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	4	0	0	0	0	0	4
24	MISC.	13	2	0	0	0	0	15
	Total:	95	14	0	3	0	0	112

Forest Range: Sorada
Forest Block: Hukuma RF
Period of Enum.: Dec. 2013

Comp. No.: 3
Total Area (Ha.) : 522.48
Area of Enum. (Ha.) : 1.50

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 375.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	<180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	23	8	3	1	0	0	35
3	ASAN	0	0	0	0	0	0	0
4	CHAR	22	1	0	0	0	0	23
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	18	0	0	0	0	0	18
8	KASHI	7	1	0	0	0	0	8
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	4	0	0	0	0	0	4
11	MAHULA	23	9	0	0	0	0	32
12	HALANDA	10	0	0	0	0	0	10
13	MUNDI	5	0	0	0	0	0	5
14	BELA	8	0	0	0	0	0	8
15	JAMUN	2	0	0	0	0	0	2
16	AMLA	6	0	0	0	0	0	6
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	28	4	0	0	0	0	32
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	6	1	0	0	0	0	7
24	MISC.	25	5	0	0	0	0	30
	Total:	187	29	3	1	0	0	220

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Sorada
Forest Block: Mundapita RF
Period of Enum.: Dec. 2013

Comp. No.: 1
Total Area (Ha.) : 627.36
Area of Enum. (Ha.) : 0.50

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 125.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	<180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	23	5	0	0	0	0	28
3	ASAN	0	0	0	0	0	0	0
4	CHAR	5	0	0	0	0	0	5
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	7	0	0	0	0	0	7
8	KASHI	3	0	0	0	0	0	3
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	14	0	0	0	0	0	14
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	6	0	0	0	0	0	6
14	BELA	8	0	0	0	0	0	8
15	JAMUN	2	0	0	0	0	0	2
16	AMLA	1	0	0	0	0	0	1
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	3	0	0	0	0	0	3
24	MISC.	22	0	0	0	0	0	22
	Total:	94	5	0	0	0	0	99

Forest Range: Sorada
Forest Block: Mundapita RF
Period of Enum.: Dec. 2013

Comp. No.: 2
Total Area (Ha.) : 553.98
Area of Enum. (Ha.) : 7.00

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 1750.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	<180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	158	52	5	0	0	0	215
2	MAI	112	26	2	0	0	0	140
3	ASAN	52	3	0	0	0	0	55
4	CHAR	63	5	0	0	0	0	68
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	19	1	0	0	0	0	20
7	KENDU	0	0	0	0	0	0	0
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	0	0	0	0	0	0	0
14	BELA	12	2	0	0	0	0	14
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	157	47	6	0	0	0	210
	Total:	573	136	13	0	0	0	722

of Ghumsur South Division

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 1000.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	<180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	103	16	3	0	0	0	122
2	MAI	37	10	2	0	0	0	49
3	ASAN	53	6	2	0	0	0	61
4	CHAR	38	10	1	0	0	0	49
5	DHAURA	16	5	0	0	0	0	21
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	0	0	0	0	0	0	0
8	KASHI	12	1	0	0	0	0	13
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	10	0	0	0	0	0	10
12	HALANDA	0	0	0	0	0	0	0
13	MUNDI	13	0	0	0	0	0	13
14	BELA	0	0	0	0	0	0	0
15	JAMUN	12	0	0	0	0	0	12
16	AMLA	0	0	0	0	0	0	0
17	BANDHAN	9	0	0	0	0	0	9
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	20	6	2	0	0	0	28
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	109	17	6	0	0	0	132
	Total:	432	71	16	0	0	0	519

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Sorada Comp. No.: 1 Method: 1% Systematic Strip Enum.
Forest Block: Pipalapanka RF Total Area (Ha.): 441.76 Grid Width in mtrs: 40
Period of Enum.: Dec. 2013 Area of Enum. (Ha.): 4.50 Grid Length in mtrs: 1125.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	<180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	89	53	38	13	7	0	200
2	MAI	18	7	4	1	0	0	30
3	ASAN	28	12	4	2	1	0	47
4	CHAR	24	14	6	0	0	0	44
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	8	1	0	0	0	0	9
7	KENDU	22	11	7	3	2	0	45
8	KASHI	4	3	3	0	1	0	11
9	HARIDA	9	4	4	2	1	0	20
10	BAHADA	7	4	2	0	0	0	13
11	MAHULA	8	7	0	0	0	0	15
12	HALANDA	4	3	2	1	1	0	11
13	MUNDI	7	4	2	3	2	0	18
14	BELA	13	6	3	2	0	0	24
15	JAMUN	7	4	1	2	0	0	14
16	AMLA	22	8	3	0	0	0	33
17	BANDHAN	8	3	0	0	0	0	11
18	PIASAL	3	1	0	0	0	0	4
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	2	4	6	3	2	0	17
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	2	1	3
24	MISC.	119	28	12	7	2	0	168
	Total:	402	177	97	39	21	1	737

Forest Range: Sorada Comp. No.: 2 Method: 1% Systematic Strip Enum.
Forest Block: Pipalapanka RF Total Area (Ha.): 553.13 Grid Width in mtrs: 40
Period of Enum.: Dec. 2013 Area of Enum. (Ha.): 5.50 Grid Length in mtrs: 1375.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	<180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	144	57	13	6	3	0	223
2	MAI	18	7	3	1	0	0	29
3	ASAN	22	7	3	1	0	0	33
4	CHAR	7	4	1	0	0	0	12
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	9	4	0	0	0	0	13
7	KENDU	8	4	2	2	1	0	17
8	KASHI	9	3	4	0	0	0	16
9	HARIDA	12	4	2	0	0	0	18
10	BAHADA	4	1	0	2	0	0	7
11	MAHULA	4	3	1	0	0	0	8
12	HALANDA	11	4	3	0	0	0	18
13	MUNDI	7	4	2	0	0	0	13
14	BELA	9	3	0	0	0	0	12
15	JAMUN	4	3	0	0	0	0	7
16	AMLA	8	3	1	0	0	0	12
17	BANDHAN	3	3	2	0	0	0	8
18	PIASAL	2	1	0	0	0	0	3
19	SISOO	3	1	0	0	0	0	4
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	4	2	2	1	1	0	10
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	2	0	2
24	MISC.	104	47	12	3	1	0	167
	Total:	392	165	51	16	8	0	632

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Sorada Comp. No.: 3 Method: 1% Systematic Strip Enum.
Forest Block: Pipalapanka RF Total Area (Ha.): 606.03 Grid Width in mtrs: 40
Period of Enum.: Dec. 2013 Area of Enum. (Ha.): 6.00 Grid Length in mtrs: 1500.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	<180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	109	53	23	12	3	2	202
2	MAI	29	12	6	3	2	0	52
3	ASAN	38	12	7	3	1	0	61
4	CHAR	13	4	1	0	0	0	18
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	7	2	1	0	0	0	10
7	KENDU	18	7	2	1	0	0	28
8	KASHI	4	3	1	0	0	0	8
9	HARIDA	7	3	1	0	0	0	11
10	BAHADA	9	4	2	0	0	0	15
11	MAHULA	7	3	3	1	1	0	15
12	HALANDA	2	1	0	0	0	0	3
13	MUNDI	3	2	1	1	0	0	7
14	BELA	4	0	0	0	0	0	4
15	JAMUN	9	4	3	1	0	0	17
16	AMLA	17	4	0	0	0	0	21
17	BANDHAN	12	4	1	0	0	0	17
18	PIASAL	3	1	0	0	0	0	4
19	SISOO	2	1	0	0	0	0	3
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	4	0	0	0	0	0	4
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	7	2	0	0	0	1	10
24	MISC.	87	29	9	4	2	1	132
	Total:	391	151	61	26	9	4	642

Forest Range: Sorada Comp. No.: 4 Method: 1% Systematic Strip Enum.
Forest Block: Pipalapanka RF Total Area (Ha.): 558.20 Grid Width in mtrs: 40
Period of Enum.: Dec. 2013 Area of Enum. (Ha.): 5.50 Grid Length in mtrs: 1375.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	<180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	207	93	18	3	3	0	324
2	MAI	27	8	8	3	0	0	46
3	ASAN	31	13	3	0	0	0	47
4	CHAR	18	3	1	0	0	0	22
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	3	2	4	2	0	1	12
7	KENDU	14	6	2	0	0	0	22
8	KASHI	6	4	1	0	0	0	11
9	HARIDA	8	4	2	0	0	0	14
10	BAHADA	2	0	1	0	0	0	3
11	MAHULA	16	6	0	2	0	0	24
12	HALANDA	4	0	0	0	0	0	4
13	MUNDI	4	2	2	2	0	0	10
14	BELA	2	0	0	0	0	0	2
15	JAMUN	23	7	2	0	0	0	32
16	AMLA	4	0	0	0	0	0	4
17	BANDHAN	17	6	4	1	1	0	29
18	PIASAL	6	2	0	0	0	0	8
19	SISOO	2	1	0	0	0	0	3
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	167	118	52	4	0	0	341
	Total:	561	275	100	17	4	1	958

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Sorada Comp. No.: 5 Method: 1% Systematic Strip Enum.
Forest Block: Pipalapanka RF Total Area (Ha.): 540.22 Grid Width in mtrs: 40
Period of Enum.: Dec. 2013 Area of Enum. (Ha.): 5.50 Grid Length in mtrs: 1375.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	<180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	87	34	13	4	0	0	138
2	MAI	4	7	4	0	0	0	15
3	ASAN	8	4	0	0	0	0	12
4	CHAR	9	1	0	0	0	0	10
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	4	3	1	1	0	0	9
7	KENDU	8	6	1	1	0	0	16
8	KASHI	4	2	0	0	0	0	6
9	HARIDA	0	1	0	0	0	0	1
10	BAHADA	1	0	0	0	0	0	1
11	MAHULA	22	12	0	1	1	0	36
12	HALANDA	2	1	0	0	0	0	3
13	MUNDI	4	2	0	0	0	0	6
14	BELA	2	3	0	0	0	0	5
15	JAMUN	3	2	1	0	0	0	6
16	AMLA	2	0	0	0	0	0	2
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	1	1	0	0	0	0	2
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	1	0	0	0	0	1
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	1	0	1
24	MISC.	107	63	37	13	3	1	224
	Total:	268	143	57	20	5	1	494

Forest Range: Sorada Comp. No.: 6 Method: 1% Systematic Strip Enum.
Forest Block: Pipalapanka RF Total Area (Ha.): 617.06 Grid Width in mtrs: 40
Period of Enum.: Dec. 2013 Area of Enum. (Ha.): 6.00 Grid Length in mtrs: 1500.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	<180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	187	104	72	17	0	0	380
2	MAI	19	19	7	2	0	0	47
3	ASAN	22	12	4	0	0	0	38
4	CHAR	17	7	0	0	0	0	24
5	DHAURA	0	0	0	0	0	0	0
6	KUSUM	7	4	0	0	0	0	11
7	KENDU	17	9	3	0	0	0	29
8	KASHI	12	6	4	0	0	0	22
9	HARIDA	13	4	0	0	0	0	17
10	BAHADA	7	4	0	0	0	0	11
11	MAHULA	12	6	0	0	0	0	18
12	HALANDA	7	4	0	0	0	0	11
13	MUNDI	9	4	2	0	0	0	15
14	BELA	4	1	0	0	0	0	5
15	JAMUN	8	4	0	0	0	0	12
16	AMLA	18	3	0	0	0	0	21
17	BANDHAN	12	9	0	0	0	0	21
18	PIASAL	4	2	0	0	0	0	6
19	SISOO	3	1	0	0	0	0	4
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	1	1
24	MISC.	192	103	78	27	3	0	403
	Total:	570	306	170	46	3	1	1096

of Ghumsur South Division

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 500.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	<180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	53	32	27	12	4	0	128
2	MAI	17	11	4	0	0	0	32
3	ASAN	7	0	0	0	0	0	7
4	CHAR	13	9	0	0	0	0	22
5	DHAURA	11	4	1	0	0	0	16
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	12	7	0	0	0	0	19
8	KASHI	7	2	0	0	0	0	9
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	3	0	0	0	0	0	3
12	HALANDA	7	2	0	0	0	0	9
13	MUNDI	12	3	2	1	0	0	18
14	BELA	0	0	0	0	0	0	0
15	JAMUN	7	6	0	1	0	0	14
16	AMLA	3	1	0	0	0	0	4
17	BANDHAN	0	0	0	0	0	0	0
18	PIASAL	3	0	1	0	0	0	4
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	8	7	1	0	0	0	16
23	MANGO	0	0	0	0	0	0	0
24	MISC.	88	13	6	2	1	0	110
	Total:	251	97	42	16	5	0	411

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Sorada
Forest Block: Pondakhhol RF
Period of Enum.: Nov. 2013

Comp. No.: 27b
Total Area (Ha.) : 245.62
Area of Enum. (Ha.) : 2.44

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 610.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	<180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	152	36	17	11	2	0	218
2	MAI	37	22	4	1	0	0	64
3	ASAN	40	21	11	0	0	0	72
4	CHAR	62	18	3	0	0	0	83
5	DHAURA	29	16	3	0	0	0	48
6	KUSUM	19	16	1	0	0	0	36
7	KENDU	17	13	2	0	0	0	32
8	KASHI	11	3	1	0	0	0	15
9	HARIDA	2	1	0	0	0	0	3
10	BAHADA	6	3	0	0	0	0	9
11	MAHULA	21	1	2	1	0	0	25
12	HALANDA	46	18	1	0	0	0	65
13	MUNDI	17	16	0	0	0	0	33
14	BELA	2	1	0	0	0	0	3
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	4	1	0	0	0	0	5
17	BANDHAN	42	8	4	0	0	0	54
18	PIASAL	2	0	0	0	0	0	2
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	26	12	0	0	0	0	38
23	MANGO	0	0	0	0	0	0	0
24	MISC.	62	92	28	13	2	0	197
	Total:	597	298	77	26	4	0	1002

Forest Range: Sorada
Forest Block: Pondakhol RF
Period of Enum.: Nov. 2013

Comp. No.: 29b
Total Area (Ha.) : 198.50
Area of Enum. (Ha.) : 1.99

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 497.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	<180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	113	77	19	0	0	0	209
2	MAI	28	27	2	0	0	0	57
3	ASAN	54	33	12	0	0	0	99
4	CHAR	54	3	0	0	0	0	57
5	DHAURA	63	58	18	19	0	0	158
6	KUSUM	19	17	0	0	0	0	36
7	KENDU	28	18	0	0	0	0	46
8	KASHI	13	9	0	0	0	0	22
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	0	0	0	0	0	0	0
12	HALANDA	39	28	17	0	0	0	84
13	MUNDI	0	0	0	0	0	0	0
14	BELA	3	0	0	0	0	0	3
15	JAMUN	3	2	0	0	0	0	5
16	AMLA	4	2	0	0	0	0	6
17	BANDHAN	64	43	22	0	0	0	129
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	0	0	0	0	0	0	0
23	MANGO	0	0	0	0	0	0	0
24	MISC.	249	94	54	14	0	0	411
	Total:	734	411	144	33	0	0	1322

of Ghumsur South Division

Method: 1% Systematic Strip Enum.
Grid Width in mtrs: 40
Grid Length in mtrs: 750.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	<180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	174	89	32	8	8	0	311
2	MAI	109	61	23	9	0	0	202
3	ASAN	84	28	22	0	0	0	134
4	CHAR	147	62	4	0	0	0	213
5	DHAURA	33	18	27	19	7	1	105
6	KUSUM	34	13	7	2	0	0	56
7	KENDU	9	5	2	2	1	0	19
8	KASHI	63	23	0	1	1	0	88
9	HARIDA	9	11	2	1	0	0	23
10	BAHADA	6	6	0	0	0	0	12
11	MAHULA	29	21	0	2	0	0	52
12	HALANDA	21	13	0	0	0	0	34
13	MUNDI	29	13	3	0	0	0	45
14	BELA	16	21	1	0	0	0	38
15	JAMUN	8	1	0	0	0	0	9
16	AMLA	8	3	0	0	0	0	11
17	BANDHAN	13	9	2	1	0	0	25
18	PIASAL	6	1	0	0	0	0	7
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	22	8	0	1	0	0	31
23	MANGO	0	0	0	0	0	0	0
24	MISC.	499	248	63	12	4	0	826
	Total:	1319	654	188	58	21	1	2241

Enumeration result of Compartments of different Forest Blocks (RWC)
of Ghumsur South Division

Forest Range: Sorada	Comp. No.: 2b	Method: 1% Systematic Strip Enum.
Forest Block: Dhaugam RF	Total Area (Ha.): 203.04	Grid Width in mtrs: 40
Period of Enum.: Dec. 2013	Area of Enum. (Ha.): 6.00	Grid Length in mtrs: 1500.00

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	<180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	38	23	14	9	2	6	92
2	MAI	19	16	6	2	1	0	44
3	ASAN	31	8	4	5	2	0	50
4	CHAR	37	23	1	0	0	0	61
5	DHAURA	33	18	6	0	0	0	57
6	KUSUM	32	12	3	2	0	0	49
7	KENDU	27	12	3	2	0	0	44
8	KASHI	14	8	2	0	1	1	26
9	HARIDA	9	1	0	0	0	0	10
10	BAHADA	12	0	0	0	0	0	12
11	MAHULA	19	0	0	0	1	0	20
12	HALANDA	11	6	1	0	0	0	18
13	MUNDI	18	4	0	0	0	0	22
14	BELA	14	1	0	0	0	0	15
15	JAMUN	12	7	1	0	0	0	20
16	AMLA	3	1	0	0	0	0	4
17	BANDHAN	12	4	0	0	0	0	16
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	6	0	2	0	0	0	8
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	18	11	0	0	0	0	29
23	MANGO	0	0	0	0	0	0	0
24	MISC.	383	109	29	2	2	1	526
	Total:	748	264	72	22	9	8	1123

APPENDIX -- XV(A)

Sample Point Enumeration result (per Ha.) of Sorada Range of Ghumsur South Division

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Forest Range: SORADA

No of Points: 25

Method: Sample Point

Forest Block: Pandakhhol RF

Comp. No.: 1

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	62.00	28.00	14.40	4.80	0.40	1.60	111.20
2	MAI	12.40	4.80	0.80	0.80	0.00	0.00	18.80
3	ASAN	4.80	4.40	1.60	0.00	0.00	0.00	10.80
4	CHAR	24.00	2.40	2.00	0.40	0.00	0.00	28.80
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	6.00	3.60	2.80	0.40	0.00	0.00	12.80
7	KENDU	9.20	0.00	0.00	0.00	0.00	0.00	9.20
8	KASHI	5.60	3.60	1.20	0.40	0.00	0.00	10.80
9	HARIDA	0.00	2.00	0.80	0.00	0.00	0.00	2.80
10	BAHADA	1.20	0.80	0.00	0.00	0.00	0.00	2.00
11	MAHULA	5.60	7.20	1.60	0.00	0.00	0.00	14.40
12	HALANDA	6.40	4.40	3.60	0.40	0.00	0.00	14.80
13	MUNDI	1.20	2.80	0.80	0.00	0.00	0.00	4.80
14	BELA	1.20	0.00	0.00	0.00	0.00	0.00	1.20
15	JAMUN	2.80	3.60	1.20	0.00	0.00	0.00	7.60
16	AMLA	2.40	2.00	0.40	0.40	0.00	0.00	5.20
17	BANDHAN	6.80	3.60	0.80	0.00	0.00	0.00	11.20
18	PIASAL	0.40	5.60	0.40	0.00	0.00	0.00	6.40
19	SISOO	1.20	0.00	0.00	0.00	0.00	0.00	1.20
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.80	0.00	0.00	1.20	0.00	0.00	2.00
22	MISC.	126.80	44.40	15.60	6.40	3.20	0.80	197.20
	Total:	280.80	123.20	48.00	15.20	3.60	2.40	473.20

Forest Range: SORADA

No of Points: 17

Method: Sample Point

Forest Block: Pandakhhol RF

Comp. No.: 2

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	60.59	14.12	10.59	2.94	0.00	0.00	88.24
2	MAI	20.00	7.06	0.59	0.00	0.00	0.00	27.65
3	ASAN	11.76	13.53	2.35	0.00	0.00	0.00	27.65
4	CHAR	18.24	2.94	0.59	0.00	0.00	0.00	21.76
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	7.65	7.06	1.76	0.00	0.00	0.00	16.47
7	KENDU	14.71	11.18	1.76	0.00	0.00	0.00	27.65
8	KASHI	3.53	3.53	0.00	0.00	0.00	0.00	7.06
9	HARIDA	1.76	1.76	0.59	0.59	0.00	0.00	4.71
10	BAHADA	1.76	1.76	0.00	0.00	0.00	0.00	3.53
11	MAHULA	5.88	5.88	1.76	0.00	0.00	0.00	13.53
12	HALANDA	8.24	1.76	1.76	0.00	0.00	0.00	11.76
13	MUNDI	0.59	1.18	0.59	0.00	0.00	0.00	2.35
14	BELA	2.35	0.00	0.00	0.00	0.00	0.00	2.35
15	JAMUN	5.88	2.35	0.59	0.00	0.00	0.00	8.82
16	AMLA	5.88	0.00	0.00	0.00	0.00	0.00	5.88
17	BANDHAN	6.47	4.12	0.00	0.00	0.00	0.00	10.59
18	PIASAL	3.53	2.35	0.00	0.00	0.00	0.00	5.88
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	1.18	1.18	0.00	0.00	0.00	2.35
22	MISC.	110.59	48.82	21.18	8.24	0.00	0.00	188.82
	Total:	289.41	130.59	45.29	11.76	0.00	0.00	477.06

**Sample Point Enumeration result (per Ha.) of Sorada Range
of Ghumsur South Division**

10

Forest Range: SORADA
Forest Block: Pandakhhol RF

No of Points: 22
Comp. No.: 3

Method: Sample Point
Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	5.91	0.91	0.45	0.91	0.00	0.00	8.18
2	MAI	21.82	10.45	3.64	4.55	0.91	0.00	41.36
3	ASAN	15.00	10.45	5.91	1.82	0.00	0.00	33.18
4	CHAR	26.36	10.91	1.36	0.00	0.00	0.00	38.64
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	12.73	8.18	3.64	0.00	0.00	0.00	24.55
7	KENDU	10.91	2.73	0.45	0.00	0.00	0.00	14.09
8	KASHI	7.73	6.36	1.36	0.00	0.00	0.00	15.45
9	HARIDA	0.00	4.55	0.00	0.00	0.00	0.00	4.55
10	BAHADA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	MAHULA	11.82	4.55	6.82	1.36	0.00	0.00	24.55
12	HALANDA	9.55	10.00	4.55	0.00	0.00	0.00	24.09
13	MUNDI	1.36	4.09	1.36	0.00	0.00	0.00	6.82
14	BELA	4.55	0.91	0.00	0.00	0.00	0.00	5.45
15	JAMUN	5.91	4.55	0.00	0.00	0.00	0.00	10.45
16	AMLA	5.91	1.36	0.00	0.00	0.00	0.00	7.27
17	BANDHAN	2.73	3.64	0.45	0.00	0.00	0.00	6.82
18	PIASAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	SISOO	2.27	1.82	0.00	0.00	0.00	0.00	4.09
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.45	0.00	0.00	0.00	0.00	0.45
22	MISC.	93.64	55.45	22.73	7.73	3.18	0.00	182.73
	Total:	238.18	141.36	52.73	16.36	4.09	0.00	452.73

Forest Range: SORADA
Forest Block: Pandakhhol RF

No of Points: 10
Comp. No.: 4

Method: Sample Point
Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	45.00	24.00	12.00	2.00	1.00	0.00	84.00
2	MAI	12.00	9.00	0.00	1.00	0.00	0.00	22.00
3	ASAN	6.00	5.00	3.00	0.00	0.00	0.00	14.00
4	CHAR	19.00	2.00	1.00	0.00	0.00	0.00	22.00
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	7.00	2.00	1.00	0.00	0.00	0.00	10.00
7	KENDU	14.00	3.00	0.00	0.00	0.00	0.00	17.00
8	KASHI	0.00	7.00	0.00	0.00	0.00	0.00	7.00
9	HARIDA	0.00	2.00	0.00	0.00	0.00	0.00	2.00
10	BAHADA	2.00	0.00	0.00	0.00	0.00	0.00	2.00
11	MAHULA	16.00	3.00	6.00	0.00	0.00	0.00	25.00
12	HALANDA	3.00	0.00	0.00	0.00	0.00	0.00	3.00
13	MUNDI	10.00	0.00	1.00	0.00	0.00	0.00	11.00
14	BELA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	JAMUN	9.00	2.00	0.00	0.00	0.00	0.00	11.00
16	AMLA	5.00	0.00	0.00	0.00	0.00	0.00	5.00
17	BANDHAN	0.00	2.00	1.00	0.00	0.00	0.00	3.00
18	PIASAL	2.00	7.00	0.00	0.00	0.00	0.00	9.00
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	124.00	46.00	20.00	15.00	0.00	4.00	209.00
	Total:	274.00	114.00	45.00	18.00	1.00	4.00	456.00

**Sample Point Enumeration result (per Ha.) of Sorada Range
of Ghumsur South Division**

10

Forest Range: SORADA

No of Points: 23

Method: Sample Point

Forest Block: Pandakhhol RF

Comp. No.: 5[a]

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	48.26	24.35	6.96	0.87	1.30	0.87	82.61
2	MAI	34.78	18.70	8.26	0.00	0.00	0.00	61.74
3	ASAN	15.65	8.26	3.91	0.87	0.00	0.00	28.70
4	CHAR	22.61	0.00	0.87	0.00	0.00	0.00	23.48
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	7.39	13.48	3.48	0.87	0.00	0.00	25.22
7	KENDU	14.78	2.61	2.17	0.00	0.00	0.00	19.57
8	KASHI	9.57	4.78	0.00	0.00	0.00	0.00	14.35
9	HARIDA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	BAHADA	1.30	0.43	0.00	0.00	0.00	0.00	1.74
11	MAHULA	1.74	0.00	0.87	0.00	0.00	0.00	2.61
12	HALANDA	10.00	4.35	0.87	0.00	0.00	0.00	15.22
13	MUNDI	0.43	2.17	0.87	0.00	0.00	0.00	3.48
14	BELA	1.30	0.00	0.00	0.00	0.00	0.00	1.30
15	JAMUN	2.61	0.00	0.43	0.00	0.00	0.00	3.04
16	AMLA	1.30	0.00	0.00	0.00	0.00	0.00	1.30
17	BANDHAN	12.61	7.39	1.30	0.00	0.00	0.00	21.30
18	PIASAL	0.00	0.43	0.00	0.00	0.00	0.00	0.43
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.43	0.43	0.00	0.00	0.00	0.00	0.87
22	MISC.	116.52	43.04	12.61	1.30	1.30	1.30	176.09
	Total:	301.30	130.43	42.61	3.91	2.61	2.17	483.04

Forest Range: SORADA

No of Points: 2

Method: Sample Point

Forest Block: Pandakhhol RF

Comp. No.: 5[b]

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	200.00	65.00	80.00	30.00	15.00	0.00	390.00
2	MAI	5.00	5.00	10.00	0.00	0.00	0.00	20.00
3	ASAN	25.00	5.00	0.00	0.00	0.00	0.00	30.00
4	CHAR	45.00	10.00	0.00	0.00	0.00	0.00	55.00
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	KENDU	15.00	5.00	0.00	0.00	0.00	0.00	20.00
8	KASHI	5.00	0.00	0.00	0.00	0.00	0.00	5.00
9	HARIDA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	BAHADA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	MAHULA	20.00	5.00	0.00	0.00	0.00	0.00	25.00
12	HALANDA	15.00	0.00	0.00	0.00	0.00	0.00	15.00
13	MUNDI	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	BELA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	JAMUN	15.00	15.00	0.00	0.00	0.00	0.00	30.00
16	AMLA	5.00	0.00	0.00	0.00	0.00	0.00	5.00
17	BANDHAN	10.00	5.00	0.00	0.00	0.00	0.00	15.00
18	PIASAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	5.00	0.00	0.00	0.00	5.00
22	MISC.	65.00	0.00	0.00	0.00	0.00	0.00	65.00
	Total:	425.00	115.00	95.00	30.00	15.00	0.00	680.00

**Sample Point Enumeration result (per Ha.) of Sorada Range
of Ghumsur South Division**

10

Forest Range: SORADA
Forest Block: Pandakhhol RF

No of Points: 19
Comp. No.: 6

Method: Sample Point
Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	42.63	15.79	5.26	2.63	0.00	0.00	66.32
2	MAI	31.58	12.11	5.26	0.00	1.05	0.00	50.00
3	ASAN	12.63	12.11	2.63	3.16	0.00	0.00	30.53
4	CHAR	16.84	1.58	0.00	0.00	0.00	0.00	18.42
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	8.42	6.32	1.58	0.00	1.05	0.00	17.37
7	KENDU	10.00	6.84	2.63	0.00	0.00	0.00	19.47
8	KASHI	5.26	4.21	0.53	0.00	0.00	0.00	10.00
9	HARIDA	1.58	2.63	0.00	0.00	0.00	0.00	4.21
10	BAHADA	3.16	0.00	0.00	0.00	0.00	0.00	3.16
11	MAHULA	4.74	4.21	0.53	0.00	0.00	0.00	9.47
12	HALANDA	6.84	4.21	0.00	1.05	0.00	0.00	12.11
13	MUNDI	3.68	2.11	0.53	0.00	0.00	0.00	6.32
14	BELA	3.16	1.58	0.00	0.00	0.00	0.00	4.74
15	JAMUN	2.63	1.05	0.00	0.00	0.00	0.00	3.68
16	AMLA	6.32	3.16	0.53	0.00	0.00	0.00	10.00
17	BANDHAN	6.32	2.11	0.00	0.00	0.00	0.00	8.42
18	PIASAL	10.53	0.53	0.53	0.00	0.00	0.00	11.58
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	1.05	1.05	0.00	0.00	0.00	0.00	2.11
22	MISC.	101.58	41.58	12.63	3.68	0.00	1.05	160.53
	Total:	278.95	123.16	32.63	10.53	2.11	1.05	448.42

Forest Range: SORADA
Forest Block: Pandakhhol RF

No of Points: 15
Comp. No.: 7

Method: Sample Point
Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	32.00	16.00	4.00	0.00	0.00	0.00	52.00
2	MAI	22.67	7.33	8.00	0.00	0.00	0.00	38.00
3	ASAN	6.00	10.67	4.00	0.00	0.00	0.00	20.67
4	CHAR	24.00	6.00	2.00	0.00	0.00	0.00	32.00
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	10.00	14.00	0.00	0.00	0.00	0.00	24.00
7	KENDU	10.00	0.00	0.00	0.00	0.00	0.00	10.00
8	KASHI	2.00	4.00	0.00	0.00	0.00	0.00	6.00
9	HARIDA	2.00	2.00	0.00	0.00	0.00	0.00	4.00
10	BAHADA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	MAHULA	8.00	6.00	2.00	0.00	0.00	0.00	16.00
12	HALANDA	6.00	4.67	0.00	2.00	0.00	0.00	12.67
13	MUNDI	10.00	0.00	0.00	0.00	0.00	0.00	10.00
14	BELA	2.00	0.00	0.00	0.00	0.00	0.00	2.00
15	JAMUN	2.00	4.00	0.00	0.00	0.00	0.00	6.00
16	AMLA	6.00	2.00	0.00	0.00	0.00	0.00	8.00
17	BANDHAN	10.00	0.00	0.00	0.00	0.00	0.00	10.00
18	PIASAL	4.00	0.00	0.00	0.00	0.00	0.00	4.00
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	104.67	40.00	16.00	6.00	2.00	0.00	168.67
	Total:	261.33	116.67	36.00	8.00	2.00	0.00	424.00

**Sample Point Enumeration result (per Ha.) of Sorada Range
of Ghumsur South Division**

10

Forest Range: SORADA

No of Points: 11

Method: Sample Point

Forest Block: Pandakhhol RF

Comp. No.: 8

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	46.36	18.18	9.09	0.00	0.00	0.00	73.64
2	MAI	14.55	3.64	1.82	0.00	0.00	0.00	20.00
3	ASAN	3.64	9.09	7.27	0.00	0.00	0.00	20.00
4	CHAR	19.09	3.64	1.82	0.00	0.00	0.00	24.55
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	5.45	1.82	0.91	0.00	0.00	0.00	8.18
7	KENDU	6.36	1.82	0.00	0.00	0.00	0.00	8.18
8	KASHI	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	HARIDA	1.82	2.73	0.00	0.00	0.00	0.00	4.55
10	BAHADA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	MAHULA	4.55	4.55	0.00	0.00	0.00	0.00	9.09
12	HALANDA	1.82	2.73	1.82	0.00	0.00	0.00	6.36
13	MUNDI	10.00	0.00	0.91	0.00	0.00	0.00	10.91
14	BELA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	JAMUN	0.00	2.73	0.00	0.00	0.00	0.00	2.73
16	AMLA	10.00	0.00	0.00	0.00	0.00	0.00	10.00
17	BANDHAN	2.73	0.00	1.82	0.00	0.00	0.00	4.55
18	PIASAL	0.00	0.91	0.91	0.00	0.00	0.00	1.82
19	SISOO	2.73	0.00	0.00	0.00	0.00	0.00	2.73
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	94.55	40.91	12.73	4.55	5.45	0.00	158.18
	Total:	223.64	92.73	39.09	4.55	5.45	0.00	365.45

Forest Range: SORADA

No of Points: 19

Method: Sample Point

Forest Block: Pandakhhol RF

Comp. No.: 9

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	37.89	14.21	13.16	0.53	0.00	0.00	65.79
2	MAI	14.21	10.00	0.00	1.58	0.00	0.00	25.79
3	ASAN	22.11	10.00	0.00	1.58	0.00	0.00	33.68
4	CHAR	15.79	1.05	0.00	0.00	0.00	0.00	16.84
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	1.58	6.32	0.53	0.00	0.00	0.00	8.42
7	KENDU	11.58	4.74	0.53	0.00	0.00	0.00	16.84
8	KASHI	7.37	6.84	0.00	0.00	0.00	0.00	14.21
9	HARIDA	1.58	3.16	0.53	0.00	0.00	0.00	5.26
10	BAHADA	3.16	0.00	0.00	0.00	0.00	0.00	3.16
11	MAHULA	2.63	2.11	0.00	0.00	0.00	0.00	4.74
12	HALANDA	5.26	2.11	0.00	0.00	0.00	0.00	7.37
13	MUNDI	5.79	0.00	1.58	0.00	0.00	0.00	7.37
14	BELA	1.58	0.00	0.00	0.00	0.00	0.00	1.58
15	JAMUN	1.58	0.00	0.00	0.00	0.00	0.00	1.58
16	AMLA	6.84	0.00	0.00	0.00	0.00	0.00	6.84
17	BANDHAN	8.42	0.00	0.00	0.00	0.00	0.00	8.42
18	PIASAL	0.00	8.95	0.00	0.00	0.00	0.00	8.95
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	114.21	44.21	13.16	3.16	1.58	0.00	176.32
	Total:	261.58	113.68	29.47	6.84	1.58	0.00	413.16

**Sample Point Enumeration result (per Ha.) of Sorada Range
of Ghumsur South Division**

10

Forest Range: SORADA

No of Points: 10

Method: Sample Point

Forest Block: Pandakhhol RF

Comp. No.: 10

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	34.00	18.00	7.00	0.00	0.00	0.00	59.00
2	MAI	30.00	7.00	3.00	0.00	0.00	0.00	40.00
3	ASAN	2.00	9.00	3.00	3.00	0.00	0.00	17.00
4	CHAR	6.00	6.00	0.00	0.00	0.00	0.00	12.00
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	6.00	2.00	2.00	0.00	0.00	0.00	10.00
7	KENDU	4.00	7.00	0.00	0.00	0.00	0.00	11.00
8	KASHI	6.00	9.00	3.00	0.00	0.00	0.00	18.00
9	HARIDA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	BAHADA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	MAHULA	6.00	0.00	0.00	3.00	0.00	0.00	9.00
12	HALANDA	3.00	0.00	0.00	0.00	0.00	0.00	3.00
13	MUNDI	6.00	0.00	0.00	0.00	0.00	0.00	6.00
14	BELA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	JAMUN	7.00	1.00	0.00	0.00	0.00	0.00	8.00
16	AMLA	7.00	3.00	2.00	0.00	0.00	0.00	12.00
17	BANDHAN	3.00	4.00	1.00	0.00	0.00	0.00	8.00
18	PIASAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	3.00	0.00	0.00	0.00	0.00	3.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	105.00	47.00	10.00	6.00	4.00	0.00	172.00
	Total:	225.00	116.00	31.00	12.00	4.00	0.00	388.00

Forest Range: SORADA

No of Points: 20

Method: Sample Point

Forest Block: Pandakhhol RF

Comp. No.: 11

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	37.50	23.00	23.00	13.50	0.00	0.00	97.00
2	MAI	34.00	10.00	4.00	1.00	0.00	0.00	49.00
3	ASAN	15.00	13.00	11.00	2.00	0.00	0.00	41.00
4	CHAR	25.00	6.00	0.00	0.00	0.00	0.00	31.00
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	4.00	15.00	0.50	0.00	0.00	0.00	19.50
7	KENDU	21.50	8.00	0.00	0.00	0.00	0.00	29.50
8	KASHI	9.00	5.50	0.00	0.00	0.00	0.00	14.50
9	HARIDA	1.00	0.00	0.00	0.00	0.00	0.00	1.00
10	BAHADA	2.50	0.00	0.00	0.00	0.00	0.00	2.50
11	MAHULA	4.00	2.00	0.00	0.00	0.00	0.00	6.00
12	HALANDA	10.00	1.00	2.50	0.00	0.00	0.00	13.50
13	MUNDI	4.00	1.00	0.00	0.00	0.00	0.00	5.00
14	BELA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	JAMUN	6.00	2.50	0.00	0.00	0.00	0.00	8.50
16	AMLA	6.00	3.00	0.00	0.00	0.00	0.00	9.00
17	BANDHAN	7.00	2.50	0.00	0.00	0.00	0.00	9.50
18	PIASAL	5.50	1.00	0.00	0.00	0.00	0.00	6.50
19	SISOO	2.00	0.00	0.00	0.00	0.00	0.00	2.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	117.50	55.00	20.00	6.00	3.00	0.00	201.50
	Total:	311.50	148.50	61.00	22.50	3.00	0.00	546.50

**Sample Point Enumeration result (per Ha.) of Sorada Range
of Ghumsur South Division**

10

Forest Range: SORADA
Forest Block: Pandakhhol RF

No of Points: 11
Comp. No.: 12

Method: Sample Point
Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	26.36	20.00	13.64	0.00	0.00	0.00	60.00
2	MAI	34.55	16.36	10.00	1.82	0.00	0.00	62.73
3	ASAN	20.00	24.55	10.00	0.00	0.00	0.00	54.55
4	CHAR	10.00	18.18	0.00	0.00	0.00	0.00	28.18
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	22.73	18.18	6.36	1.82	0.00	0.00	49.09
7	KENDU	8.18	1.82	0.00	0.00	0.00	0.00	10.00
8	KASHI	3.64	1.82	0.00	0.00	0.00	0.00	5.45
9	HARIDA	6.36	6.36	0.00	0.00	0.00	0.00	12.73
10	BAHADA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	MAHULA	24.55	16.36	11.82	6.36	0.00	0.00	59.09
12	HALANDA	10.00	0.00	0.00	0.00	0.00	0.00	10.00
13	MUNDI	10.00	5.45	0.00	0.00	0.00	0.00	15.45
14	BELA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	JAMUN	3.64	1.82	0.00	0.00	0.00	0.00	5.45
16	AMLA	16.36	12.73	0.00	0.00	0.00	0.00	29.09
17	BANDHAN	5.45	7.27	1.82	0.00	0.00	0.00	14.55
18	PIASAL	8.18	0.00	0.00	0.00	0.00	0.00	8.18
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	6.36	0.00	0.00	0.00	0.00	6.36
21	MANGO	1.82	0.00	0.00	0.00	0.00	0.00	1.82
22	MISC.	40.91	30.00	21.82	1.82	0.00	0.00	94.55
	Total:	252.73	187.27	75.45	11.82	0.00	0.00	527.27

Forest Range: SORADA
Forest Block: Pandakhhol RF

No of Points: 30
Comp. No.: 13

Method: Sample Point
Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	66.67	22.67	11.67	1.67	0.00	0.00	102.67
2	MAI	13.67	4.00	2.00	0.00	0.00	0.00	19.67
3	ASAN	18.33	7.33	1.33	0.00	0.00	0.00	27.00
4	CHAR	17.33	5.67	1.00	0.00	0.00	0.00	24.00
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	8.33	4.00	1.33	0.00	0.00	0.00	13.67
7	KENDU	18.00	4.00	2.67	0.00	0.00	0.00	24.67
8	KASHI	5.67	1.33	0.00	0.00	0.00	0.00	7.00
9	HARIDA	1.67	3.67	0.00	0.00	0.00	0.00	5.33
10	BAHADA	1.67	0.00	0.00	0.00	0.00	0.00	1.67
11	MAHULA	11.00	2.67	1.33	0.00	0.00	0.00	15.00
12	HALANDA	8.33	1.00	1.67	0.00	1.00	0.00	12.00
13	MUNDI	3.33	0.67	0.00	0.00	0.00	0.00	4.00
14	BELA	3.00	3.00	0.00	0.00	0.00	0.00	6.00
15	JAMUN	15.00	6.67	2.00	0.67	0.00	0.00	24.33
16	AMLA	5.33	0.00	0.00	0.00	0.00	0.00	5.33
17	BANDHAN	5.67	7.00	2.00	0.00	0.00	0.00	14.67
18	PIASAL	1.33	3.67	0.00	0.00	0.00	0.00	5.00
19	SISOO	1.67	0.00	0.00	0.00	0.00	0.00	1.67
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	92.67	41.33	18.33	5.00	0.00	1.00	158.33
	Total:	298.67	118.67	45.33	7.33	1.00	1.00	472.00

**Sample Point Enumeration result (per Ha.) of Sorada Range
of Ghumsur South Division**

10

Forest Range: SORADA
Forest Block: Pandakhhol RF

No of Points: 31
Comp. No.: 14

Method: Sample Point
Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	65.81	23.87	10.00	1.61	0.00	0.00	101.29
2	MAI	13.87	3.87	1.94	0.00	0.00	0.00	19.68
3	ASAN	16.45	6.45	1.29	0.00	0.00	0.00	24.19
4	CHAR	14.52	4.84	0.97	0.00	0.00	0.00	20.32
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	7.10	3.23	0.65	0.00	0.00	0.00	10.97
7	KENDU	15.81	3.23	2.90	0.00	0.00	0.00	21.94
8	KASHI	5.48	1.29	0.32	0.00	0.00	0.00	7.10
9	HARIDA	1.94	3.55	0.00	0.00	0.00	0.00	5.48
10	BAHADA	1.61	0.00	0.00	0.00	0.00	0.00	1.61
11	MAHULA	10.32	2.26	1.29	0.00	0.00	0.00	13.87
12	HALANDA	7.74	1.29	1.61	0.00	0.97	0.00	11.61
13	MUNDI	3.23	0.65	0.00	0.00	0.00	0.00	3.87
14	BELA	1.94	2.90	0.00	0.00	0.00	0.00	4.84
15	JAMUN	10.97	6.45	1.61	0.97	0.00	0.00	20.00
16	AMLA	5.16	0.00	0.00	0.00	0.00	0.00	5.16
17	BANDHAN	3.55	6.45	1.94	0.00	0.00	0.00	11.94
18	PIASAL	1.29	3.55	0.32	0.00	0.00	0.00	5.16
19	SISOO	1.61	0.00	0.00	0.00	0.00	0.00	1.61
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	88.71	39.68	18.39	4.19	0.00	0.97	151.94
	Total:	277.10	113.55	43.23	6.77	0.97	0.97	442.58

Forest Range: SORADA
Forest Block: Pandakhhol RF

No of Points: 21
Comp. No.: 15

Method: Sample Point
Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	42.86	15.71	5.71	2.86	0.00	0.00	67.14
2	MAI	30.95	11.43	5.24	0.00	0.95	0.00	48.57
3	ASAN	12.38	12.38	2.86	3.33	0.00	0.00	30.95
4	CHAR	16.67	1.90	0.00	0.00	0.00	0.00	18.57
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	9.52	6.67	1.43	0.00	0.95	0.00	18.57
7	KENDU	10.48	7.14	2.38	0.00	0.00	0.00	20.00
8	KASHI	5.24	4.76	0.48	0.00	0.00	0.00	10.48
9	HARIDA	1.43	2.86	0.00	0.00	0.00	0.00	4.29
10	BAHADA	3.81	0.00	0.00	0.00	0.00	0.00	3.81
11	MAHULA	4.29	3.81	0.95	0.00	0.00	0.00	9.05
12	HALANDA	7.14	4.29	0.00	0.95	0.00	0.00	12.38
13	MUNDI	4.29	1.90	0.48	0.00	0.00	0.00	6.67
14	BELA	3.33	1.90	0.00	0.00	0.00	0.00	5.24
15	JAMUN	2.86	0.95	0.00	0.00	0.00	0.00	3.81
16	AMLA	5.71	2.86	0.48	0.00	0.00	0.00	9.05
17	BANDHAN	5.71	1.90	0.00	0.00	0.00	0.00	7.62
18	PIASAL	10.48	0.95	0.48	0.00	0.00	0.00	11.90
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.95	0.95	0.00	0.00	0.00	0.00	1.90
22	MISC.	103.81	41.90	11.90	3.81	0.00	0.95	162.38
	Total:	281.90	124.29	32.38	10.95	1.90	0.95	452.38

**Sample Point Enumeration result (per Ha.) of Sorada Range
of Ghumsur South Division**

10

Forest Range: SORADA
Forest Block: Pandakhhol RF

No of Points: 32
Comp. No.: 16

Method: Sample Point
Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	74.06	25.31	17.50	5.00	0.31	0.31	122.50
2	MAI	16.88	5.63	0.63	0.00	0.00	0.00	23.13
3	ASAN	9.69	8.44	1.88	0.00	0.00	0.00	20.00
4	CHAR	18.44	2.19	0.94	0.00	0.00	0.00	21.56
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	6.56	3.75	0.63	0.00	0.00	0.00	10.94
7	KENDU	14.69	5.94	0.00	0.00	0.00	0.00	20.63
8	KASHI	5.00	1.88	0.63	0.00	0.00	0.00	7.50
9	HARIDA	0.00	2.19	0.00	0.00	0.00	0.00	2.19
10	BAHADA	0.31	0.63	0.00	0.00	0.00	0.00	0.94
11	MAHULA	9.06	4.38	0.94	0.00	0.00	0.00	14.38
12	HALANDA	3.44	2.19	0.00	0.00	0.00	0.00	5.63
13	MUNDI	4.69	3.44	0.00	0.00	0.00	0.00	8.13
14	BELA	2.50	0.00	0.00	0.00	0.00	0.00	2.50
15	JAMUN	7.19	2.81	0.31	0.00	0.00	0.00	10.31
16	AMLA	7.19	1.25	0.00	0.00	0.00	0.00	8.44
17	BANDHAN	10.00	4.69	0.00	0.00	0.00	0.00	14.69
18	PIASAL	1.25	3.44	0.31	0.00	0.00	0.00	5.00
19	SISOO	0.94	0.00	0.00	0.00	0.00	0.00	0.94
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.31	0.00	0.00	0.00	0.00	0.00	0.31
22	MISC.	105.31	40.00	16.25	6.88	1.56	0.31	170.31
	Total:	297.50	118.13	40.00	11.88	1.88	0.63	470.00

Forest Range: SORADA
Forest Block: Pandakhhol RF

No of Points: 13
Comp. No.: 17

Method: Sample Point
Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	19.23	22.31	11.54	1.54	0.00	0.00	54.62
2	MAI	11.54	14.62	5.38	0.00	0.00	0.00	31.54
3	ASAN	12.31	7.69	5.38	0.77	0.00	0.00	26.15
4	CHAR	16.92	9.23	0.77	0.00	0.00	0.00	26.92
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	7.69	7.69	0.77	0.00	0.00	0.00	16.15
7	KENDU	8.46	7.69	2.31	0.00	0.00	0.00	18.46
8	KASHI	0.77	3.85	0.00	0.00	0.00	0.00	4.62
9	HARIDA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	BAHADA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	MAHULA	10.00	11.54	3.85	0.77	0.00	0.00	26.15
12	HALANDA	9.23	11.54	5.38	0.00	0.00	0.00	26.15
13	MUNDI	6.92	3.85	0.00	0.00	0.00	0.00	10.77
14	BELA	3.08	0.00	0.00	0.00	0.00	0.00	3.08
15	JAMUN	1.54	0.00	1.54	0.00	0.00	0.00	3.08
16	AMLA	1.54	2.31	0.00	0.00	0.00	0.00	3.85
17	BANDHAN	6.92	8.46	0.77	0.00	0.00	0.00	16.15
18	PIASAL	3.85	3.08	0.00	0.00	0.00	0.00	6.92
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	56.15	32.31	15.38	2.31	0.00	0.00	106.15
	Total:	176.15	146.15	53.08	5.38	0.00	0.00	380.77

**Sample Point Enumeration result (per Ha.) of Sorada Range
of Ghumsur South Division**

10

Forest Range: SORADA

No of Points: 22

Method: Sample Point

Forest Block: Pandakhhol RF

Comp. No.: 18

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	35.45	9.55	5.45	1.36	0.00	0.00	51.82
2	MAI	9.55	6.36	0.91	0.45	0.00	0.00	17.27
3	ASAN	24.09	12.73	3.64	0.00	0.00	0.00	40.45
4	CHAR	27.73	5.91	1.82	0.00	0.00	0.00	35.45
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	17.73	3.18	0.45	4.55	0.00	0.00	25.91
7	KENDU	10.00	12.73	0.45	0.00	0.00	0.00	23.18
8	KASHI	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	HARIDA	1.36	2.73	0.91	0.00	0.00	0.00	5.00
10	BAHADA	2.73	0.91	0.00	0.00	0.00	0.00	3.64
11	MAHULA	4.09	1.36	0.91	0.00	0.91	0.00	7.27
12	HALANDA	0.91	0.00	0.00	0.00	0.00	0.00	0.91
13	MUNDI	0.91	0.00	0.00	0.00	0.00	0.00	0.91
14	BELA	0.45	0.45	0.00	0.00	0.00	0.00	0.91
15	JAMUN	14.09	3.64	0.00	0.00	0.00	0.00	17.73
16	AMLA	7.73	0.45	0.00	0.00	0.00	0.00	8.18
17	BANDHAN	9.09	3.18	9.09	0.00	0.00	0.00	21.36
18	PIASAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	SISOO	0.00	0.45	0.00	0.00	0.00	0.00	0.45
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	112.73	50.45	18.18	9.09	0.91	0.45	191.82
	Total:	278.64	114.09	41.82	15.45	1.82	0.45	452.27

Forest Range: SORADA

No of Points: 14

Method: Sample Point

Forest Block: Pandakhhol RF

Comp. No.: 19

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	42.86	13.57	9.29	0.71	0.00	0.00	66.43
2	MAI	19.29	16.43	8.57	0.00	0.00	0.00	44.29
3	ASAN	22.86	14.29	1.43	0.00	0.00	0.00	38.57
4	CHAR	32.86	2.86	0.00	0.00	0.00	0.00	35.71
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	1.43	0.00	0.00	0.00	0.00	0.00	1.43
7	KENDU	11.43	0.00	0.00	0.00	0.00	0.00	11.43
8	KASHI	0.71	0.00	0.00	0.00	0.00	0.00	0.71
9	HARIDA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	BAHADA	7.86	0.00	0.00	0.00	0.00	0.00	7.86
11	MAHULA	16.43	0.71	7.14	0.00	0.00	0.00	24.29
12	HALANDA	5.71	0.00	0.00	0.00	0.00	0.00	5.71
13	MUNDI	5.71	0.00	0.00	0.00	0.00	0.00	5.71
14	BELA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	JAMUN	12.14	2.14	0.00	0.00	0.00	0.00	14.29
16	AMLA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	BANDHAN	10.71	1.43	0.00	0.00	0.00	0.00	12.14
18	PIASAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	106.43	63.57	20.71	5.71	0.00	0.00	196.43
	Total:	296.43	115.00	47.14	6.43	0.00	0.00	465.00

**Sample Point Enumeration result (per Ha.) of Sorada Range
of Ghumsur South Division**

10

Forest Range: SORADA

No of Points: 28

Method: Sample Point

Forest Block: Pandakhhol RF

Comp. No.: 20

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	49.29	17.50	9.29	0.71	0.00	0.00	76.79
2	MAI	20.71	17.50	6.07	0.00	0.00	0.00	44.29
3	ASAN	25.00	12.86	1.79	0.00	0.00	0.00	39.64
4	CHAR	29.29	3.93	0.00	0.00	0.00	0.00	33.21
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	2.86	0.71	0.36	0.00	0.00	0.00	3.93
7	KENDU	15.00	0.36	0.36	0.00	0.00	0.00	15.71
8	KASHI	2.50	1.07	0.00	0.00	0.00	0.00	3.57
9	HARIDA	0.00	1.07	0.00	0.00	0.00	0.00	1.07
10	BAHADA	5.71	0.00	0.00	0.00	0.00	0.00	5.71
11	MAHULA	12.86	1.43	5.36	0.00	0.00	0.00	19.64
12	HALANDA	4.64	0.00	0.71	0.00	0.00	0.00	5.36
13	MUNDI	5.00	0.71	0.00	0.00	0.00	0.00	5.71
14	BELA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	JAMUN	12.14	3.57	0.36	0.00	0.00	0.00	16.07
16	AMLA	0.36	0.00	0.00	0.00	0.00	0.00	0.36
17	BANDHAN	6.43	1.43	0.00	0.00	0.00	0.00	7.86
18	PIASAL	0.00	0.36	0.71	0.00	0.00	0.00	1.07
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	106.07	50.71	18.21	5.71	0.00	0.00	180.71
	Total:	297.86	113.21	43.21	6.43	0.00	0.00	460.71

Forest Range: SORADA

No of Points: 15

Method: Sample Point

Forest Block: Pandakhhol RF

Comp. No.: 21

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	29.33	10.67	8.00	0.00	0.00	0.67	48.67
2	MAI	12.00	8.00	5.33	0.00	0.00	0.00	25.33
3	ASAN	7.33	7.33	3.33	0.00	0.00	0.00	18.00
4	CHAR	13.33	4.67	2.00	0.00	0.00	0.00	20.00
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	4.67	2.67	1.33	0.00	0.00	0.00	8.67
7	KENDU	14.67	4.67	1.33	0.00	0.00	0.00	20.67
8	KASHI	8.00	3.33	0.67	0.00	0.00	0.00	12.00
9	HARIDA	3.33	1.33	0.00	0.00	0.00	0.00	4.67
10	BAHADA	1.33	0.00	0.00	0.00	0.00	0.00	1.33
11	MAHULA	4.67	6.67	3.33	0.00	0.00	0.00	14.67
12	HALANDA	11.33	2.67	0.67	0.00	0.00	0.00	14.67
13	MUNDI	2.67	2.67	0.00	0.00	0.00	0.00	5.33
14	BELA	4.00	0.67	0.00	0.00	0.00	0.00	4.67
15	JAMUN	4.67	2.67	0.00	0.00	0.00	0.00	7.33
16	AMLA	6.00	0.00	0.00	0.00	0.00	0.00	6.00
17	BANDHAN	0.67	2.67	0.00	0.00	0.00	0.00	3.33
18	PIASAL	1.33	1.33	0.00	0.00	0.00	0.00	2.67
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.67	0.00	0.00	0.00	0.00	0.67
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	104.67	44.00	21.33	5.33	0.67	0.67	176.67
	Total:	234.00	106.67	47.33	5.33	0.67	1.33	395.33

**Sample Point Enumeration result (per Ha.) of Sorada Range
of Ghumsur South Division**

10

Forest Range: SORADA

No of Points: 11

Method: Sample Point

Forest Block: Pandakhhol RF

Comp. No.: 22

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	21.82	6.36	1.82	0.00	1.82	0.00	31.82
2	MAI	28.18	10.91	7.27	0.00	0.00	0.00	46.36
3	ASAN	9.09	13.64	0.00	0.00	0.00	0.00	22.73
4	CHAR	21.82	8.18	0.91	0.00	0.00	0.00	30.91
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	3.64	0.91	0.00	0.00	0.00	0.00	4.55
7	KENDU	8.18	10.00	0.00	0.00	0.00	0.00	18.18
8	KASHI	8.18	0.00	0.00	0.00	0.00	0.00	8.18
9	HARIDA	3.64	0.00	0.00	0.00	0.00	0.00	3.64
10	BAHADA	1.82	0.00	0.00	0.00	0.00	0.00	1.82
11	MAHULA	3.64	7.27	2.73	0.00	0.00	0.00	13.64
12	HALANDA	17.27	7.27	3.64	0.00	0.00	0.00	28.18
13	MUNDI	10.91	10.91	0.00	0.00	0.00	0.00	21.82
14	BELA	4.55	0.00	0.00	0.00	0.00	0.00	4.55
15	JAMUN	3.64	3.64	0.00	0.00	0.00	0.00	7.27
16	AMLA	10.00	1.82	0.00	0.00	0.00	0.00	11.82
17	BANDHAN	5.45	3.64	0.00	0.00	0.00	0.00	9.09
18	PIASAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	123.64	54.55	21.82	6.36	1.82	0.00	208.18
	Total:	285.45	139.09	38.18	6.36	3.64	0.00	472.73

Forest Range: SORADA

No of Points: 32

Method: Sample Point

Forest Block: Pandakhhol RF

Comp. No.: 23

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	34.69	22.81	10.00	1.88	0.94	0.94	71.25
2	MAI	15.63	10.00	4.38	0.00	0.00	0.00	30.00
3	ASAN	7.81	8.75	1.25	0.31	0.00	0.00	18.13
4	CHAR	16.25	4.06	0.00	0.00	0.00	0.00	20.31
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	5.63	5.00	1.56	0.00	0.00	0.00	12.19
7	KENDU	11.56	1.25	0.63	0.00	0.00	0.00	13.44
8	KASHI	4.69	4.38	0.00	0.00	0.00	0.00	9.06
9	HARIDA	0.94	2.81	0.00	0.00	0.00	0.00	3.75
10	BAHADA	0.31	0.63	0.00	0.00	0.00	0.00	0.94
11	MAHULA	5.94	4.38	0.63	0.00	0.00	0.00	10.94
12	HALANDA	5.63	7.50	2.19	0.63	0.00	0.00	15.94
13	MUNDI	7.19	2.81	0.31	0.00	0.00	0.00	10.31
14	BELA	1.25	0.00	0.00	0.00	0.00	0.00	1.25
15	JAMUN	5.94	5.31	0.00	0.00	0.00	0.00	11.25
16	AMLA	5.00	0.94	0.00	0.00	0.00	0.00	5.94
17	BANDHAN	3.44	6.25	0.00	0.00	0.00	0.00	9.69
18	PIASAL	1.56	4.38	0.00	0.00	0.00	0.00	5.94
19	SISOO	0.31	0.94	0.00	0.00	0.00	0.00	1.25
20	TAMARIND	0.00	0.00	0.63	0.00	0.00	0.00	0.63
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	95.94	47.81	15.31	7.81	2.50	0.63	170.00
	Total:	229.69	140.00	36.88	10.63	3.44	1.56	422.19

**Sample Point Enumeration result (per Ha.) of Sorada Range
of Ghumsur South Division**

10

Forest Range: SORADA

No of Points: 7

Method: Sample Point

Forest Block: Pandakhhol RF

Comp. No.: 24

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	20.00	17.14	7.14	0.00	0.00	0.00	44.29
2	MAI	18.57	24.29	8.57	0.00	0.00	0.00	51.43
3	ASAN	2.86	15.71	0.00	0.00	0.00	0.00	18.57
4	CHAR	40.00	7.14	2.86	0.00	0.00	0.00	50.00
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	1.43	14.29	7.14	0.00	0.00	0.00	22.86
7	KENDU	8.57	20.00	5.71	0.00	0.00	0.00	34.29
8	KASHI	2.86	10.00	0.00	0.00	0.00	0.00	12.86
9	HARIDA	0.00	4.29	0.00	0.00	0.00	0.00	4.29
10	BAHADA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	MAHULA	0.00	4.29	0.00	0.00	0.00	0.00	4.29
12	HALANDA	4.29	8.57	1.43	0.00	0.00	0.00	14.29
13	MUNDI	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	BELA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	JAMUN	2.86	0.00	0.00	0.00	0.00	0.00	2.86
16	AMLA	0.00	1.43	0.00	0.00	0.00	0.00	1.43
17	BANDHAN	0.00	24.29	0.00	0.00	0.00	0.00	24.29
18	PIASAL	0.00	4.29	0.00	0.00	0.00	0.00	4.29
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	4.29	0.00	0.00	0.00	4.29
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	71.43	31.43	8.57	0.00	0.00	1.43	112.86
	Total:	172.86	187.14	45.71	0.00	0.00	1.43	407.14

Forest Range: SORADA

No of Points: 12

Method: Sample Point

Forest Block: Pandakhhol RF

Comp. No.: 25

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	38.33	20.83	6.67	1.67	0.00	0.00	67.50
2	MAI	7.50	8.33	1.67	0.00	0.00	0.00	17.50
3	ASAN	20.00	12.50	5.00	0.00	0.00	0.00	37.50
4	CHAR	27.50	9.17	0.00	0.00	0.00	0.00	36.67
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	12.50	7.50	0.83	0.83	0.00	0.00	21.67
7	KENDU	14.17	6.67	0.83	0.00	0.00	0.00	21.67
8	KASHI	4.17	1.67	0.00	0.00	0.00	0.00	5.83
9	HARIDA	0.83	0.00	0.00	0.00	0.00	0.00	0.83
10	BAHADA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	MAHULA	3.33	2.50	0.83	0.83	0.00	0.00	7.50
12	HALANDA	1.67	1.67	0.00	0.00	0.00	0.00	3.33
13	MUNDI	8.33	3.33	0.00	0.00	0.00	0.00	11.67
14	BELA	0.00	0.83	0.00	0.00	0.00	0.00	0.83
15	JAMUN	3.33	5.83	0.00	0.00	0.00	0.00	9.17
16	AMLA	3.33	2.50	0.00	0.00	0.00	0.00	5.83
17	BANDHAN	8.33	6.67	1.67	0.00	0.00	0.00	16.67
18	PIASAL	0.00	0.83	0.00	0.00	0.00	0.00	0.83
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	107.50	38.33	15.00	2.50	0.00	0.83	164.17
	Total:	260.83	129.17	32.50	5.83	0.00	0.83	429.17

**Sample Point Enumeration result (per Ha.) of Sorada Range
of Ghumsur South Division**

10

Forest Range: SORADA

No of Points: 13

Method: Sample Point

Forest Block: Pandakhhol RF

Comp. No.: 26

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	19.23	22.31	11.54	1.54	0.00	0.00	54.62
2	MAI	16.15	16.92	5.38	0.00	0.00	0.00	38.46
3	ASAN	16.92	17.69	5.38	0.77	0.00	0.00	40.77
4	CHAR	20.77	18.46	0.00	0.00	0.00	0.00	39.23
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	7.69	7.69	0.77	0.00	0.00	0.00	16.15
7	KENDU	10.77	8.46	0.77	0.00	0.00	0.00	20.00
8	KASHI	0.00	3.85	0.00	0.00	0.00	0.00	3.85
9	HARIDA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	BAHADA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	MAHULA	12.31	14.62	3.85	0.77	0.00	0.00	31.54
12	HALANDA	11.54	20.00	3.85	0.00	0.00	0.00	35.38
13	MUNDI	6.92	3.85	1.54	0.00	0.00	0.00	12.31
14	BELA	3.08	0.00	0.00	0.00	0.00	0.00	3.08
15	JAMUN	2.31	0.00	1.54	0.00	0.00	0.00	3.85
16	AMLA	2.31	3.85	0.00	0.00	0.00	0.00	6.15
17	BANDHAN	7.69	8.46	0.77	0.00	0.00	0.00	16.92
18	PIASAL	4.62	3.08	0.00	0.00	0.00	0.00	7.69
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	57.69	43.85	14.62	2.31	0.00	0.00	118.46
	Total:	200.00	193.08	50.00	5.38	0.00	0.00	448.46

Forest Range: SORADA

No of Points: 20

Method: Sample Point

Forest Block: Pandakhhol RF

Comp. No.: 27[a]

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	57.00	26.00	7.50	3.50	1.50	0.50	96.00
2	MAI	29.00	7.50	2.50	0.00	0.00	0.00	39.00
3	ASAN	9.00	7.50	1.00	0.50	0.00	0.00	18.00
4	CHAR	30.50	2.00	0.00	0.00	0.00	0.00	32.50
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	8.50	6.50	1.50	0.00	0.00	0.00	16.50
7	KENDU	23.00	1.00	0.00	0.00	0.00	0.00	24.00
8	KASHI	5.00	10.00	0.00	0.00	0.00	0.00	15.00
9	HARIDA	1.00	5.00	0.00	0.00	0.00	0.00	6.00
10	BAHADA	0.00	0.50	0.00	0.00	0.00	0.00	0.50
11	MAHULA	8.50	4.50	0.50	0.00	0.00	0.00	13.50
12	HALANDA	10.50	6.00	0.50	1.00	0.00	0.00	18.00
13	MUNDI	11.50	1.50	0.00	0.00	0.00	0.00	13.00
14	BELA	1.00	0.00	0.00	0.00	0.00	0.00	1.00
15	JAMUN	8.00	4.00	0.00	0.00	0.00	0.00	12.00
16	AMLA	8.50	0.00	0.00	0.00	0.00	0.00	8.50
17	BANDHAN	9.00	4.50	0.00	0.00	0.00	0.00	13.50
18	PIASAL	2.50	12.50	0.00	0.00	0.00	0.00	15.00
19	SISOO	0.50	1.50	0.00	0.00	0.00	0.00	2.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	126.50	57.00	16.50	8.50	3.50	0.00	212.00
	Total:	349.50	157.50	30.00	13.50	5.00	0.50	556.00

**Sample Point Enumeration result (per Ha.) of Sorada Range
of Ghumsur South Division**

10

Forest Range: SORADA

No of Points: 2

Method: Sample Point

Forest Block: Pandakhhol RF

Comp. No.: 27[b]

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	MAI	50.00	20.00	0.00	0.00	0.00	0.00	70.00
3	ASAN	25.00	10.00	0.00	0.00	0.00	0.00	35.00
4	CHAR	65.00	0.00	0.00	0.00	0.00	0.00	65.00
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	0.00	10.00	0.00	0.00	0.00	0.00	10.00
7	KENDU	25.00	0.00	0.00	0.00	0.00	0.00	25.00
8	KASHI	5.00	5.00	0.00	0.00	0.00	0.00	10.00
9	HARIDA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	BAHADA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	MAHULA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	HALANDA	10.00	0.00	0.00	0.00	0.00	0.00	10.00
13	MUNDI	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	BELA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	JAMUN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	AMLA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	BANDHAN	20.00	0.00	0.00	0.00	0.00	0.00	20.00
18	PIASAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	100.00	35.00	5.00	0.00	0.00	0.00	140.00
	Total:	300.00	80.00	5.00	0.00	0.00	0.00	385.00

Forest Range: SORADA

No of Points: 24

Method: Sample Point

Forest Block: Pandakhhol RF

Comp. No.: 28

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	33.33	16.25	5.83	0.42	0.42	0.00	56.25
2	MAI	18.33	10.42	4.17	0.83	0.00	0.00	33.75
3	ASAN	7.08	10.42	0.83	0.00	0.00	0.00	18.33
4	CHAR	21.67	0.83	0.00	0.00	0.00	0.00	22.50
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	5.83	9.17	2.08	0.00	0.00	0.00	17.08
7	KENDU	19.17	2.08	0.00	0.00	0.00	0.00	21.25
8	KASHI	3.33	5.42	0.00	0.00	0.00	0.00	8.75
9	HARIDA	2.92	4.58	0.00	0.00	0.00	0.00	7.50
10	BAHADA	0.83	0.42	0.00	0.00	0.00	0.00	1.25
11	MAHULA	10.83	7.50	3.33	0.00	0.00	0.00	21.67
12	HALANDA	7.92	6.67	1.67	1.25	0.00	0.00	17.50
13	MUNDI	8.75	4.17	0.00	0.00	0.00	0.00	12.92
14	BELA	4.17	0.42	0.00	0.00	0.00	0.00	4.58
15	JAMUN	5.00	3.75	0.00	0.00	0.00	0.00	8.75
16	AMLA	10.42	1.67	0.00	0.00	0.00	0.00	12.08
17	BANDHAN	7.92	5.42	0.00	0.00	0.00	0.00	13.33
18	PIASAL	2.08	7.08	0.00	0.00	0.00	0.00	9.17
19	SISOO	3.33	0.42	0.00	0.00	0.00	0.00	3.75
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	123.33	67.08	21.67	3.33	0.00	0.00	215.42
	Total:	296.25	163.75	39.58	5.83	0.42	0.00	505.83

**Sample Point Enumeration result (per Ha.) of Sorada Range
of Ghumsur South Division**

10

Forest Range: SORADA

No of Points: 32

Method: Sample Point

Forest Block: Pandakhhol RF

Comp. No.: 29[a]

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	84.38	38.44	18.44	5.00	0.31	0.31	146.88
2	MAI	17.50	7.81	0.94	0.00	0.00	0.00	26.25
3	ASAN	12.50	11.56	1.88	0.00	0.00	0.00	25.94
4	CHAR	23.44	1.88	0.00	0.00	0.00	0.00	25.31
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	7.81	5.31	0.94	0.00	0.00	0.00	14.06
7	KENDU	16.25	6.56	0.31	0.00	0.00	0.00	23.13
8	KASHI	5.63	3.44	0.00	0.00	0.00	0.00	9.06
9	HARIDA	0.00	2.50	0.00	0.00	0.00	0.00	2.50
10	BAHADA	0.31	0.94	0.00	0.00	0.00	0.00	1.25
11	MAHULA	9.38	5.31	1.25	0.00	0.00	0.00	15.94
12	HALANDA	4.38	3.44	0.00	0.00	0.00	0.00	7.81
13	MUNDI	6.25	3.13	0.00	0.00	0.00	0.00	9.38
14	BELA	3.44	0.00	0.00	0.00	0.00	0.00	3.44
15	JAMUN	9.06	3.75	0.00	0.00	0.00	0.00	12.81
16	AMLA	7.50	1.25	0.00	0.00	0.00	0.00	8.75
17	BANDHAN	10.00	6.25	0.00	0.00	0.00	0.00	16.25
18	PIASAL	1.25	3.75	0.00	0.00	0.00	0.00	5.00
19	SISOO	0.94	0.00	0.00	0.00	0.00	0.00	0.94
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	126.56	55.00	16.88	6.88	1.25	0.31	206.88
	Total:	346.56	160.31	40.63	11.88	1.56	0.63	561.56

Forest Range: SORADA

No of Points: 2

Method: Sample Point

Forest Block: Pandakhhol RF

Comp. No.: 29[b]

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	70.00	15.00	15.00	5.00	0.00	0.00	105.00
2	MAI	25.00	10.00	5.00	0.00	0.00	0.00	40.00
3	ASAN	20.00	10.00	5.00	0.00	0.00	0.00	35.00
4	CHAR	20.00	0.00	0.00	0.00	0.00	0.00	20.00
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	10.00	0.00	0.00	0.00	0.00	0.00	10.00
7	KENDU	5.00	5.00	0.00	0.00	0.00	0.00	10.00
8	KASHI	20.00	0.00	0.00	0.00	0.00	0.00	20.00
9	HARIDA	5.00	10.00	0.00	0.00	0.00	0.00	15.00
10	BAHADA	0.00	10.00	0.00	0.00	0.00	0.00	10.00
11	MAHULA	10.00	10.00	0.00	0.00	0.00	0.00	20.00
12	HALANDA	0.00	10.00	0.00	0.00	0.00	0.00	10.00
13	MUNDI	0.00	10.00	0.00	0.00	0.00	0.00	10.00
14	BELA	10.00	0.00	0.00	0.00	0.00	0.00	10.00
15	JAMUN	0.00	15.00	0.00	0.00	0.00	0.00	15.00
16	AMLA	10.00	0.00	0.00	0.00	0.00	0.00	10.00
17	BANDHAN	0.00	5.00	0.00	0.00	0.00	0.00	5.00
18	PIASAL	0.00	5.00	0.00	0.00	0.00	0.00	5.00
19	SISOO	5.00	0.00	0.00	0.00	0.00	0.00	5.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	90.00	50.00	25.00	0.00	0.00	0.00	165.00
	Total:	300.00	165.00	50.00	5.00	0.00	0.00	520.00

**Sample Point Enumeration result (per Ha.) of Sorada Range
of Ghumsur South Division**

10

Forest Range: SORADA
Forest Block: Pandakhhol RF

No of Points: 33
Comp. No.: 30

Method: Sample Point
Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	54.24	22.12	4.24	2.12	0.61	0.00	83.33
2	MAI	20.91	8.48	1.82	0.00	0.00	0.00	31.21
3	ASAN	13.03	9.70	0.91	0.00	0.00	0.00	23.64
4	CHAR	40.00	2.42	0.00	0.00	0.00	0.00	42.42
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	6.67	4.55	2.42	0.00	0.00	0.00	13.64
7	KENDU	22.12	2.73	0.00	0.00	0.00	0.00	24.85
8	KASHI	9.39	0.00	0.00	0.00	0.00	0.00	9.39
9	HARIDA	2.12	3.33	0.00	0.00	0.00	0.00	5.45
10	BAHADA	1.21	0.30	0.00	0.00	0.00	0.00	1.52
11	MAHULA	6.06	0.61	1.52	0.30	0.00	0.00	8.48
12	HALANDA	7.88	1.52	0.61	0.30	0.00	0.00	10.30
13	MUNDI	7.88	0.61	0.00	0.00	0.00	0.00	8.48
14	BELA	1.21	0.30	0.00	0.00	0.00	0.00	1.52
15	JAMUN	4.55	1.52	0.00	0.00	0.00	0.00	6.06
16	AMLA	2.73	0.30	0.00	0.00	0.00	0.00	3.03
17	BANDHAN	11.52	0.91	0.00	0.00	0.00	0.00	12.42
18	PIASAL	1.82	3.94	0.00	0.00	0.00	0.00	5.76
19	SISOO	0.61	0.61	0.00	0.00	0.00	0.00	1.21
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.30	0.30	0.00	0.00	0.61
22	MISC.	131.21	59.09	10.61	6.67	0.91	0.30	208.79
	Total:	345.15	123.03	22.42	9.70	1.52	0.30	502.12

Forest Range: SORADA
Forest Block: Pandakhhol RF

No of Points: 26
Comp. No.: 31

Method: Sample Point
Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	37.69	16.92	5.00	1.15	0.38	0.00	61.15
2	MAI	21.92	5.77	1.15	0.00	0.00	0.00	28.85
3	ASAN	22.69	13.46	2.31	0.00	0.00	0.00	38.46
4	CHAR	30.38	6.92	1.15	0.00	0.00	0.00	38.46
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	4.62	2.31	0.00	0.00	0.00	0.00	6.92
7	KENDU	17.31	1.54	0.00	0.00	0.00	0.00	18.85
8	KASHI	3.46	1.15	0.00	0.00	0.00	0.00	4.62
9	HARIDA	0.77	2.31	0.00	0.00	0.00	0.00	3.08
10	BAHADA	0.00	0.38	0.00	0.00	0.00	0.00	0.38
11	MAHULA	8.08	3.08	2.31	0.00	0.00	0.00	13.46
12	HALANDA	7.31	1.92	0.00	0.00	0.00	0.00	9.23
13	MUNDI	3.46	2.31	0.00	0.00	0.00	0.00	5.77
14	BELA	0.38	0.00	0.00	0.00	0.00	0.00	0.38
15	JAMUN	11.15	0.77	0.38	0.00	0.00	0.00	12.31
16	AMLA	1.54	0.77	0.00	0.00	0.00	0.00	2.31
17	BANDHAN	5.77	1.92	0.38	0.00	0.00	0.00	8.08
18	PIASAL	0.00	3.85	0.00	0.00	0.00	0.00	3.85
19	SISOO	1.54	0.77	0.00	0.00	0.00	0.00	2.31
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.77	0.38	0.00	1.15
22	MISC.	122.31	57.31	17.31	5.00	1.15	0.00	203.08
	Total:	300.38	123.46	30.00	6.92	1.92	0.00	462.69

**Sample Point Enumeration result (per Ha.) of Sorada Range
of Ghumsur South Division**

10

Forest Range: SORADA

No of Points: 27

Method: Sample Point

Forest Block: Pandakhhol RF

Comp. No.: 32

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	45.19	15.56	6.30	0.37	0.00	0.00	67.41
2	MAI	25.93	15.56	4.81	0.00	0.00	0.00	46.30
3	ASAN	25.56	10.37	2.59	0.37	0.00	0.00	38.89
4	CHAR	31.85	2.59	0.00	0.00	0.00	0.00	34.44
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	2.59	2.96	0.74	0.00	0.00	0.00	6.30
7	KENDU	18.15	1.48	0.37	0.00	0.00	0.00	20.00
8	KASHI	3.33	1.11	0.00	0.00	0.00	0.00	4.44
9	HARIDA	0.00	2.22	0.00	0.00	0.00	0.00	2.22
10	BAHADA	3.33	0.37	0.00	0.00	0.00	0.00	3.70
11	MAHULA	7.78	2.59	4.07	0.00	0.00	0.00	14.44
12	HALANDA	5.56	0.37	0.74	0.00	0.00	0.00	6.67
13	MUNDI	4.07	1.85	0.00	0.00	0.00	0.00	5.93
14	BELA	0.37	0.00	0.00	0.00	0.00	0.00	0.37
15	JAMUN	10.74	3.70	0.37	0.00	0.00	0.00	14.81
16	AMLA	0.37	0.00	0.00	0.00	0.00	0.00	0.37
17	BANDHAN	5.56	0.74	0.00	0.00	0.00	0.00	6.30
18	PIASAL	0.37	2.96	0.74	0.00	0.00	0.00	4.07
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	121.11	45.19	16.30	4.81	0.00	0.00	187.41
	Total:	311.85	109.63	37.04	5.56	0.00	0.00	464.07

Forest Range: SORADA

No of Points: 16

Method: Sample Point

Forest Block: Pandakhhol RF

Comp. No.: 33

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	10.00	2.50	0.00	0.00	0.00	0.00	12.50
2	MAI	32.50	8.75	4.38	0.00	0.00	0.00	45.63
3	ASAN	14.38	10.00	0.63	0.00	0.00	0.00	25.00
4	CHAR	23.13	4.38	0.00	0.00	0.00	0.00	27.50
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	11.25	10.63	2.50	0.00	0.00	0.00	24.38
7	KENDU	23.75	4.38	0.00	0.00	0.00	0.00	28.13
8	KASHI	10.63	1.25	0.00	0.00	0.00	0.00	11.88
9	HARIDA	6.88	6.25	0.00	0.00	0.00	0.00	13.13
10	BAHADA	0.00	0.63	0.00	0.00	0.00	0.00	0.63
11	MAHULA	1.25	2.50	0.63	0.00	0.00	0.00	4.38
12	HALANDA	11.25	1.88	0.00	0.00	0.00	0.00	13.13
13	MUNDI	2.50	0.00	0.00	0.00	0.00	0.00	2.50
14	BELA	1.88	0.00	0.00	0.00	0.00	0.00	1.88
15	JAMUN	0.63	0.63	0.00	0.00	0.00	0.00	1.25
16	AMLA	1.25	0.00	0.00	0.00	0.00	0.00	1.25
17	BANDHAN	7.50	6.88	0.00	0.00	0.00	0.00	14.38
18	PIASAL	0.63	2.50	0.00	0.00	0.00	0.00	3.13
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.63	0.00	0.00	0.00	0.00	0.63
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	156.88	60.00	18.13	3.75	1.88	0.00	240.63
	Total:	316.25	123.75	26.25	3.75	1.88	0.00	471.88

**Sample Point Enumeration result (per Ha.) of Sorada Range
of Ghumsur South Division**

10

Forest Range: SORADA
Forest Block: Pandakhhol RF

No of Points: 29
Comp. No.: 34

Method: Sample Point
Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	37.59	18.28	5.52	0.69	0.00	0.00	62.07
2	MAI	20.00	7.24	1.03	1.03	0.00	0.00	29.31
3	ASAN	26.21	11.03	1.38	1.03	0.00	0.00	39.66
4	CHAR	41.72	12.07	1.72	0.00	0.00	0.00	55.52
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	4.48	0.00	0.00	0.00	0.00	0.00	4.48
7	KENDU	4.14	1.38	0.69	0.00	0.00	0.00	6.21
8	KASHI	1.72	0.34	0.00	0.00	0.00	0.00	2.07
9	HARIDA	0.00	0.00	0.34	0.00	0.00	0.00	0.34
10	BAHADA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	MAHULA	2.76	0.69	0.00	0.00	0.00	0.00	3.45
12	HALANDA	2.41	0.00	0.00	0.00	0.00	0.00	2.41
13	MUNDI	2.76	0.00	0.00	0.00	0.00	0.00	2.76
14	BELA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	JAMUN	3.79	0.00	0.00	0.00	0.00	0.00	3.79
16	AMLA	1.03	0.69	0.00	0.00	0.00	0.00	1.72
17	BANDHAN	7.59	7.24	0.00	0.00	0.00	0.00	14.83
18	PIASAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	SISOO	1.38	0.34	0.00	0.00	0.00	0.00	1.72
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	125.17	58.62	16.90	8.97	2.07	0.34	212.07
	Total:	282.76	117.93	27.59	11.72	2.07	0.34	442.41

Forest Range: SORADA
Forest Block: Pandakhhol RF

No of Points: 22
Comp. No.: 35

Method: Sample Point
Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	36.82	10.00	6.36	1.82	0.00	0.00	55.00
2	MAI	8.64	5.45	0.91	0.45	0.00	0.00	15.45
3	ASAN	20.91	10.00	3.18	0.00	0.00	0.00	34.09
4	CHAR	25.45	4.09	1.82	0.00	0.00	0.00	31.36
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	17.73	2.27	0.91	5.00	0.00	0.00	25.91
7	KENDU	9.55	12.27	0.91	0.00	0.00	0.00	22.73
8	KASHI	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	HARIDA	1.36	2.27	0.91	0.00	0.00	0.00	4.55
10	BAHADA	1.36	0.45	0.00	0.00	0.00	0.00	1.82
11	MAHULA	2.73	1.36	0.91	0.45	0.91	0.00	6.36
12	HALANDA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	MUNDI	0.45	0.00	0.00	0.00	0.00	0.00	0.45
14	BELA	0.45	0.45	0.00	0.00	0.00	0.00	0.91
15	JAMUN	12.27	3.18	0.00	0.00	0.00	0.00	15.45
16	AMLA	8.18	0.00	0.00	0.00	0.00	0.00	8.18
17	BANDHAN	6.36	2.73	9.09	0.00	0.00	0.00	18.18
18	PIASAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	115.00	50.91	15.45	8.18	0.00	0.45	190.00
	Total:	267.27	105.45	40.45	15.91	0.91	0.45	430.45

**Sample Point Enumeration result (per Ha.) of Sorada Range
of Ghumsur South Division**

10

Forest Range: SORADA

No of Points: 11

Method: Sample Point

Forest Block: Pandakhhol RF

Comp. No.: 36[a]

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	36.36	10.91	3.64	0.00	0.00	0.00	50.91
2	MAI	13.64	7.27	3.64	0.00	0.00	0.00	24.55
3	ASAN	10.91	8.18	2.73	0.00	0.00	0.00	21.82
4	CHAR	33.64	4.55	0.00	0.00	0.00	0.00	38.18
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	9.09	0.91	0.00	0.00	0.00	0.00	10.00
7	KENDU	18.18	2.73	0.91	0.00	0.00	0.00	21.82
8	KASHI	13.64	4.55	0.00	0.00	0.00	0.00	18.18
9	HARIDA	2.73	0.00	0.00	0.00	0.00	0.00	2.73
10	BAHADA	1.82	0.00	0.00	0.00	0.00	0.00	1.82
11	MAHULA	5.45	12.73	4.55	0.00	0.00	0.00	22.73
12	HALANDA	15.45	3.64	0.00	0.00	0.00	0.00	19.09
13	MUNDI	7.27	3.64	0.00	0.00	0.00	0.00	10.91
14	BELA	7.27	0.00	0.00	0.00	0.00	0.00	7.27
15	JAMUN	10.91	1.82	0.91	0.00	0.00	0.00	13.64
16	AMLA	10.00	0.00	0.00	0.00	0.00	0.00	10.00
17	BANDHAN	0.91	0.00	0.00	0.00	0.00	0.00	0.91
18	PIASAL	1.82	0.91	0.00	0.00	0.00	0.00	2.73
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	167.27	58.18	22.73	0.91	0.00	0.91	250.00
	Total:	366.36	120.00	39.09	0.91	0.00	0.91	527.27

Forest Range: SORADA

No of Points: 2

Method: Sample Point

Forest Block: Pandakhhol RF

Comp. No.: 36[b]

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	5.00	0.00	0.00	0.00	0.00	0.00	5.00
2	MAI	10.00	5.00	0.00	0.00	0.00	0.00	15.00
3	ASAN	5.00	0.00	0.00	0.00	0.00	0.00	5.00
4	CHAR	30.00	0.00	0.00	0.00	0.00	0.00	30.00
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	5.00	5.00	0.00	0.00	0.00	0.00	10.00
7	KENDU	30.00	10.00	0.00	0.00	0.00	0.00	40.00
8	KASHI	5.00	0.00	0.00	0.00	0.00	0.00	5.00
9	HARIDA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	BAHADA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	MAHULA	5.00	5.00	0.00	0.00	0.00	0.00	10.00
12	HALANDA	10.00	5.00	0.00	0.00	0.00	0.00	15.00
13	MUNDI	5.00	0.00	0.00	0.00	0.00	0.00	5.00
14	BELA	10.00	0.00	0.00	0.00	0.00	0.00	10.00
15	JAMUN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	AMLA	25.00	0.00	0.00	0.00	0.00	0.00	25.00
17	BANDHAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	PIASAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	145.00	110.00	35.00	0.00	0.00	0.00	290.00
	Total:	290.00	140.00	35.00	0.00	0.00	0.00	465.00

**Sample Point Enumeration result (per Ha.) of Sorada Range
of Ghumsur South Division**

10

Forest Range: SORADA

No of Points: 3

Method: Sample Point

Forest Block: Pankalagam RF

Comp. No.: 1

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	20.00	0.00	0.00	0.00	0.00	0.00	20.00
2	MAI	16.67	10.00	0.00	0.00	0.00	0.00	26.67
3	ASAN	3.33	0.00	0.00	0.00	0.00	0.00	3.33
4	CHAR	30.00	0.00	0.00	0.00	0.00	0.00	30.00
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	KENDU	3.33	3.33	0.00	0.00	0.00	0.00	6.67
8	KASHI	13.33	0.00	0.00	0.00	0.00	0.00	13.33
9	HARIDA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	BAHADA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	MAHULA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	HALANDA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	MUNDI	3.33	3.33	0.00	0.00	0.00	0.00	6.67
14	BELA	3.33	0.00	0.00	0.00	0.00	0.00	3.33
15	JAMUN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	AMLA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	BANDHAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	PIASAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	150.00	13.33	0.00	0.00	0.00	0.00	163.33
	Total:	243.33	30.00	0.00	0.00	0.00	0.00	273.33

Forest Range: SORADA

No of Points: 9

Method: Sample Point

Forest Block: Bondhagocha RF

Comp. No.: 1

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	14.44	10.00	0.00	0.00	0.00	0.00	24.44
2	MAI	18.89	15.56	4.44	0.00	0.00	0.00	38.89
3	ASAN	8.89	3.33	1.11	0.00	0.00	0.00	13.33
4	CHAR	14.44	4.44	0.00	0.00	0.00	0.00	18.89
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	13.33	3.33	0.00	0.00	0.00	0.00	16.67
7	KENDU	15.56	2.22	0.00	0.00	0.00	0.00	17.78
8	KASHI	4.44	2.22	0.00	0.00	0.00	0.00	6.67
9	HARIDA	1.11	0.00	0.00	0.00	0.00	0.00	1.11
10	BAHADA	4.44	0.00	0.00	0.00	0.00	0.00	4.44
11	MAHULA	10.00	5.56	1.11	0.00	0.00	0.00	16.67
12	HALANDA	5.56	2.22	0.00	0.00	0.00	0.00	7.78
13	MUNDI	2.22	0.00	0.00	0.00	0.00	0.00	2.22
14	BELA	4.44	1.11	0.00	0.00	0.00	0.00	5.56
15	JAMUN	11.11	3.33	0.00	0.00	0.00	0.00	14.44
16	AMLA	4.44	0.00	0.00	0.00	0.00	0.00	4.44
17	BANDHAN	1.11	0.00	0.00	0.00	0.00	0.00	1.11
18	PIASAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	SISOO	1.11	0.00	0.00	0.00	0.00	0.00	1.11
20	TAMARIND	1.11	0.00	0.00	0.00	0.00	0.00	1.11
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	128.89	70.00	10.00	0.00	0.00	0.00	208.89
	Total:	265.56	123.33	16.67	0.00	0.00	0.00	405.56

**Sample Point Enumeration result (per Ha.) of Sorada Range
of Ghumsur South Division**

10

Forest Range: SORADA

No of Points: 4

Method: Sample Point

Forest Block: Bondhagocha RF

Comp. No.: 2

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	20.00	0.00	0.00	0.00	0.00	0.00	20.00
2	MAI	22.50	2.50	2.50	0.00	0.00	0.00	27.50
3	ASAN	5.00	0.00	0.00	0.00	0.00	0.00	5.00
4	CHAR	17.50	2.50	0.00	0.00	0.00	0.00	20.00
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	17.50	0.00	0.00	0.00	0.00	0.00	17.50
7	KENDU	17.50	5.00	0.00	0.00	0.00	0.00	22.50
8	KASHI	7.50	0.00	0.00	0.00	0.00	0.00	7.50
9	HARIDA	2.50	0.00	0.00	0.00	0.00	0.00	2.50
10	BAHADA	2.50	0.00	0.00	0.00	0.00	0.00	2.50
11	MAHULA	12.50	5.00	0.00	0.00	0.00	0.00	17.50
12	HALANDA	5.00	2.50	0.00	0.00	0.00	0.00	7.50
13	MUNDI	2.50	0.00	0.00	0.00	0.00	0.00	2.50
14	BELA	5.00	2.50	0.00	0.00	0.00	0.00	7.50
15	JAMUN	17.50	0.00	0.00	0.00	0.00	0.00	17.50
16	AMLA	10.00	0.00	0.00	0.00	0.00	0.00	10.00
17	BANDHAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	PIASAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	SISOO	2.50	0.00	0.00	0.00	0.00	0.00	2.50
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	132.50	22.50	0.00	0.00	0.00	0.00	155.00
	Total:	300.00	42.50	2.50	0.00	0.00	0.00	345.00

Forest Range: SORADA

No of Points: 6

Method: Sample Point

Forest Block: Dhepaguda RF

Comp. No.: 1

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	33.33	18.33	0.00	0.00	0.00	0.00	51.67
2	MAI	33.33	6.67	0.00	0.00	0.00	0.00	40.00
3	ASAN	23.33	6.67	0.00	0.00	0.00	0.00	30.00
4	CHAR	23.33	18.33	0.00	0.00	0.00	0.00	41.67
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	8.33	1.67	0.00	0.00	0.00	0.00	10.00
7	KENDU	21.67	1.67	0.00	0.00	0.00	0.00	23.33
8	KASHI	11.67	0.00	0.00	0.00	0.00	0.00	11.67
9	HARIDA	3.33	0.00	0.00	0.00	0.00	0.00	3.33
10	BAHADA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	MAHULA	25.00	0.00	0.00	0.00	0.00	0.00	25.00
12	HALANDA	11.67	6.67	0.00	0.00	0.00	0.00	18.33
13	MUNDI	15.00	5.00	0.00	0.00	0.00	0.00	20.00
14	BELA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	JAMUN	16.67	1.67	0.00	0.00	0.00	0.00	18.33
16	AMLA	18.33	5.00	0.00	0.00	0.00	0.00	23.33
17	BANDHAN	3.33	5.00	0.00	0.00	0.00	0.00	8.33
18	PIASAL	1.67	0.00	0.00	0.00	0.00	0.00	1.67
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	251.67	170.00	36.67	26.67	11.67	3.33	500.00
	Total:	501.67	246.67	36.67	26.67	11.67	3.33	826.67

**Sample Point Enumeration result (per Ha.) of Sorada Range
of Ghumsur South Division**

10

Forest Range: SORADA
Forest Block: Dabuki RF

No of Points: 5
Comp. No.: 1

Method: Sample Point
Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	38.00	14.00	4.00	0.00	0.00	0.00	56.00
2	MAI	32.00	18.00	4.00	0.00	0.00	0.00	54.00
3	ASAN	8.00	0.00	0.00	0.00	0.00	0.00	8.00
4	CHAR	38.00	0.00	0.00	0.00	0.00	0.00	38.00
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	22.00	16.00	0.00	0.00	0.00	0.00	38.00
7	KENDU	20.00	4.00	0.00	0.00	0.00	0.00	24.00
8	KASHI	10.00	4.00	0.00	0.00	0.00	0.00	14.00
9	HARIDA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	BAHADA	2.00	0.00	0.00	0.00	0.00	0.00	2.00
11	MAHULA	2.00	0.00	0.00	0.00	0.00	0.00	2.00
12	HALANDA	10.00	2.00	0.00	0.00	0.00	0.00	12.00
13	MUNDI	4.00	2.00	0.00	0.00	0.00	0.00	6.00
14	BELA	6.00	0.00	0.00	0.00	0.00	0.00	6.00
15	JAMUN	8.00	0.00	0.00	0.00	0.00	0.00	8.00
16	AMLA	4.00	0.00	0.00	0.00	0.00	0.00	4.00
17	BANDHAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	PIASAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	172.00	44.00	6.00	0.00	0.00	0.00	222.00
	Total:	376.00	104.00	14.00	0.00	0.00	0.00	494.00

Forest Range: SORADA
Forest Block: Hukuma RF

No of Points: 8
Comp. No.: 1

Method: Sample Point
Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	28.75	10.00	0.00	0.00	0.00	0.00	38.75
2	MAI	16.25	3.75	0.00	0.00	0.00	0.00	20.00
3	ASAN	10.00	5.00	0.00	0.00	0.00	0.00	15.00
4	CHAR	18.75	5.00	0.00	0.00	0.00	0.00	23.75
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	3.75	3.75	0.00	0.00	0.00	0.00	7.50
7	KENDU	17.50	0.00	0.00	0.00	0.00	0.00	17.50
8	KASHI	5.00	0.00	0.00	0.00	0.00	0.00	5.00
9	HARIDA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	BAHADA	1.25	0.00	0.00	0.00	0.00	0.00	1.25
11	MAHULA	8.75	1.25	0.00	0.00	0.00	0.00	10.00
12	HALANDA	2.50	0.00	0.00	0.00	0.00	0.00	2.50
13	MUNDI	10.00	0.00	0.00	0.00	0.00	0.00	10.00
14	BELA	1.25	0.00	0.00	0.00	0.00	0.00	1.25
15	JAMUN	6.25	0.00	0.00	0.00	0.00	0.00	6.25
16	AMLA	5.00	1.25	0.00	0.00	0.00	0.00	6.25
17	BANDHAN	5.00	0.00	0.00	0.00	0.00	0.00	5.00
18	PIASAL	0.00	2.50	0.00	0.00	0.00	0.00	2.50
19	SISOO	1.25	0.00	0.00	0.00	0.00	0.00	1.25
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	125.00	70.00	22.50	17.50	3.75	0.00	238.75
	Total:	266.25	102.50	22.50	17.50	3.75	0.00	412.50

**Sample Point Enumeration result (per Ha.) of Sorada Range
of Ghumsur South Division**

10

Forest Range: SORADA
Forest Block: Hukuma RF

No of Points: 6
Comp. No.: 2

Method: Sample Point
Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	6.67	1.67	0.00	0.00	0.00	0.00	8.33
2	MAI	21.67	8.33	3.33	0.00	0.00	0.00	33.33
3	ASAN	13.33	3.33	0.00	0.00	0.00	0.00	16.67
4	CHAR	15.00	5.00	0.00	0.00	0.00	0.00	20.00
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	6.67	0.00	0.00	0.00	0.00	0.00	6.67
7	KENDU	16.67	0.00	0.00	0.00	0.00	0.00	16.67
8	KASHI	1.67	0.00	0.00	0.00	0.00	0.00	1.67
9	HARIDA	1.67	0.00	0.00	0.00	0.00	0.00	1.67
10	BAHADA	3.33	0.00	0.00	0.00	0.00	0.00	3.33
11	MAHULA	13.33	1.67	0.00	0.00	0.00	0.00	15.00
12	HALANDA	10.00	0.00	0.00	0.00	0.00	0.00	10.00
13	MUNDI	6.67	0.00	0.00	0.00	0.00	0.00	6.67
14	BELA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	JAMUN	6.67	1.67	0.00	0.00	0.00	0.00	8.33
16	AMLA	8.33	1.67	0.00	0.00	0.00	0.00	10.00
17	BANDHAN	5.00	6.67	0.00	0.00	0.00	0.00	11.67
18	PIASAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	170.00	101.67	18.33	18.33	1.67	1.67	311.67
	Total:	306.67	131.67	21.67	18.33	1.67	1.67	481.67

Forest Range: SORADA
Forest Block: Hukuma RF

No of Points: 3
Comp. No.: 3

Method: Sample Point
Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	20.00	10.00	0.00	0.00	0.00	0.00	30.00
2	MAI	20.00	6.67	0.00	0.00	0.00	0.00	26.67
3	ASAN	10.00	6.67	0.00	0.00	0.00	0.00	16.67
4	CHAR	16.67	0.00	0.00	0.00	0.00	0.00	16.67
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	13.33	3.33	0.00	0.00	0.00	0.00	16.67
7	KENDU	3.33	3.33	0.00	0.00	0.00	0.00	6.67
8	KASHI	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	HARIDA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	BAHADA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	MAHULA	16.67	0.00	0.00	0.00	0.00	0.00	16.67
12	HALANDA	3.33	0.00	0.00	0.00	0.00	0.00	3.33
13	MUNDI	10.00	0.00	0.00	0.00	0.00	0.00	10.00
14	BELA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	JAMUN	6.67	0.00	0.00	0.00	0.00	0.00	6.67
16	AMLA	10.00	0.00	0.00	0.00	0.00	0.00	10.00
17	BANDHAN	3.33	3.33	0.00	0.00	0.00	0.00	6.67
18	PIASAL	3.33	0.00	0.00	0.00	0.00	0.00	3.33
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	136.67	86.67	23.33	20.00	0.00	0.00	266.67
	Total:	273.33	120.00	23.33	20.00	0.00	0.00	436.67

**Sample Point Enumeration result (per Ha.) of Sorada Range
of Ghumsur South Division**

10

Forest Range: SORADA

No of Points: 8

Method: Sample Point

Forest Block: Dhaugam RF

Comp. No.: 1[a]

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	50.00	13.75	3.75	11.25	6.25	6.25	91.25
2	MAI	17.50	13.75	5.00	2.50	0.00	0.00	38.75
3	ASAN	6.25	0.00	0.00	0.00	0.00	0.00	6.25
4	CHAR	27.50	1.25	0.00	0.00	0.00	0.00	28.75
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	0.00	6.25	3.75	0.00	0.00	0.00	10.00
7	KENDU	12.50	5.00	1.25	0.00	0.00	0.00	18.75
8	KASHI	0.00	3.75	0.00	0.00	0.00	0.00	3.75
9	HARIDA	0.00	1.25	0.00	0.00	0.00	0.00	1.25
10	BAHADA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	MAHULA	5.00	2.50	1.25	0.00	0.00	0.00	8.75
12	HALANDA	1.25	0.00	0.00	0.00	0.00	0.00	1.25
13	MUNDI	3.75	1.25	0.00	0.00	0.00	0.00	5.00
14	BELA	1.25	0.00	0.00	0.00	0.00	0.00	1.25
15	JAMUN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	AMLA	1.25	0.00	0.00	0.00	0.00	0.00	1.25
17	BANDHAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	PIASAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	132.50	18.75	7.50	0.00	0.00	0.00	158.75
	Total:	258.75	67.50	22.50	13.75	6.25	6.25	375.00

Forest Range: SORADA

No of Points: 3

Method: Sample Point

Forest Block: Dhaugam RF

Comp. No.: 1[b]

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	13.33	3.33	0.00	0.00	3.33	6.67	26.67
2	MAI	13.33	0.00	0.00	6.67	0.00	0.00	20.00
3	ASAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	CHAR	3.33	0.00	0.00	0.00	0.00	0.00	3.33
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	3.33	0.00	0.00	0.00	0.00	0.00	3.33
7	KENDU	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	KASHI	3.33	0.00	0.00	0.00	0.00	0.00	3.33
9	HARIDA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	BAHADA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	MAHULA	3.33	0.00	0.00	0.00	0.00	0.00	3.33
12	HALANDA	3.33	0.00	0.00	0.00	0.00	0.00	3.33
13	MUNDI	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	BELA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	JAMUN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	AMLA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	BANDHAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	PIASAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	190.00	16.67	6.67	16.67	10.00	3.33	243.33
	Total:	233.33	20.00	6.67	23.33	13.33	10.00	306.67

**Sample Point Enumeration result (per Ha.) of Sorada Range
of Ghumsur South Division**

10

Forest Range: SORADA

No of Points: 20

Method: Sample Point

Forest Block: Dhaugam RF

Comp. No.: 2[a]

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	21.50	11.50	1.50	1.50	0.00	0.00	36.00
2	MAI	18.50	14.00	5.00	0.50	0.00	0.00	38.00
3	ASAN	7.50	3.00	0.50	0.00	0.00	0.00	11.00
4	CHAR	15.50	7.00	0.00	0.00	0.00	0.00	22.50
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	6.00	3.00	0.50	0.00	0.00	0.00	9.50
7	KENDU	11.50	3.00	0.50	0.00	0.00	0.00	15.00
8	KASHI	3.00	1.00	0.00	0.00	0.00	0.00	4.00
9	HARIDA	1.00	0.50	0.00	0.00	0.00	0.00	1.50
10	BAHADA	0.50	0.50	0.00	0.00	0.00	0.00	1.00
11	MAHULA	6.50	2.50	0.00	0.00	0.00	0.00	9.00
12	HALANDA	0.50	0.00	0.00	0.00	0.00	0.00	0.50
13	MUNDI	4.50	2.00	0.00	0.00	0.00	0.00	6.50
14	BELA	4.50	2.50	0.00	0.00	0.00	0.00	7.00
15	JAMUN	3.50	1.50	0.00	0.00	0.00	0.00	5.00
16	AMLA	2.00	0.50	0.00	0.00	0.00	0.00	2.50
17	BANDHAN	0.50	1.50	1.50	0.00	0.00	0.00	3.50
18	PIASAL	0.50	0.00	0.00	0.00	0.00	0.00	0.50
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.50	0.00	0.00	0.00	0.00	0.50
22	MISC.	105.00	66.50	24.00	6.50	2.00	0.50	204.50
	Total:	212.50	121.00	33.50	8.50	2.00	0.50	378.00

Forest Range: SORADA

No of Points: 1

Method: Sample Point

Forest Block: Dhaugam RF

Comp. No.: 2[b]

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	70.00	10.00	0.00	0.00	0.00	0.00	80.00
2	MAI	60.00	10.00	0.00	10.00	0.00	0.00	80.00
3	ASAN	0.00	10.00	0.00	0.00	0.00	0.00	10.00
4	CHAR	20.00	0.00	0.00	0.00	0.00	0.00	20.00
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	KENDU	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	KASHI	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	HARIDA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	BAHADA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	MAHULA	10.00	0.00	0.00	0.00	0.00	0.00	10.00
12	HALANDA	10.00	0.00	0.00	0.00	0.00	0.00	10.00
13	MUNDI	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	BELA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	JAMUN	30.00	0.00	0.00	0.00	0.00	0.00	30.00
16	AMLA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	BANDHAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	PIASAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	210.00	40.00	10.00	0.00	0.00	0.00	260.00
	Total:	410.00	70.00	10.00	10.00	0.00	0.00	500.00

**Sample Point Enumeration result (per Ha.) of Sorada Range
of Ghumsur South Division**

10

Forest Range: SORADA
Forest Block: Mundapita RF

No of Points: 4
Comp. No.: 1

Method: Sample Point
Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	10.00	5.00	2.50	0.00	0.00	0.00	17.50
2	MAI	12.50	2.50	2.50	0.00	0.00	0.00	17.50
3	ASAN	5.00	2.50	0.00	0.00	0.00	0.00	7.50
4	CHAR	10.00	7.50	0.00	0.00	0.00	0.00	17.50
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	KENDU	12.50	2.50	0.00	0.00	0.00	0.00	15.00
8	KASHI	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	HARIDA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	BAHADA	2.50	0.00	0.00	0.00	0.00	0.00	2.50
11	MAHULA	5.00	7.50	0.00	0.00	0.00	0.00	12.50
12	HALANDA	2.50	2.50	0.00	0.00	0.00	0.00	5.00
13	MUNDI	10.00	0.00	0.00	0.00	0.00	0.00	10.00
14	BELA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	JAMUN	2.50	0.00	0.00	0.00	0.00	0.00	2.50
16	AMLA	5.00	0.00	0.00	0.00	0.00	0.00	5.00
17	BANDHAN	0.00	0.00	2.50	0.00	0.00	0.00	2.50
18	PIASAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	52.50	40.00	15.00	10.00	0.00	0.00	117.50
	Total:	130.00	70.00	22.50	10.00	0.00	0.00	232.50

Forest Range: SORADA
Forest Block: Mundapita RF

No of Points: 8
Comp. No.: 2

Method: Sample Point
Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	8.75	3.75	1.25	0.00	0.00	0.00	13.75
2	MAI	11.25	0.00	1.25	0.00	0.00	0.00	12.50
3	ASAN	2.50	8.75	1.25	0.00	0.00	0.00	12.50
4	CHAR	7.50	3.75	0.00	0.00	0.00	0.00	11.25
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	2.50	1.25	0.00	0.00	0.00	0.00	3.75
7	KENDU	5.00	0.00	0.00	0.00	0.00	0.00	5.00
8	KASHI	1.25	0.00	0.00	0.00	0.00	0.00	1.25
9	HARIDA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	BAHADA	1.25	0.00	0.00	0.00	0.00	0.00	1.25
11	MAHULA	11.25	0.00	0.00	0.00	0.00	0.00	11.25
12	HALANDA	1.25	1.25	0.00	0.00	0.00	0.00	2.50
13	MUNDI	2.50	1.25	0.00	0.00	0.00	0.00	3.75
14	BELA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	JAMUN	2.50	1.25	1.25	0.00	0.00	0.00	5.00
16	AMLA	1.25	1.25	0.00	0.00	0.00	0.00	2.50
17	BANDHAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	PIASAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	51.25	30.00	12.50	6.25	2.50	0.00	102.50
	Total:	110.00	52.50	17.50	6.25	2.50	0.00	188.75

**Sample Point Enumeration result (per Ha.) of Sorada Range
of Ghumsur South Division**

10

Forest Range: SORADA
Forest Block: Mundapita RF

No of Points: 7
Comp. No.: 3

Method: Sample Point
Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	21.43	7.14	0.00	0.00	0.00	0.00	28.57
2	MAI	12.86	4.29	0.00	0.00	0.00	0.00	17.14
3	ASAN	4.29	2.86	0.00	0.00	0.00	0.00	7.14
4	CHAR	10.00	4.29	0.00	0.00	0.00	0.00	14.29
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	8.57	0.00	0.00	0.00	0.00	0.00	8.57
7	KENDU	14.29	2.86	0.00	0.00	0.00	0.00	17.14
8	KASHI	1.43	0.00	0.00	0.00	0.00	0.00	1.43
9	HARIDA	4.29	0.00	0.00	0.00	0.00	0.00	4.29
10	BAHADA	1.43	0.00	0.00	0.00	0.00	0.00	1.43
11	MAHULA	8.57	0.00	0.00	0.00	0.00	0.00	8.57
12	HALANDA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	MUNDI	10.00	1.43	0.00	0.00	0.00	0.00	11.43
14	BELA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	JAMUN	10.00	2.86	1.43	0.00	0.00	0.00	14.29
16	AMLA	4.29	2.86	0.00	0.00	0.00	0.00	7.14
17	BANDHAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	PIASAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	SISOO	2.86	1.43	0.00	0.00	0.00	0.00	4.29
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	1.43	0.00	1.43	0.00	2.86
22	MISC.	122.86	67.14	24.29	18.57	2.86	4.29	240.00
	Total:	237.14	97.14	27.14	18.57	4.29	4.29	388.57

Forest Range: SORADA
Forest Block: Mundapita RF

No of Points: 4
Comp. No.: 4

Method: Sample Point
Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	30.00	17.50	0.00	0.00	0.00	0.00	47.50
2	MAI	20.00	0.00	0.00	0.00	0.00	0.00	20.00
3	ASAN	7.50	15.00	0.00	0.00	0.00	0.00	22.50
4	CHAR	10.00	2.50	0.00	0.00	0.00	0.00	12.50
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	15.00	0.00	0.00	0.00	0.00	0.00	15.00
7	KENDU	2.50	12.50	0.00	0.00	0.00	0.00	15.00
8	KASHI	7.50	0.00	0.00	0.00	0.00	0.00	7.50
9	HARIDA	2.50	0.00	0.00	0.00	0.00	0.00	2.50
10	BAHADA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	MAHULA	12.50	5.00	0.00	0.00	0.00	0.00	17.50
12	HALANDA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	MUNDI	15.00	5.00	0.00	0.00	0.00	0.00	20.00
14	BELA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	JAMUN	7.50	0.00	0.00	0.00	0.00	0.00	7.50
16	AMLA	2.50	7.50	0.00	0.00	0.00	0.00	10.00
17	BANDHAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	PIASAL	0.00	5.00	0.00	0.00	0.00	0.00	5.00
19	SISOO	2.50	0.00	0.00	0.00	0.00	0.00	2.50
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	165.00	82.50	22.50	15.00	2.50	2.50	290.00
	Total:	300.00	152.50	22.50	15.00	2.50	2.50	495.00

**Sample Point Enumeration result (per Ha.) of Sorada Range
of Ghumsur South Division**

10

Forest Range: SORADA
Forest Block: Pipalpanka RF

No of Points: 12
Comp. No.: 1

Method: Sample Point
Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	75.00	14.17	4.17	0.00	0.00	0.00	93.33
2	MAI	25.00	13.33	4.17	0.83	0.00	0.00	43.33
3	ASAN	6.67	0.83	0.00	0.00	0.00	0.00	7.50
4	CHAR	25.00	0.83	0.00	0.00	0.00	0.00	25.83
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	0.83	2.50	0.00	0.00	0.00	0.00	3.33
7	KENDU	21.67	2.50	0.00	0.00	0.00	0.00	24.17
8	KASHI	13.33	2.50	0.83	0.00	0.00	0.00	16.67
9	HARIDA	1.67	1.67	0.00	0.00	0.00	0.00	3.33
10	BAHADA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	MAHULA	0.83	0.00	0.00	0.00	0.00	0.00	0.83
12	HALANDA	20.83	1.67	0.00	0.00	0.00	0.00	22.50
13	MUNDI	1.67	0.00	0.00	0.00	0.00	0.00	1.67
14	BELA	6.67	0.83	0.00	0.00	0.00	0.00	7.50
15	JAMUN	2.50	0.00	0.00	0.00	0.00	0.00	2.50
16	AMLA	2.50	0.00	0.00	0.00	0.00	0.00	2.50
17	BANDHAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	PIASAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	SISOO	1.67	0.00	0.00	0.00	0.00	0.00	1.67
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	171.67	24.17	0.00	0.00	0.00	0.00	195.83
	Total:	377.50	65.00	9.17	0.83	0.00	0.00	452.50

Forest Range: SORADA
Forest Block: Pipalpanka RF

No of Points: 7
Comp. No.: 2

Method: Sample Point
Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	245.71	50.00	20.00	1.43	0.00	0.00	317.14
2	MAI	12.86	1.43	2.86	1.43	0.00	0.00	18.57
3	ASAN	11.43	1.43	0.00	0.00	1.43	0.00	14.29
4	CHAR	14.29	1.43	0.00	0.00	0.00	0.00	15.71
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	0.00	1.43	1.43	0.00	0.00	0.00	2.86
7	KENDU	8.57	4.29	0.00	0.00	0.00	0.00	12.86
8	KASHI	5.71	0.00	1.43	0.00	0.00	0.00	7.14
9	HARIDA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	BAHADA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	MAHULA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	HALANDA	5.71	2.86	0.00	0.00	0.00	0.00	8.57
13	MUNDI	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	BELA	4.29	1.43	0.00	0.00	0.00	0.00	5.71
15	JAMUN	1.43	0.00	0.00	0.00	0.00	0.00	1.43
16	AMLA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	BANDHAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	PIASAL	2.86	0.00	0.00	0.00	0.00	0.00	2.86
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	1.43	1.43
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	115.71	27.14	5.71	2.86	1.43	0.00	152.86
	Total:	428.57	91.43	31.43	5.71	2.86	1.43	561.43

**Sample Point Enumeration result (per Ha.) of Sorada Range
of Ghumsur South Division**

10

Forest Range: SORADA
Forest Block: Pipalpanka RF

No of Points: 8
Comp. No.: 3

Method: Sample Point
Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	46.25	15.00	3.75	0.00	0.00	0.00	65.00
2	MAI	27.50	18.75	7.50	0.00	0.00	0.00	53.75
3	ASAN	2.50	0.00	0.00	0.00	0.00	0.00	2.50
4	CHAR	12.50	0.00	0.00	0.00	0.00	0.00	12.50
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	3.75	3.75	0.00	0.00	0.00	0.00	7.50
7	KENDU	8.75	3.75	0.00	0.00	0.00	0.00	12.50
8	KASHI	23.75	10.00	0.00	0.00	0.00	0.00	33.75
9	HARIDA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	BAHADA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	MAHULA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	HALANDA	8.75	2.50	0.00	0.00	0.00	0.00	11.25
13	MUNDI	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	BELA	2.50	0.00	0.00	0.00	0.00	0.00	2.50
15	JAMUN	6.25	2.50	0.00	0.00	0.00	0.00	8.75
16	AMLA	1.25	0.00	0.00	0.00	0.00	0.00	1.25
17	BANDHAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	PIASAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	SISOO	3.75	0.00	0.00	0.00	0.00	0.00	3.75
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	165.00	45.00	8.75	0.00	0.00	0.00	218.75
	Total:	312.50	101.25	20.00	0.00	0.00	0.00	433.75

Forest Range: SORADA
Forest Block: Pipalpanka RF

No of Points: 2
Comp. No.: 4

Method: Sample Point
Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	55.00	20.00	5.00	0.00	0.00	0.00	80.00
2	MAI	30.00	15.00	5.00	0.00	0.00	0.00	50.00
3	ASAN	10.00	0.00	0.00	0.00	0.00	0.00	10.00
4	CHAR	20.00	5.00	0.00	0.00	0.00	0.00	25.00
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	0.00	5.00	0.00	0.00	0.00	0.00	5.00
7	KENDU	20.00	0.00	0.00	0.00	0.00	0.00	20.00
8	KASHI	20.00	10.00	0.00	0.00	0.00	0.00	30.00
9	HARIDA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	BAHADA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	MAHULA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	HALANDA	10.00	5.00	0.00	0.00	0.00	0.00	15.00
13	MUNDI	5.00	5.00	0.00	0.00	0.00	0.00	10.00
14	BELA	5.00	0.00	0.00	0.00	0.00	0.00	5.00
15	JAMUN	10.00	0.00	0.00	0.00	0.00	0.00	10.00
16	AMLA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	BANDHAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	PIASAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	170.00	45.00	10.00	0.00	0.00	0.00	225.00
	Total:	355.00	110.00	20.00	0.00	0.00	0.00	485.00

**Sample Point Enumeration result (per Ha.) of Sorada Range
of Ghumsur South Division**

10

Forest Range: SORADA

No of Points: 4

Method: Sample Point

Forest Block: Pipalpanka RF

Comp. No.: 6

Point area: 1000 (in Sqm.)

Sl. No.	Species Name	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	37.50	15.00	5.00	0.00	0.00	0.00	57.50
2	MAI	30.00	22.50	5.00	0.00	0.00	0.00	57.50
3	ASAN	5.00	0.00	0.00	0.00	0.00	0.00	5.00
4	CHAR	25.00	7.50	0.00	0.00	0.00	0.00	32.50
5	GAMBHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KUSUM	7.50	5.00	0.00	0.00	0.00	0.00	12.50
7	KENDU	25.00	5.00	0.00	0.00	0.00	0.00	30.00
8	KASHI	12.50	7.50	0.00	0.00	0.00	0.00	20.00
9	HARIDA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	BAHADA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	MAHULA	2.50	2.50	0.00	0.00	0.00	0.00	5.00
12	HALANDA	17.50	0.00	0.00	0.00	0.00	0.00	17.50
13	MUNDI	5.00	0.00	0.00	0.00	0.00	0.00	5.00
14	BELA	7.50	2.50	0.00	0.00	0.00	0.00	10.00
15	JAMUN	5.00	0.00	0.00	0.00	0.00	0.00	5.00
16	AMLA	2.50	0.00	0.00	0.00	0.00	0.00	2.50
17	BANDHAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	PIASAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	SISOO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	TAMARIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	MANGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MISC.	177.50	57.50	5.00	0.00	0.00	0.00	240.00
	Total:	360.00	125.00	15.00	0.00	0.00	0.00	500.00

APPENDIX – XVI

ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Malijhar-I DPF

Total no of Compt.: 1

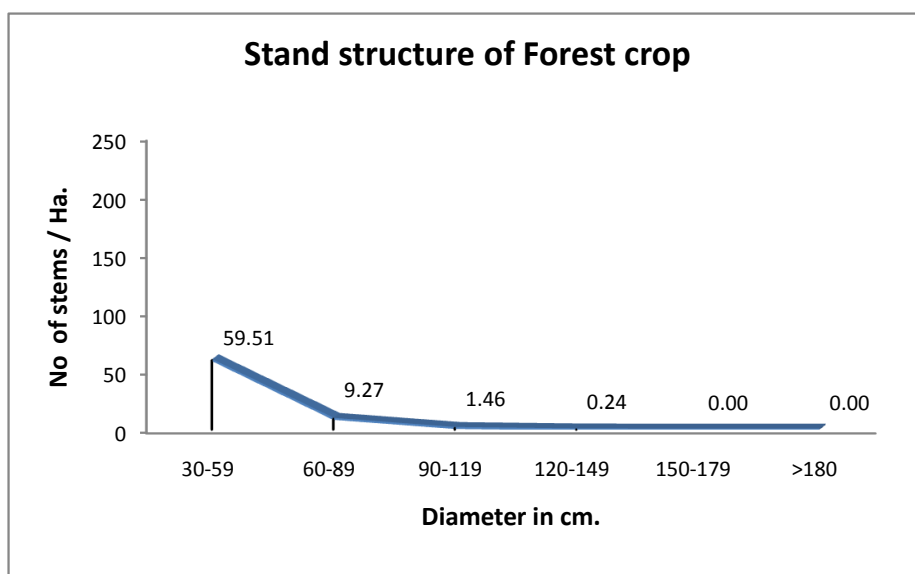
Range: Aska

Total Compt. area: 410.00

% of Enum.: 01

Total area Enum.: 4.10

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Piasal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Mundi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Kashi	0.73	0.24	0.00	0.00	0.00	0.00	0.98	1.38
9	Asan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Mai	14.39	2.44	0.98	0.24	0.00	0.00	18.05	25.61
11	Mahula	4.15	1.95	0.00	0.00	0.00	0.00	6.10	8.65
12	Mango	1.22	0.73	0.49	0.00	0.00	0.00	2.44	3.46
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	0.98	0.00	0.00	0.00	0.00	0.00	0.98	1.38
15	Char	3.66	0.73	0.00	0.00	0.00	0.00	4.39	6.23
16	Kendu	6.83	0.98	0.00	0.00	0.00	0.00	7.80	11.07
17	Bahada	1.71	0.00	0.00	0.00	0.00	0.00	1.71	2.42
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Bela	5.37	0.24	0.00	0.00	0.00	0.00	5.61	7.96
21	Jamun	1.22	0.00	0.00	0.00	0.00	0.00	1.22	1.73
22	Misc.	19.27	1.95	0.00	0.00	0.00	0.00	21.22	30.10
	TOTAL:	59.51	9.27	1.46	0.24	0.00	0.00	70.49	100.00
	% (Ha.)	84.43	13.15	2.08	0.35	0.00	0.00	100.00	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Malijhar-II DPF

Total no of Compt.: 6

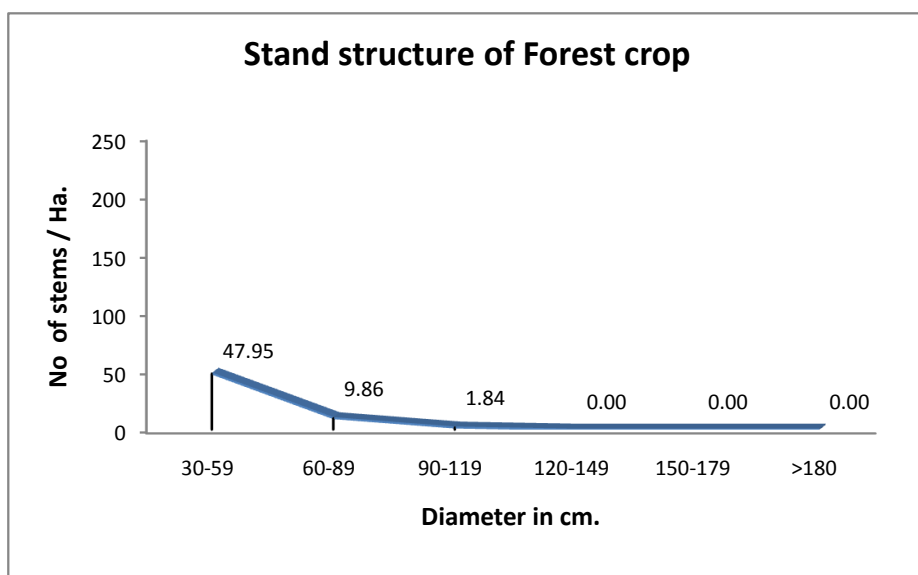
Range: Aska

Total Compt. area: 1735.00

% of Enum.: 01

Total area Enum.: 17.35

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Piasal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.23	0.00	0.00	0.00	0.00	0.00	0.23	18.90
5	Gambhar	0.23	0.00	0.00	0.00	0.00	0.00	0.23	18.90
6	Halanda	1.21	0.23	0.12	0.00	0.00	0.00	1.56	127.61
7	Mundi	1.04	0.17	0.00	0.00	0.00	0.00	1.21	99.25
8	Kashi	1.10	0.12	0.00	0.00	0.00	0.00	1.21	99.25
9	Asan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Mai	5.24	1.96	0.81	0.00	0.00	0.00	8.01	656.95
11	Mahula	5.36	2.13	0.46	0.00	0.00	0.00	7.95	652.22
12	Mango	1.38	0.23	0.00	0.00	0.00	0.00	1.61	132.33
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	2.71	0.46	0.00	0.00	0.00	0.00	3.17	259.94
15	Char	2.54	0.46	0.00	0.00	0.00	0.00	3.00	245.76
16	Kendu	4.90	0.86	0.00	0.00	0.00	0.00	5.76	472.62
17	Bahada	0.40	0.12	0.00	0.00	0.00	0.00	0.52	42.54
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Bela	6.05	1.04	0.12	0.00	0.00	0.00	7.20	590.78
21	Jamun	0.75	0.06	0.00	0.00	0.00	0.00	0.81	66.17
22	Misc.	14.81	2.02	0.35	0.00	0.00	0.00	17.18	1408.41
	TOTAL:	47.95	9.86	1.84	0.00	0.00	0.00	59.65	4891.64
	% (Ha.)	3932.22	808.18	151.24	0.00	0.00	0.00	4891.64	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Ambadaban DPF

Total no of Compt.: 3

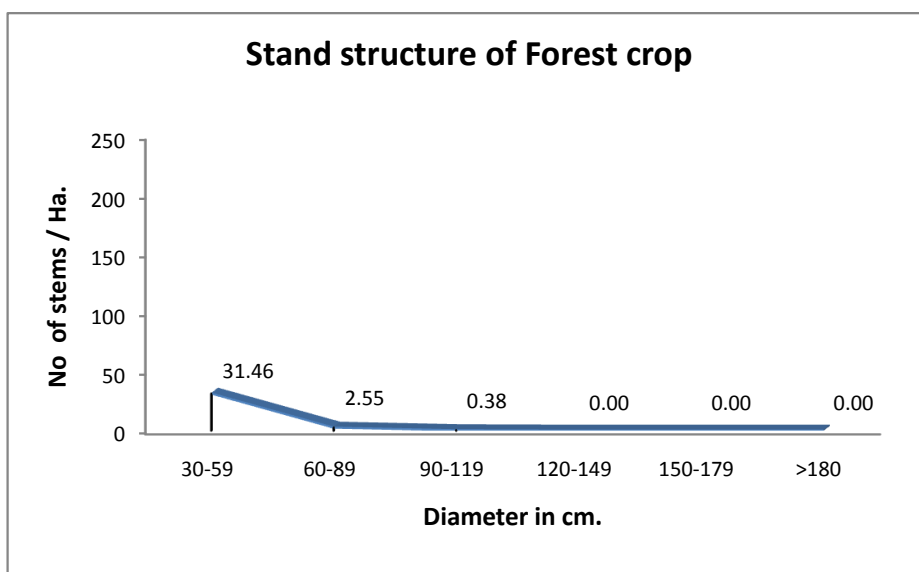
Range: Aska

Total Compt. area: 785.00

% of Enum.: 01

Total area Enum.: 7.85

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Piasal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Mundi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Kashi	0.25	0.00	0.00	0.00	0.00	0.00	0.25	20.89
9	Asan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Mai	2.80	0.13	0.00	0.00	0.00	0.00	2.93	240.25
11	Mahula	2.68	0.00	0.00	0.00	0.00	0.00	2.68	219.36
12	Mango	0.76	0.25	0.00	0.00	0.00	0.00	1.02	83.57
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	1.02	0.00	0.00	0.00	0.00	0.00	1.02	83.57
15	Char	0.64	0.00	0.00	0.00	0.00	0.00	0.64	52.23
16	Kendu	3.31	0.00	0.00	0.00	0.00	0.00	3.31	271.59
17	Bahada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Bela	6.24	0.00	0.00	0.00	0.00	0.00	6.24	511.85
21	Jamun	2.29	0.76	0.38	0.00	0.00	0.00	3.44	282.04
22	Misc.	11.46	1.40	0.00	0.00	0.00	0.00	12.87	1055.03
	TOTAL:	31.46	2.55	0.38	0.00	0.00	0.00	34.39	2820.38
	% (Ha.)	2580.13	208.92	31.34	0.00	0.00	0.00	2820.38	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Pakidi DPF

Total no of Compt.: 10

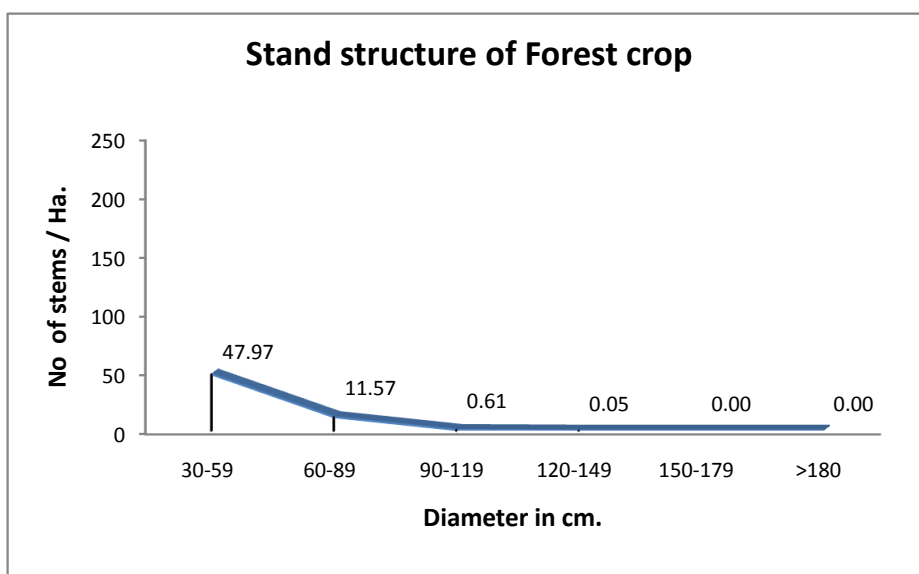
Range: Aska

Total Compt. area: 1970.00

% of Enum.: 01

Total area Enum.: 19.70

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Piasal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Mundi	0.10	0.00	0.00	0.00	0.00	0.00	0.10	8.32
8	Kashi	0.46	0.00	0.00	0.00	0.00	0.00	0.46	37.46
9	Asan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Mai	8.88	0.91	0.36	0.00	0.00	0.00	10.15	832.49
11	Mahula	4.06	0.36	0.00	0.00	0.00	0.00	4.42	362.13
12	Mango	1.47	0.56	0.15	0.05	0.00	0.00	2.23	183.15
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	2.69	0.00	0.00	0.00	0.00	0.00	2.69	220.61
15	Char	1.27	0.05	0.00	0.00	0.00	0.00	1.32	108.22
16	Kendu	7.46	0.15	0.00	0.00	0.00	0.00	7.61	624.37
17	Bahada	0.25	0.00	0.00	0.00	0.00	0.00	0.25	20.81
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Bela	3.65	0.00	0.00	0.00	0.00	0.00	3.65	299.70
21	Jamun	0.66	0.25	0.10	0.00	0.00	0.00	1.02	83.25
22	Misc.	17.01	9.29	0.00	0.00	0.00	0.00	26.29	2156.14
	TOTAL:	47.97	11.57	0.61	0.05	0.00	0.00	60.20	4936.65
	% (Ha.)	3933.50	949.04	49.95	4.16	0.00	0.00	4936.65	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Gadagada DPF

Total no of Compt.: 3

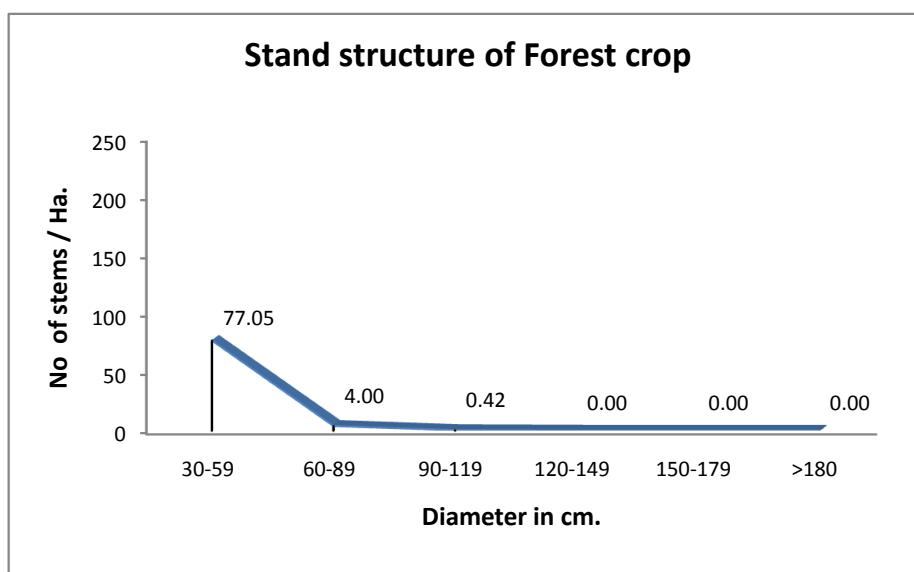
Range: Aska

Total Compt. area: 475.00

% of Enum.: 01

Total area Enum.: 4.75

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Piasal	6.11	0.42	0.00	0.00	0.00	0.00	6.53	535.16
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.21	0.00	0.00	0.00	0.00	0.00	0.21	17.26
7	Mundi	0.84	0.00	0.00	0.00	0.00	0.00	0.84	69.05
8	Kashi	1.47	0.00	0.00	0.00	0.00	0.00	1.47	120.84
9	Asan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Mai	11.16	1.89	0.42	0.00	0.00	0.00	13.47	1104.84
11	Mahula	9.05	0.21	0.00	0.00	0.00	0.00	9.26	759.58
12	Mango	2.11	0.42	0.00	0.00	0.00	0.00	2.53	207.16
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	2.11	0.00	0.00	0.00	0.00	0.00	2.11	172.63
15	Char	10.53	0.21	0.00	0.00	0.00	0.00	10.74	880.42
16	Kendu	8.00	0.00	0.00	0.00	0.00	0.00	8.00	656.00
17	Bahada	1.26	0.00	0.00	0.00	0.00	0.00	1.26	103.58
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Bela	4.00	0.00	0.00	0.00	0.00	0.00	4.00	328.00
21	Jamun	1.05	0.00	0.00	0.00	0.00	0.00	1.05	86.32
22	Misc.	19.16	0.84	0.00	0.00	0.00	0.00	20.00	1640.00
	TOTAL:	77.05	4.00	0.42	0.00	0.00	0.00	81.47	6680.84
	% (Ha.)	6318.32	328.00	34.53	0.00	0.00	0.00	6680.84	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Kansa DPF

Total no of Compt.: 1

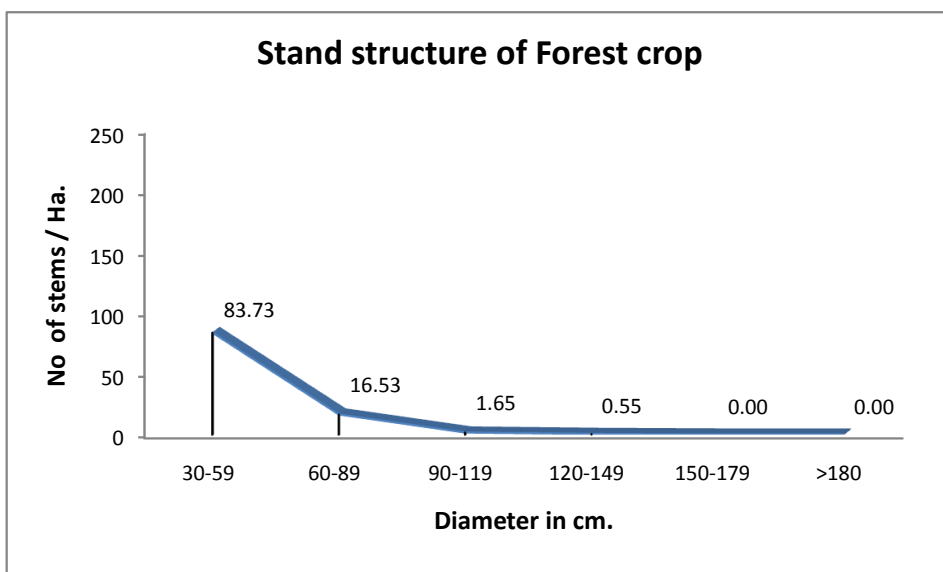
Range: Aska

Total Compt. area: 181.53

% of Enum.: 01

Total area Enum.: 1.82

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Piasal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Sisoo	8.81	2.20	0.00	0.00	0.00	0.00	11.02	903.43
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	2.75	0.00	0.00	0.00	0.00	0.00	2.75	225.86
7	Mundi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Kashi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Asan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Mai	9.92	2.20	1.10	0.55	0.00	0.00	13.77	1129.29
11	Mahula	7.71	2.75	0.55	0.00	0.00	0.00	11.02	903.43
12	Mango	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	3.86	0.00	0.00	0.00	0.00	0.00	3.86	316.20
15	Char	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	Kendu	6.06	0.55	0.00	0.00	0.00	0.00	6.61	542.06
17	Bahada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Bela	6.06	2.20	0.00	0.00	0.00	0.00	8.26	677.57
21	Jamun	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	Misc.	38.56	6.61	0.00	0.00	0.00	0.00	45.17	3704.07
	TOTAL:	83.73	16.53	1.65	0.55	0.00	0.00	102.46	8401.92
	% (Ha.)	6866.08	1355.15	135.51	45.17	0.00	0.00	8401.92	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Chemidi DPF

Total no of Compt.: 6

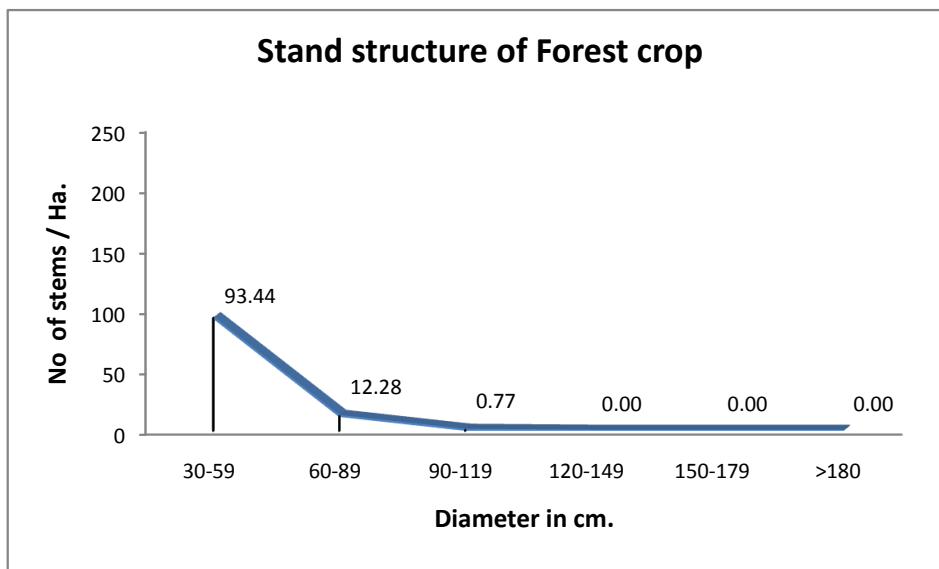
Range: Aska

Total Compt. area: 1295.00

% of Enum.: 01

Total area Enum.: 12.95

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	11.74	3.32	0.00	0.00	0.00	0.00	15.06	1234.75
2	Piasal	1.78	0.39	0.00	0.00	0.00	0.00	2.16	177.30
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.31	0.00	0.00	0.00	0.00	0.00	0.31	25.33
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.39	0.00	0.00	0.00	0.00	0.00	0.39	31.66
7	Mundi	0.77	0.08	0.00	0.00	0.00	0.00	0.85	69.65
8	Kashi	2.63	0.00	0.00	0.00	0.00	0.00	2.63	215.29
9	Asan	0.23	0.00	0.00	0.00	0.00	0.00	0.23	19.00
10	Mai	7.10	2.01	0.54	0.00	0.00	0.00	9.65	791.51
11	Mahula	12.12	1.78	0.08	0.00	0.00	0.00	13.98	1146.10
12	Mango	2.24	0.31	0.15	0.00	0.00	0.00	2.70	221.62
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	3.32	0.15	0.00	0.00	0.00	0.00	3.47	284.94
15	Char	12.90	2.01	0.00	0.00	0.00	0.00	14.90	1222.08
16	Kendu	8.03	0.69	0.00	0.00	0.00	0.00	8.73	715.52
17	Bahada	1.93	0.08	0.00	0.00	0.00	0.00	2.01	164.63
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Bela	4.86	0.39	0.00	0.00	0.00	0.00	5.25	430.58
21	Jamun	0.85	0.15	0.00	0.00	0.00	0.00	1.00	82.32
22	Misc.	22.24	0.93	0.00	0.00	0.00	0.00	23.17	1899.61
	TOTAL:	93.44	12.28	0.77	0.00	0.00	0.00	106.49	8731.89
	% (Ha.)	7661.78	1006.80	63.32	0.00	0.00	0.00	8731.89	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Machakhai DPF

Total no of Compt.: 2

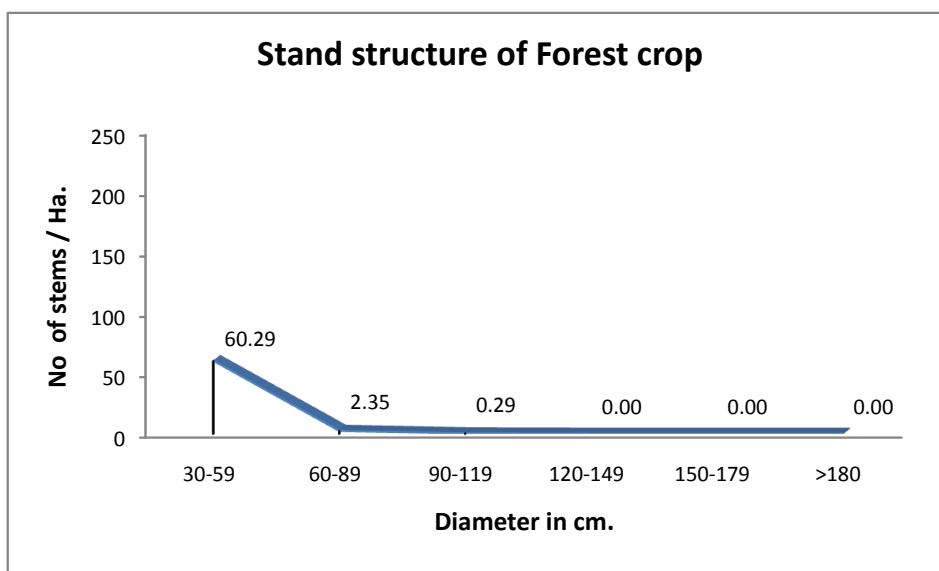
Range: Aska

Total Compt. area: 340.00

% of Enum.: 01

Total area Enum.: 3.40

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Piasal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.59	0.00	0.00	0.00	0.00	0.00	0.59	48.24
7	Mundi	0.29	0.00	0.00	0.00	0.00	0.00	0.29	24.12
8	Kashi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Asan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Mai	11.18	0.59	0.00	0.00	0.00	0.00	11.76	964.71
11	Mahula	6.47	0.00	0.00	0.00	0.00	0.00	6.47	530.59
12	Mango	2.06	0.29	0.29	0.00	0.00	0.00	2.65	217.06
13	Tamarind	0.29	0.00	0.00	0.00	0.00	0.00	0.29	24.12
14	Amla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	Char	4.12	0.00	0.00	0.00	0.00	0.00	4.12	337.65
16	Kendu	5.59	0.00	0.00	0.00	0.00	0.00	5.59	458.24
17	Bahada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Bela	2.06	0.00	0.00	0.00	0.00	0.00	2.06	168.82
21	Jamun	0.29	0.00	0.00	0.00	0.00	0.00	0.29	24.12
22	Misc.	27.35	1.47	0.00	0.00	0.00	0.00	28.82	2363.53
	TOTAL:	60.29	2.35	0.29	0.00	0.00	0.00	62.94	5161.18
	% (Ha.)	4944.12	192.94	24.12	0.00	0.00	0.00	5161.18	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Hatimunda DPF

Total no of Compt.: 3

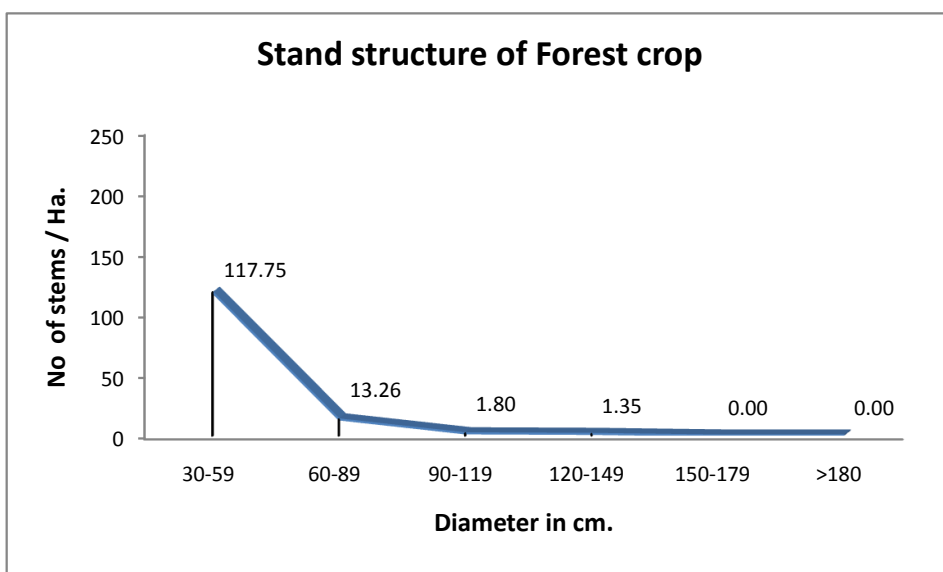
Range: Aska

Total Compt. area: 445.00

% of Enum.: 01

Total area Enum.: 4.45

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	9.66	0.90	0.00	0.00	0.00	0.00	10.56	866.07
2	Piasal	1.57	0.00	0.00	0.00	0.00	0.00	1.57	128.99
3	Sisoo	6.29	0.67	0.00	0.00	0.00	0.00	6.97	571.24
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	6.29	0.90	0.00	0.00	0.00	0.00	7.19	589.66
6	Halanda	1.12	0.00	0.00	0.00	0.00	0.00	1.12	92.13
7	Mundi	1.57	0.00	0.00	0.00	0.00	0.00	1.57	128.99
8	Kashi	6.52	0.90	0.22	0.00	0.00	0.00	7.64	626.52
9	Asan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Mai	15.06	4.72	0.67	1.12	0.00	0.00	21.57	1768.99
11	Mahula	12.13	2.02	0.00	0.00	0.00	0.00	14.16	1160.90
12	Mango	4.94	0.22	0.67	0.22	0.00	0.00	6.07	497.53
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	4.04	0.00	0.00	0.00	0.00	0.00	4.04	331.69
15	Char	11.91	0.22	0.00	0.00	0.00	0.00	12.13	995.06
16	Kendu	10.34	0.22	0.00	0.00	0.00	0.00	10.56	866.07
17	Bahada	2.02	0.00	0.00	0.00	0.00	0.00	2.02	165.84
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Bela	5.84	0.00	0.00	0.00	0.00	0.00	5.84	479.10
21	Jamun	1.12	0.00	0.00	0.00	0.00	0.00	1.12	92.13
22	Misc.	17.30	2.47	0.22	0.00	0.00	0.00	20.00	1640.00
	TOTAL:	117.75	13.26	1.80	1.35	0.00	0.00	134.16	11000.90
	% (Ha.)	9655.73	1087.19	147.42	110.56	0.00	0.00	11000.90	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Badadanda DPF

Total no of Compt.: 1

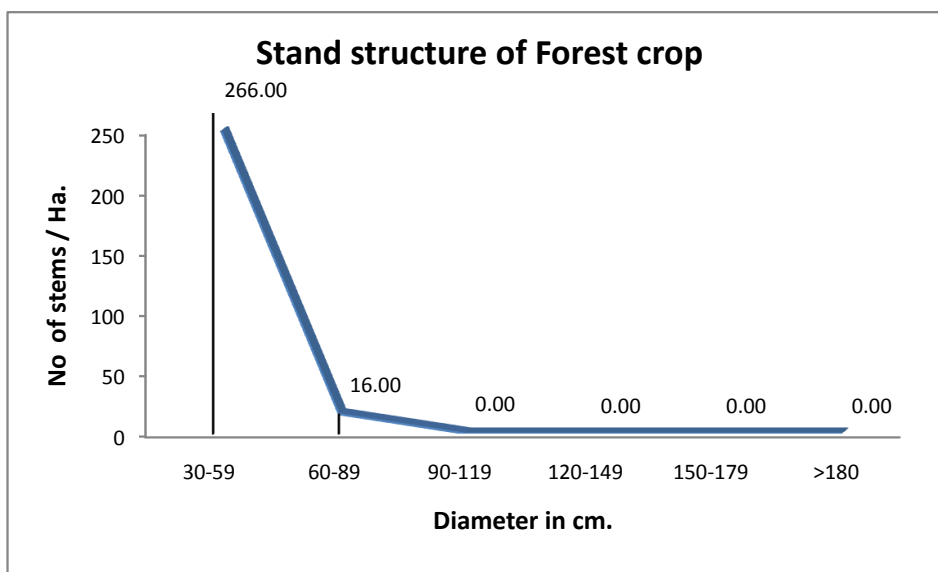
Range: Aska

Total Compt. area: 50.00

% of Enum.: 01

Total area Enum.: 0.50

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	50.00	8.00	0.00	0.00	0.00	0.00	58.00	4756.00
2	Piasal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Mundi	6.00	0.00	0.00	0.00	0.00	0.00	6.00	492.00
8	Kashi	16.00	4.00	0.00	0.00	0.00	0.00	20.00	1640.00
9	Asan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Mai	50.00	0.00	0.00	0.00	0.00	0.00	50.00	4100.00
11	Mahula	24.00	0.00	0.00	0.00	0.00	0.00	24.00	1968.00
12	Mango	6.00	2.00	0.00	0.00	0.00	0.00	8.00	656.00
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	2.00	0.00	0.00	0.00	0.00	0.00	2.00	164.00
15	Char	14.00	0.00	0.00	0.00	0.00	0.00	14.00	1148.00
16	Kendu	24.00	2.00	0.00	0.00	0.00	0.00	26.00	2132.00
17	Bahada	6.00	0.00	0.00	0.00	0.00	0.00	6.00	492.00
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Bela	12.00	0.00	0.00	0.00	0.00	0.00	12.00	984.00
21	Jamun	4.00	0.00	0.00	0.00	0.00	0.00	4.00	328.00
22	Misc.	52.00	0.00	0.00	0.00	0.00	0.00	52.00	4264.00
	TOTAL:	266.00	16.00	0.00	0.00	0.00	0.00	282.00	23124.00
	% (Ha.)	21812.00	1312.00	0.00	0.00	0.00	0.00	23124.00	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Chapudia DPF

Total no of Compt.: 1

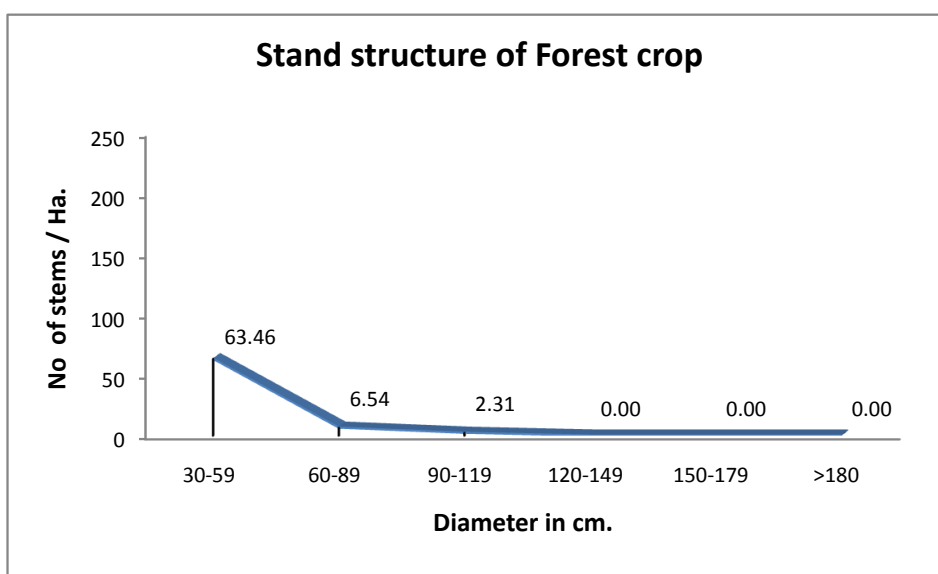
Range: Aska

Total Compt. area: 260.00

% of Enum.: 01

Total area Enum.: 2.60

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Piasal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	3.85	0.00	0.00	0.00	0.00	0.00	3.85	315.38
7	Mundi	1.15	0.00	0.00	0.00	0.00	0.00	1.15	94.62
8	Kashi	2.69	0.00	0.00	0.00	0.00	0.00	2.69	220.77
9	Asan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Mai	20.00	4.23	1.15	0.00	0.00	0.00	25.38	2081.54
11	Mahula	11.54	1.15	0.00	0.00	0.00	0.00	12.69	1040.77
12	Mango	1.92	0.38	0.77	0.00	0.00	0.00	3.08	252.31
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	1.15	0.00	0.00	0.00	0.00	0.00	1.15	94.62
15	Char	1.92	0.00	0.00	0.00	0.00	0.00	1.92	157.69
16	Kendu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	Bahada	1.15	0.00	0.00	0.00	0.00	0.00	1.15	94.62
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Bela	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	Jamun	2.69	0.77	0.38	0.00	0.00	0.00	3.85	315.38
22	Misc.	15.38	0.00	0.00	0.00	0.00	0.00	15.38	1261.54
	TOTAL:	63.46	6.54	2.31	0.00	0.00	0.00	72.31	5929.23
	% (Ha.)	5203.85	536.15	189.23	0.00	0.00	0.00	5929.23	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Rasibadi DPF

Total no of Compt.: 1

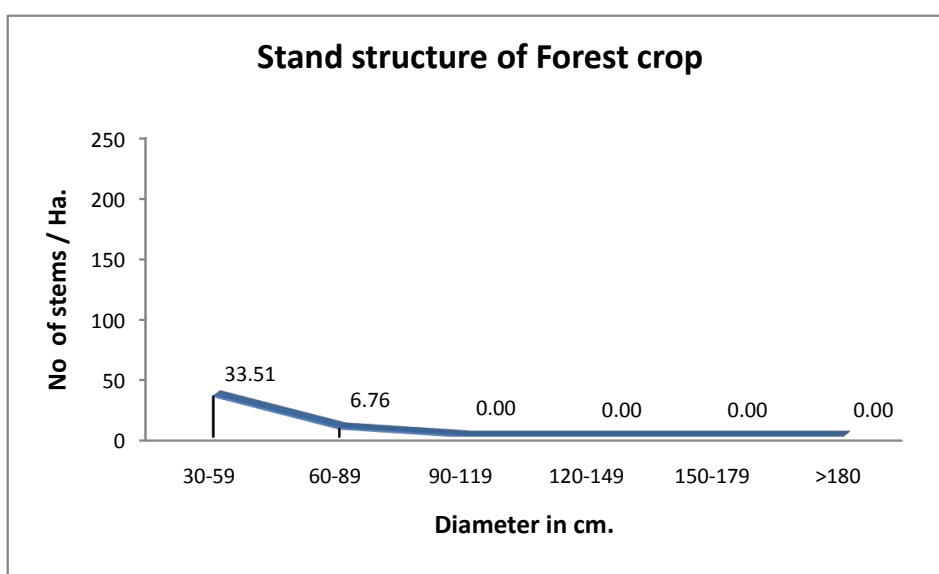
Range: Aska

Total Compt. area: 370.00

% of Enum.: 01

Total area Enum.: 3.70

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Piasal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Mundi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Kashi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Asan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Mai	6.76	0.00	0.00	0.00	0.00	0.00	6.76	554.05
11	Mahula	4.05	0.54	0.00	0.00	0.00	0.00	4.59	376.76
12	Mango	1.89	0.27	0.00	0.00	0.00	0.00	2.16	177.30
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	0.54	0.00	0.00	0.00	0.00	0.00	0.54	44.32
15	Char	1.35	0.00	0.00	0.00	0.00	0.00	1.35	110.81
16	Kendu	4.05	0.00	0.00	0.00	0.00	0.00	4.05	332.43
17	Bahada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Bela	2.70	0.27	0.00	0.00	0.00	0.00	2.97	243.78
21	Jamun	0.81	0.00	0.00	0.00	0.00	0.00	0.81	66.49
22	Misc.	11.35	5.68	0.00	0.00	0.00	0.00	17.03	1396.22
	TOTAL:	33.51	6.76	0.00	0.00	0.00	0.00	40.27	3302.16
	% (Ha.)	2748.11	554.05	0.00	0.00	0.00	0.00	3302.16	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Suliaguda DPF

Total no of Compt.: 4

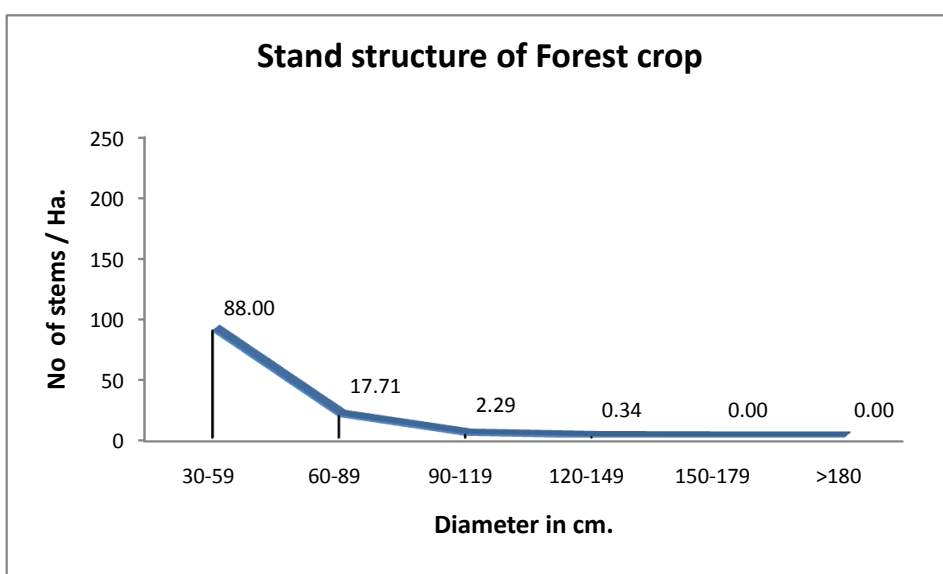
Range: Aska

Total Compt. area: 875.00

% of Enum.: 01

Total area Enum.: 8.75

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Piasal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.23	0.00	0.00	0.00	0.00	0.00	0.23	18.74
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	1.71	0.00	0.00	0.00	0.00	0.00	1.71	140.57
7	Mundi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Kashi	0.34	0.00	0.00	0.00	0.00	0.00	0.34	28.11
9	Asan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Mai	17.83	5.37	0.69	0.00	0.00	0.00	23.89	1958.63
11	Mahula	9.14	1.60	0.00	0.00	0.00	0.00	10.74	880.91
12	Mango	4.23	2.06	0.91	0.34	0.00	0.00	7.54	618.51
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	2.74	0.00	0.00	0.00	0.00	0.00	2.74	224.91
15	Char	0.91	0.00	0.00	0.00	0.00	0.00	0.91	74.97
16	Kendu	6.51	0.11	0.00	0.00	0.00	0.00	6.63	543.54
17	Bahada	1.49	0.00	0.00	0.00	0.00	0.00	1.49	121.83
18	Harida	0.69	0.00	0.00	0.00	0.00	0.00	0.69	56.23
19	Kusum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Bela	8.69	0.34	0.00	0.00	0.00	0.00	9.03	740.34
21	Jamun	4.69	0.91	0.46	0.00	0.00	0.00	6.06	496.69
22	Misc.	28.80	7.31	0.23	0.00	0.00	0.00	36.34	2980.11
	TOTAL:	88.00	17.71	2.29	0.34	0.00	0.00	108.34	8884.11
	% (Ha.)	7216.00	1452.57	187.43	28.11	0.00	0.00	8884.11	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Bhuindimiripalli PRF

Total no of Compt.: 1

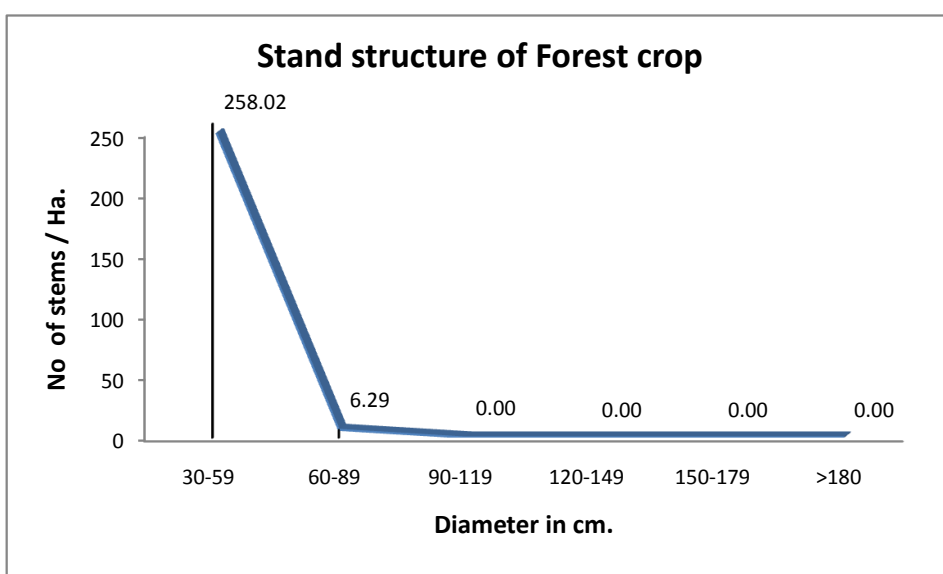
Range: Aska

Total Compt. area: 15.89

% of Enum.: 01

Total area Enum.: 0.16

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Piasal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Mundi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Kashi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Asan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Mai	31.47	0.00	0.00	0.00	0.00	0.00	31.47	2580.24
11	Mahula	18.88	0.00	0.00	0.00	0.00	0.00	18.88	1548.14
12	Mango	6.29	0.00	0.00	0.00	0.00	0.00	6.29	516.05
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	6.29	0.00	0.00	0.00	0.00	0.00	6.29	516.05
15	Char	12.59	0.00	0.00	0.00	0.00	0.00	12.59	1032.10
16	Kendu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	Bahada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Bela	18.88	0.00	0.00	0.00	0.00	0.00	18.88	1548.14
21	Jamun	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	Misc.	163.62	6.29	0.00	0.00	0.00	0.00	169.92	13933.29
	TOTAL:	258.02	6.29	0.00	0.00	0.00	0.00	264.32	21674.01
	% (Ha.)	21157.96	516.05	0.00	0.00	0.00	0.00	21674.01	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Badua PRF

Total no of Compt.: 1

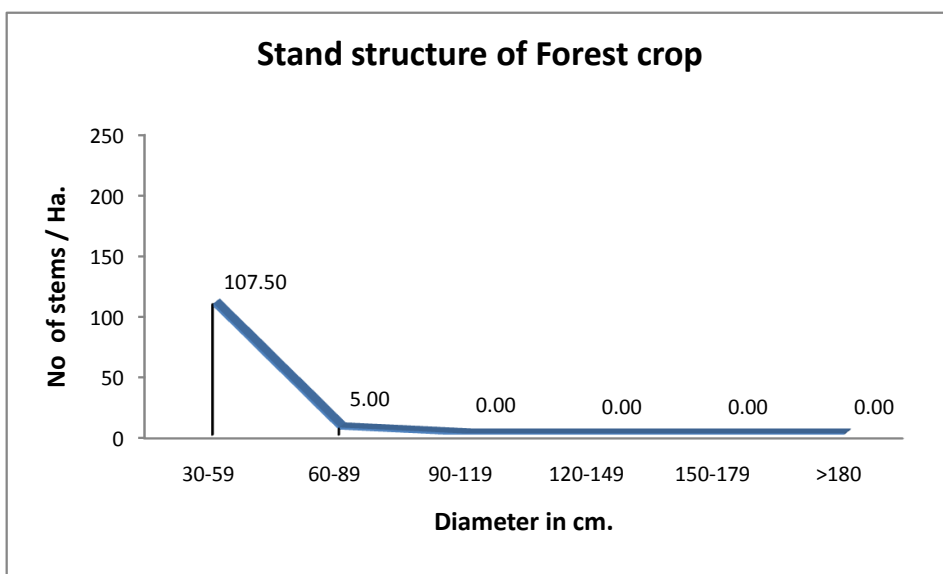
Range: Aska

Total Compt. area: 80.00

% of Enum.: 01

Total area Enum.: 0.80

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Piasal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Sisoo	8.75	0.00	0.00	0.00	0.00	0.00	8.75	717.50
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Mundi	5.00	0.00	0.00	0.00	0.00	0.00	5.00	410.00
8	Kashi	5.00	0.00	0.00	0.00	0.00	0.00	5.00	410.00
9	Asan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Mai	13.75	0.00	0.00	0.00	0.00	0.00	13.75	1127.50
11	Mahula	13.75	1.25	0.00	0.00	0.00	0.00	15.00	1230.00
12	Mango	2.50	0.00	0.00	0.00	0.00	0.00	2.50	205.00
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	3.75	0.00	0.00	0.00	0.00	0.00	3.75	307.50
15	Char	16.25	0.00	0.00	0.00	0.00	0.00	16.25	1332.50
16	Kendu	12.50	0.00	0.00	0.00	0.00	0.00	12.50	1025.00
17	Bahada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Bela	10.00	0.00	0.00	0.00	0.00	0.00	10.00	820.00
21	Jamun	2.50	0.00	0.00	0.00	0.00	0.00	2.50	205.00
22	Misc.	13.75	3.75	0.00	0.00	0.00	0.00	17.50	1435.00
	TOTAL:	107.50	5.00	0.00	0.00	0.00	0.00	112.50	9225.00
	% (Ha.)	8815.00	410.00	0.00	0.00	0.00	0.00	9225.00	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Gauduni PRF

Total no of Compt.: 2

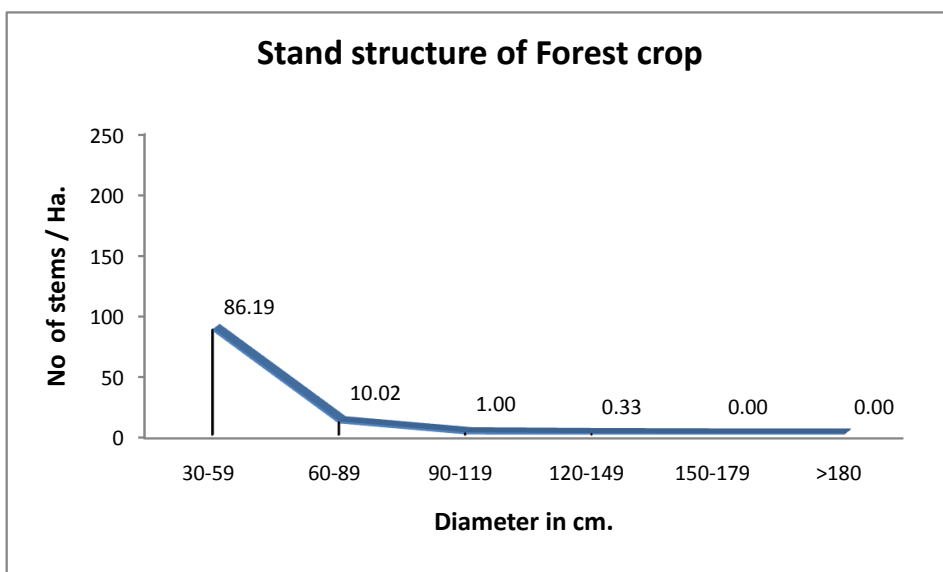
Range: Aska

Total Compt. area: 299.33

% of Enum.: 01

Total area Enum.: 2.99

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Piasal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	1.67	0.00	0.00	0.00	0.00	0.00	1.67	136.97
6	Halanda	3.34	0.00	0.00	0.00	0.00	0.00	3.34	273.95
7	Mundi	3.67	0.00	0.00	0.00	0.00	0.00	3.67	301.34
8	Kashi	3.34	0.33	0.00	0.00	0.00	0.00	3.67	301.34
9	Asan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Mai	15.37	4.34	1.00	0.33	0.00	0.00	21.05	1725.85
11	Mahula	12.36	3.01	0.00	0.00	0.00	0.00	15.37	1260.15
12	Mango	3.01	0.33	0.00	0.00	0.00	0.00	3.34	273.95
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	2.34	0.00	0.00	0.00	0.00	0.00	2.34	191.76
15	Char	9.02	0.33	0.00	0.00	0.00	0.00	9.35	767.05
16	Kendu	8.35	0.00	0.00	0.00	0.00	0.00	8.35	684.86
17	Bahada	1.34	0.00	0.00	0.00	0.00	0.00	1.34	109.58
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Bela	5.35	0.00	0.00	0.00	0.00	0.00	5.35	438.31
21	Jamun	1.34	0.00	0.00	0.00	0.00	0.00	1.34	109.58
22	Misc.	15.70	1.67	0.00	0.00	0.00	0.00	17.37	1424.51
	TOTAL:	86.19	10.02	1.00	0.33	0.00	0.00	97.55	7999.20
	% (Ha.)	7067.78	821.84	82.18	27.39	0.00	0.00	7999.20	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Kantakhol DPF

Total no of Compt.: 2

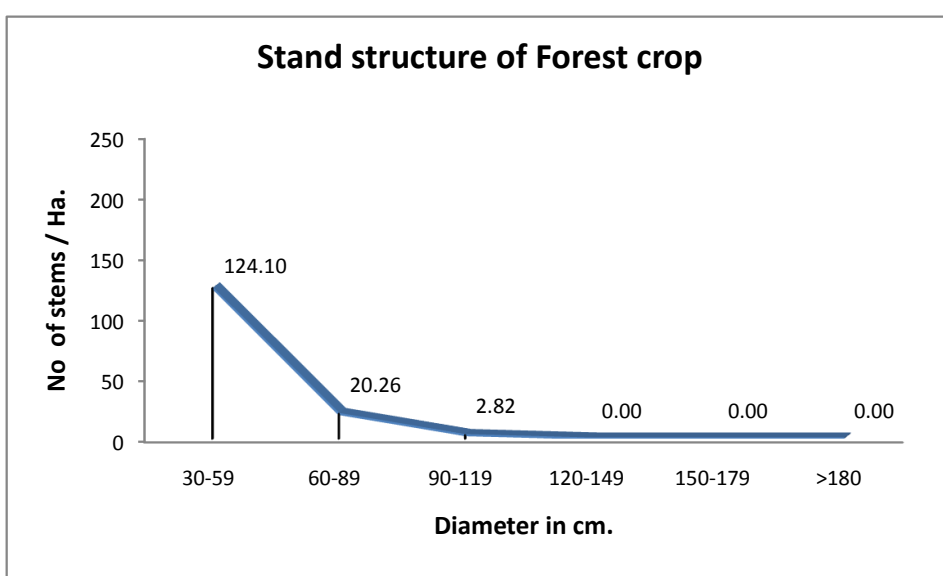
Range: Aska

Total Compt. area: 390.00

% of Enum.: 01

Total area Enum.: 3.90

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	27.44	3.08	0.00	0.00	0.00	0.00	30.51	2502.05
2	Piasal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	1.79	0.00	0.00	0.00	0.00	0.00	1.79	147.18
6	Halanda	3.85	0.00	0.00	0.00	0.00	0.00	3.85	315.38
7	Mundi	1.28	0.00	0.00	0.00	0.00	0.00	1.28	105.13
8	Kashi	1.54	0.00	0.00	0.00	0.00	0.00	1.54	126.15
9	Asan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Mai	21.79	5.13	1.54	0.00	0.00	0.00	28.46	2333.85
11	Mahula	14.36	2.82	0.00	0.00	0.00	0.00	17.18	1408.72
12	Mango	4.10	0.26	0.51	0.00	0.00	0.00	4.87	399.49
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	1.28	0.00	0.00	0.00	0.00	0.00	1.28	105.13
15	Char	0.77	0.00	0.00	0.00	0.00	0.00	0.77	63.08
16	Kendu	10.26	0.77	0.00	0.00	0.00	0.00	11.03	904.10
17	Bahada	0.77	0.00	0.00	0.00	0.00	0.00	0.77	63.08
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Bela	6.41	0.00	0.00	0.00	0.00	0.00	6.41	525.64
21	Jamun	0.77	0.51	0.26	0.00	0.00	0.00	1.54	126.15
22	Misc.	27.69	7.69	0.51	0.00	0.00	0.00	35.90	2943.59
	TOTAL:	124.10	20.26	2.82	0.00	0.00	0.00	147.18	12068.72
	% (Ha.)	10176.41	1661.03	231.28	0.00	0.00	0.00	12068.72	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Badagada-C UDPF

Total no of Compt.: 30

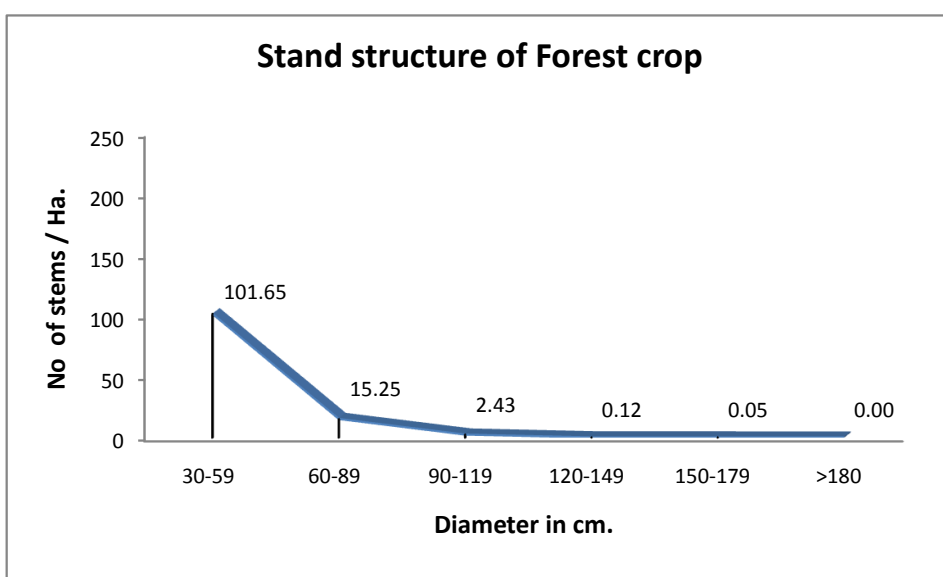
Range: Aska

Total Compt. area: 11050.00

% of Enum.: 01

Total area Enum.: 110.50

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	13.01	3.00	0.46	0.00	0.00	0.00	16.48	1351.33
2	Piasal	2.35	0.14	0.02	0.00	0.00	0.00	2.52	206.30
3	Sisoo	2.47	0.34	0.12	0.00	0.00	0.00	2.93	240.43
4	Bandhan	1.00	0.03	0.00	0.00	0.00	0.00	1.02	83.86
5	Gambhar	0.04	0.01	0.00	0.00	0.00	0.00	0.05	3.71
6	Halanda	0.27	0.10	0.00	0.00	0.00	0.00	0.37	30.43
7	Mundi	0.44	0.00	0.00	0.00	0.00	0.00	0.44	36.36
8	Kashi	2.77	0.17	0.00	0.00	0.00	0.00	2.94	241.18
9	Asan	10.04	0.95	0.09	0.00	0.00	0.00	11.08	908.31
10	Mai	19.14	3.04	0.46	0.05	0.00	0.00	22.70	1861.14
11	Mahula	2.75	0.29	0.03	0.00	0.00	0.00	3.07	251.57
12	Mango	0.24	0.25	0.11	0.00	0.00	0.00	0.61	49.72
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	2.22	0.19	0.05	0.00	0.00	0.00	2.45	201.10
15	Char	10.34	0.88	0.03	0.00	0.00	0.00	11.25	922.41
16	Kendu	2.53	0.26	0.06	0.00	0.00	0.00	2.86	234.50
17	Bahada	1.61	0.12	0.02	0.02	0.00	0.00	1.76	144.71
18	Harida	1.63	0.16	0.05	0.00	0.00	0.00	1.84	150.64
19	Kusum	0.40	0.01	0.00	0.00	0.00	0.00	0.41	33.39
20	Bela	1.23	0.10	0.01	0.00	0.00	0.00	1.34	109.83
21	Jamun	2.01	0.33	0.11	0.00	0.00	0.00	2.44	200.36
22	Misc.	25.15	4.87	0.82	0.05	0.05	0.00	30.93	2536.43
	TOTAL:	101.65	15.25	2.43	0.12	0.05	0.00	119.48	9797.70
	% (Ha.)	8335.06	1250.41	198.88	9.65	3.71	0.00	9797.70	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Badagada-A UDPF

Total no of Compt.: 25

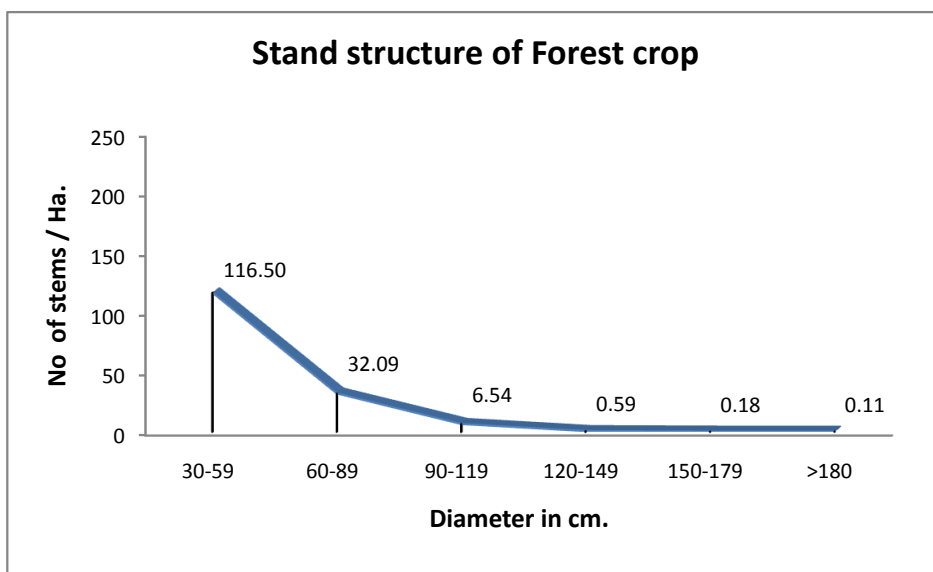
Range: Badagada

Total Compt. area: 9135.00

% of Enum.: 01

Total area Enum.: 91.35

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	0.86	0.32	0.15	0.00	0.00	0.00	1.34	0.86
2	Piasal	2.92	0.68	0.15	0.00	0.00	0.00	3.75	2.41
3	Sisoo	0.66	0.08	0.00	0.00	0.00	0.00	0.73	0.47
4	Bandhan	4.21	1.15	0.00	0.00	0.00	0.00	5.36	3.44
5	Gambhar	0.70	0.09	0.00	0.00	0.00	0.00	0.79	0.51
6	Halanda	2.00	0.13	0.00	0.00	0.00	0.00	2.13	1.37
7	Mundi	0.27	0.00	0.00	0.00	0.00	0.00	0.27	0.18
8	Kashi	2.74	0.11	0.00	0.00	0.00	0.00	2.85	1.82
9	Asan	10.86	3.77	0.45	0.00	0.00	0.00	15.07	9.66
10	Mai	12.62	4.66	0.65	0.01	0.00	0.00	17.94	11.50
11	Mahula	5.60	1.24	0.04	0.00	0.00	0.00	6.89	4.41
12	Mango	0.67	0.11	0.12	0.04	0.11	0.11	1.16	0.74
13	Tamarind	0.07	0.00	0.00	0.00	0.00	0.00	0.07	0.04
14	Amla	1.67	0.11	0.00	0.00	0.00	0.00	1.78	1.14
15	Char	12.65	4.08	0.37	0.00	0.00	0.00	17.11	10.97
16	Kendu	7.27	2.87	0.62	0.03	0.01	0.00	10.80	6.93
17	Bahada	1.66	0.31	0.00	0.00	0.00	0.00	1.97	1.26
18	Harida	0.59	0.09	0.00	0.00	0.00	0.00	0.68	0.44
19	Kusum	3.97	0.77	0.16	0.00	0.00	0.00	4.90	3.14
20	Bela	2.94	0.11	0.00	0.00	0.00	0.00	3.05	1.96
21	Jamun	3.70	1.09	0.21	0.07	0.00	0.00	5.07	3.25
22	Misc.	37.83	10.33	3.60	0.44	0.05	0.00	52.26	33.50
	TOTAL:	116.50	32.09	6.54	0.59	0.18	0.11	155.99	100.00
	% (Ha.)	74.68	20.57	4.19	0.38	0.11	0.07	100.00	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Badagada-B UDPF

Total no of Compt.: 10

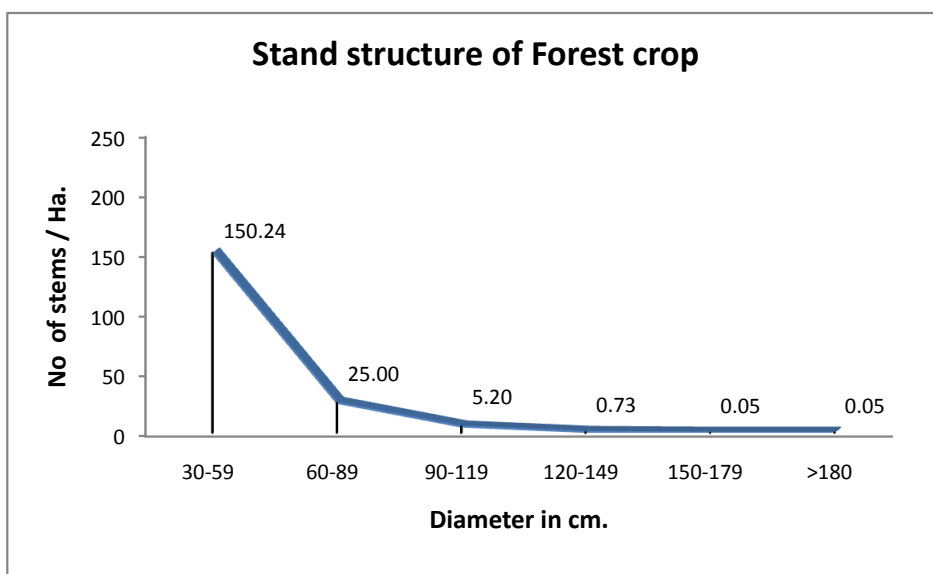
Range: Badagada

Total Compt. area: 3705.00

% of Enum.: 01

Total area Enum.: 37.05

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	6.26	0.54	0.03	0.00	0.00	0.00	6.82	4.37
2	Piasal	5.77	0.22	0.08	0.00	0.00	0.00	6.07	3.89
3	Sisoo	1.48	0.08	0.00	0.00	0.00	0.00	1.56	1.00
4	Bandhan	1.91	0.57	0.00	0.00	0.00	0.00	2.48	1.59
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	1.00	0.05	0.00	0.00	0.00	0.00	1.05	0.67
7	Mundi	0.16	0.00	0.00	0.00	0.00	0.00	0.16	0.10
8	Kashi	4.72	0.03	0.00	0.00	0.00	0.00	4.75	3.04
9	Asan	5.04	1.54	0.22	0.00	0.00	0.00	6.80	4.36
10	Mai	21.01	5.61	1.27	0.08	0.00	0.00	27.97	17.93
11	Mahula	12.65	2.43	0.27	0.00	0.00	0.00	15.35	9.84
12	Mango	3.16	1.13	0.67	0.35	0.05	0.05	5.42	3.47
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	3.83	0.08	0.00	0.00	0.00	0.00	3.91	2.51
15	Char	15.21	2.89	0.27	0.00	0.00	0.00	18.37	11.77
16	Kendu	12.84	1.21	0.11	0.00	0.00	0.00	14.16	9.08
17	Bahada	2.32	0.05	0.00	0.00	0.00	0.00	2.37	1.52
18	Harida	1.51	0.00	0.00	0.00	0.00	0.00	1.51	0.97
19	Kusum	2.59	0.46	0.11	0.00	0.00	0.00	3.16	2.02
20	Bela	6.88	0.05	0.00	0.00	0.00	0.00	6.93	4.44
21	Jamun	6.18	2.24	0.84	0.22	0.00	0.00	9.47	6.07
22	Misc.	35.73	5.83	1.35	0.08	0.00	0.00	42.99	27.56
	TOTAL:	150.24	25.00	5.20	0.73	0.05	0.05	181.28	116.21
	% (Ha.)	96.31	16.03	3.34	0.47	0.03	0.03	116.21	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Goudagotha DPF

Total no of Compt.: 13

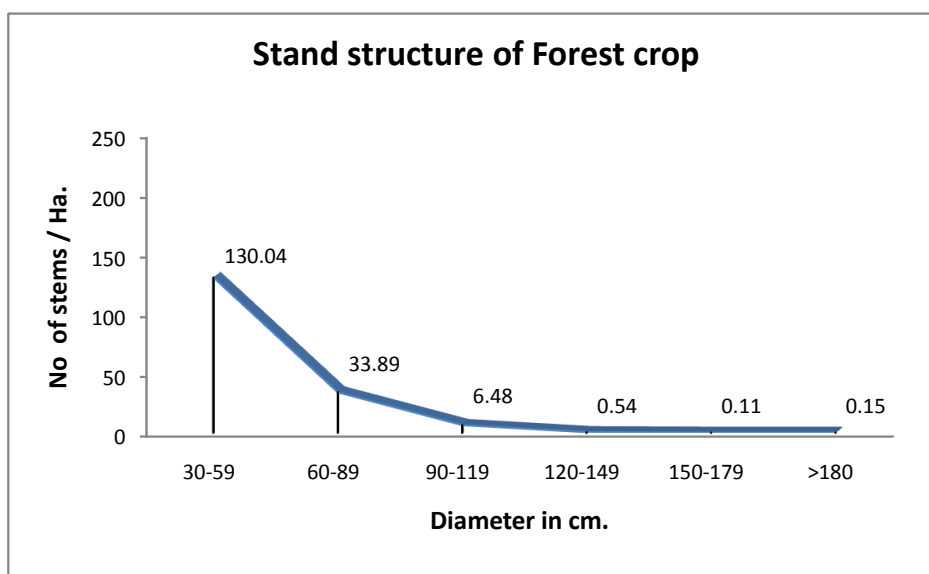
Range: Badagada

Total Compt. area: 4600.00

% of Enum.: 01

Total area Enum.: 46.00

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	1.15	0.15	0.04	0.00	0.00	0.00	1.35	0.86
2	Piasal	1.76	0.41	0.11	0.00	0.00	0.00	2.28	1.46
3	Sisoo	0.87	0.07	0.00	0.00	0.00	0.00	0.93	0.60
4	Bandhan	5.30	1.46	0.00	0.00	0.00	0.00	6.76	4.33
5	Gambhar	0.83	0.11	0.00	0.00	0.00	0.00	0.93	0.60
6	Halanda	1.89	0.20	0.00	0.00	0.00	0.00	2.09	1.34
7	Mundi	0.07	0.00	0.00	0.00	0.00	0.00	0.07	0.04
8	Kashi	3.04	0.11	0.00	0.00	0.00	0.00	3.15	2.02
9	Asan	11.89	4.09	0.41	0.00	0.00	0.00	16.39	10.51
10	Mai	17.67	5.63	0.70	0.02	0.00	0.00	24.02	15.40
11	Mahula	7.26	1.50	0.09	0.00	0.00	0.00	8.85	5.67
12	Mango	1.00	0.28	0.17	0.11	0.09	0.15	1.80	1.16
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	1.63	0.11	0.00	0.00	0.00	0.00	1.74	1.11
15	Char	16.00	4.96	0.46	0.00	0.00	0.00	21.41	13.73
16	Kendu	8.72	2.91	0.48	0.00	0.00	0.00	12.11	7.76
17	Bahada	1.78	0.24	0.00	0.00	0.00	0.00	2.02	1.30
18	Harida	0.63	0.02	0.00	0.00	0.00	0.00	0.65	0.42
19	Kusum	4.28	0.80	0.17	0.00	0.00	0.00	5.26	3.37
20	Bela	4.30	0.11	0.00	0.00	0.00	0.00	4.41	2.83
21	Jamun	3.00	1.00	0.22	0.11	0.00	0.00	4.33	2.77
22	Misc.	36.96	9.74	3.63	0.30	0.02	0.00	50.65	32.47
	TOTAL:	130.04	33.89	6.48	0.54	0.11	0.15	171.22	109.76
	% (Ha.)	83.36	21.73	4.15	0.35	0.07	0.10	109.76	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Merikote DPF

Total no of Compt.: 9

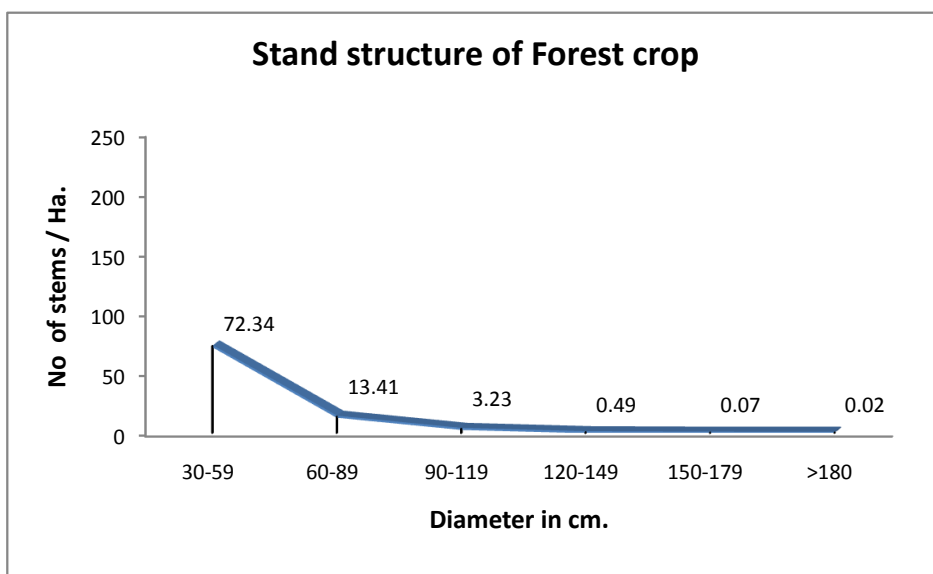
Range: Badagada

Total Compt. area: 4458.24

% of Enum.: 01

Total area Enum.: 44.58

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	1.77	0.65	0.29	0.00	0.00	0.00	2.71	1.74
2	Piasal	2.87	0.34	0.07	0.00	0.00	0.00	3.27	2.10
3	Sisoo	0.34	0.07	0.00	0.00	0.00	0.00	0.40	0.26
4	Bandhan	0.87	0.04	0.00	0.00	0.00	0.00	0.92	0.59
5	Gambhar	0.22	0.07	0.00	0.00	0.00	0.00	0.29	0.19
6	Halanda	1.12	0.00	0.00	0.00	0.00	0.00	1.12	0.72
7	Mundi	0.67	0.00	0.00	0.00	0.00	0.00	0.67	0.43
8	Kashi	2.80	0.07	0.00	0.00	0.00	0.00	2.87	1.84
9	Asan	2.74	0.85	0.11	0.00	0.00	0.00	3.70	2.37
10	Mai	6.26	2.11	0.40	0.02	0.00	0.00	8.79	5.64
11	Mahula	4.69	1.19	0.09	0.00	0.00	0.00	5.97	3.82
12	Mango	1.37	0.22	0.25	0.07	0.02	0.02	1.95	1.25
13	Tamarind	0.13	0.00	0.00	0.00	0.00	0.00	0.13	0.09
14	Amla	1.86	0.07	0.00	0.00	0.00	0.00	1.93	1.24
15	Char	6.73	1.28	0.13	0.00	0.00	0.00	8.14	5.22
16	Kendu	5.27	0.92	0.36	0.07	0.02	0.00	6.64	4.26
17	Bahada	1.41	0.20	0.00	0.00	0.00	0.00	1.61	1.04
18	Harida	0.70	0.11	0.00	0.00	0.00	0.00	0.81	0.52
19	Kusum	2.09	0.09	0.00	0.00	0.00	0.00	2.18	1.39
20	Bela	1.75	0.07	0.00	0.00	0.00	0.00	1.82	1.16
21	Jamun	3.27	0.67	0.27	0.04	0.00	0.00	4.26	2.73
22	Misc.	23.39	4.40	1.26	0.29	0.02	0.00	29.36	18.82
	TOTAL:	72.34	13.41	3.23	0.49	0.07	0.02	89.56	57.42
	% (Ha.)	46.37	8.60	2.07	0.32	0.04	0.01	57.42	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Raipada RF

Total no of Compt.: 5

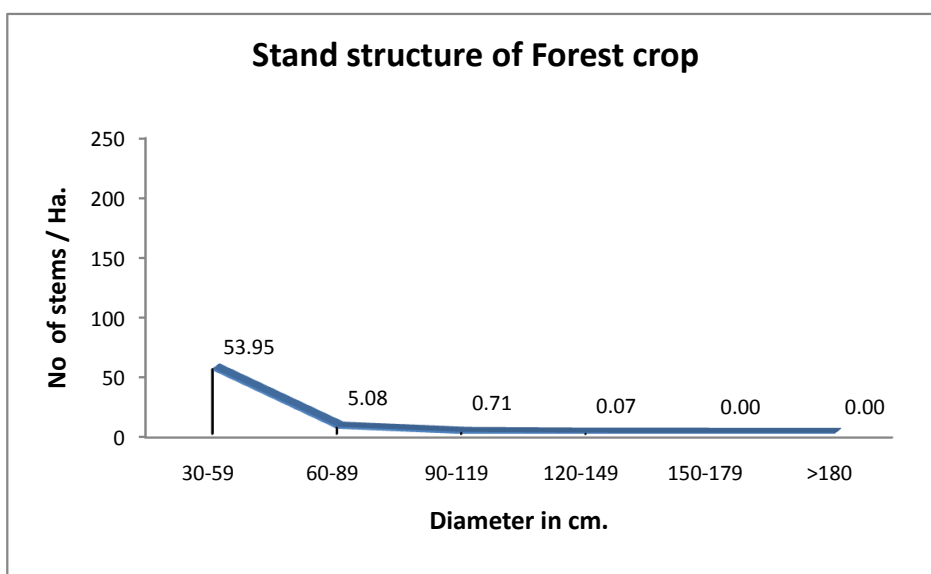
Range: Badagada

Total Compt. area: 2797.27

% of Enum.: 01

Total area Enum.: 27.97

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Piasal	0.79	0.00	0.00	0.00	0.00	0.00	0.79	0.50
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.18	0.00	0.00	0.00	0.00	0.00	0.18	0.11
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.18	0.00	0.00	0.00	0.00	0.00	0.18	0.11
7	Mundi	0.07	0.00	0.00	0.00	0.00	0.00	0.07	0.05
8	Kashi	0.97	0.00	0.00	0.00	0.00	0.00	0.97	0.62
9	Asan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Mai	16.34	2.14	0.11	0.00	0.00	0.00	18.59	11.92
11	Mahula	1.89	0.25	0.00	0.00	0.00	0.00	2.14	1.38
12	Mango	0.46	0.07	0.04	0.00	0.00	0.00	0.57	0.37
13	Tamarind	0.07	0.00	0.00	0.00	0.00	0.00	0.07	0.05
14	Amla	0.54	0.00	0.04	0.00	0.00	0.00	0.57	0.37
15	Char	2.47	0.00	0.00	0.00	0.00	0.00	2.47	1.58
16	Kendu	2.68	0.14	0.04	0.04	0.00	0.00	2.90	1.86
17	Bahada	0.39	0.00	0.00	0.00	0.00	0.00	0.39	0.25
18	Harida	0.11	0.00	0.04	0.04	0.00	0.00	0.18	0.11
19	Kusum	0.11	0.00	0.00	0.00	0.00	0.00	0.11	0.07
20	Bela	2.68	0.14	0.00	0.00	0.00	0.00	2.82	1.81
21	Jamun	0.57	0.00	0.04	0.00	0.00	0.00	0.61	0.39
22	Misc.	23.45	2.32	0.43	0.00	0.00	0.00	26.20	16.80
	TOTAL:	53.95	5.08	0.71	0.07	0.00	0.00	59.81	38.34
	% (Ha.)	34.58	3.25	0.46	0.05	0.00	0.00	38.34	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Srirampalli PRF

Total no of Compt.: 1

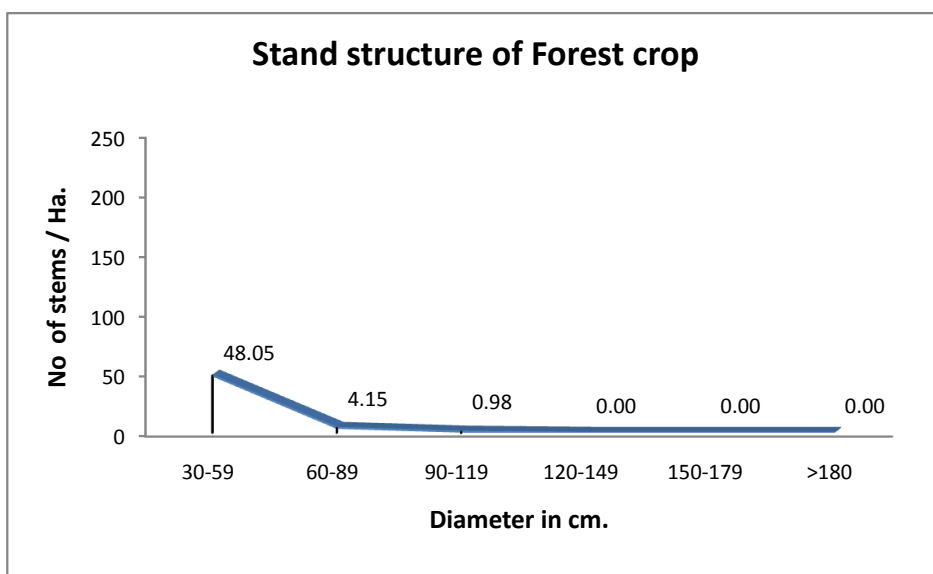
Range: Badagada

Total Compt. area: 410.00

% of Enum.: 01

Total area Enum.: 4.10

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Piasal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Mundi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Kashi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Asan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Mai	8.29	0.73	0.24	0.00	0.00	0.00	9.27	5.94
11	Mahula	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Mango	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	Char	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	Kendu	6.10	0.49	0.00	0.00	0.00	0.00	6.59	4.22
17	Bahada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	4.39	0.00	0.00	0.00	0.00	0.00	4.39	2.81
20	Bela	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	Jamun	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	Misc.	29.27	2.93	0.73	0.00	0.00	0.00	32.93	21.11
	TOTAL:	48.05	4.15	0.98	0.00	0.00	0.00	53.17	34.09
	% (Ha.)	30.80	2.66	0.63	0.00	0.00	0.00	34.09	

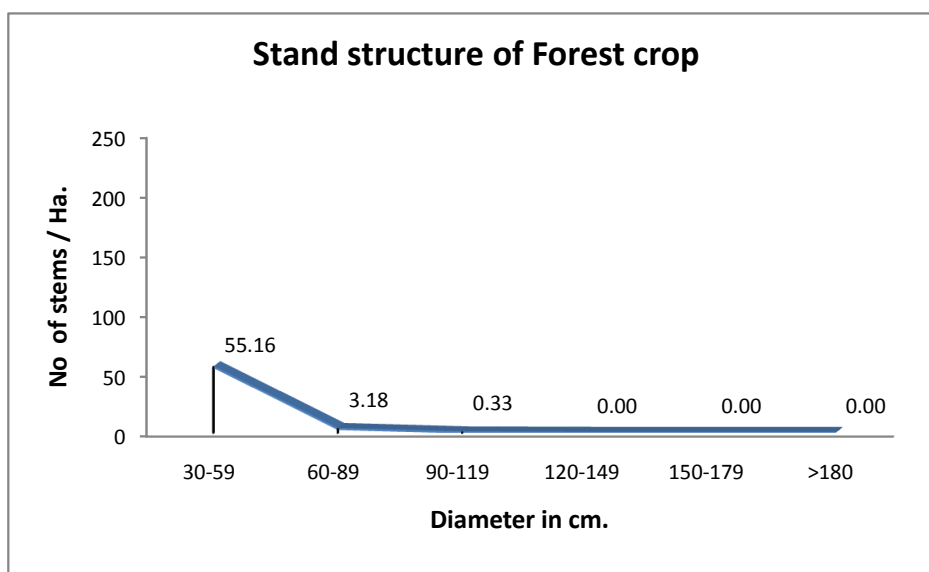


ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Mahisikhata UDPF Range: Badagada % of Enum.: 01	Total no of Compt.: 2 Total Compt. area: 598.25 Total area Enum.: 5.98

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	3.01	0.33	0.00	0.00	0.00	0.00	3.34	2.14
2	Piasal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Mundi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Kashi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Asan	9.03	0.00	0.00	0.00	0.00	0.00	9.03	5.79
10	Mai	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Mahula	3.34	0.00	0.00	0.00	0.00	0.00	3.34	2.14
12	Mango	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	Char	8.69	0.00	0.00	0.00	0.00	0.00	8.69	5.57
16	Kendu	3.01	0.33	0.00	0.00	0.00	0.00	3.34	2.14
17	Bahada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Bela	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	Jamun	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	Misc.	28.08	2.51	0.33	0.00	0.00	0.00	30.92	19.82
	TOTAL:	55.16	3.18	0.33	0.00	0.00	0.00	58.67	37.61
	% (Ha.)	35.36	2.04	0.21	0.00	0.00	0.00	37.61	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Sandhasulia RF

Total no of Compt.: 1

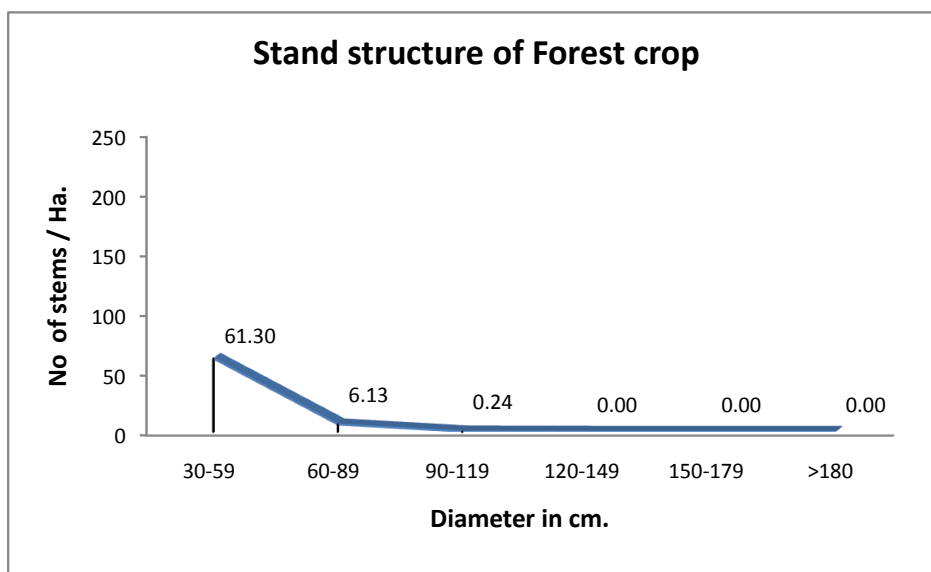
Range: Buguda

Total Compt. area: 848.34

% of Enum.: 01

Total area Enum.: 8.48

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Piasal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Mundi	4.01	0.00	0.00	0.00	0.00	0.00	4.01	5.92
8	Kashi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Asan	14.03	0.71	0.00	0.00	0.00	0.00	14.73	21.78
10	Mai	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Mahula	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Mango	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	Char	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	Kendu	5.07	0.35	0.00	0.00	0.00	0.00	5.42	8.01
17	Bahada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Bela	3.18	0.59	0.00	0.00	0.00	0.00	3.77	5.57
21	Jamun	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	Misc.	35.01	4.48	0.24	0.00	0.00	0.00	39.72	58.71
	TOTAL:	61.30	6.13	0.24	0.00	0.00	0.00	67.66	100.00
	% (Ha.)	90.59	9.06	0.35	0.00	0.00	0.00	100.00	



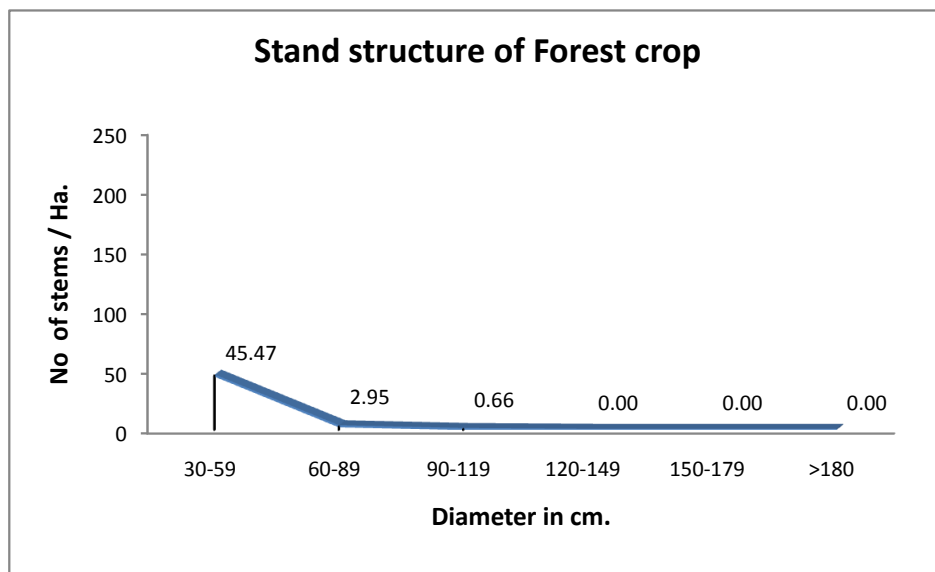
ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Jhollery RF
Range: Buguda
% of Enum.: 01

Total no of Compt.: 1
Total Compt. area: 914.98
Total area Enum.: 9.15

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Piasal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Mundi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Kashi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Asan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Mai	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Mahula	3.17	0.55	0.00	0.00	0.00	0.00	3.72	5.49
12	Mango	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	Char	13.12	0.00	0.00	0.00	0.00	0.00	13.12	19.38
16	Kendu	2.95	0.22	0.00	0.00	0.00	0.00	3.17	4.68
17	Bahada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	2.51	0.00	0.00	0.00	0.00	0.00	2.51	3.72
20	Bela	3.50	0.22	0.00	0.00	0.00	0.00	3.72	5.49
21	Jamun	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	Misc.	20.22	1.97	0.66	0.00	0.00	0.00	22.84	33.76
	TOTAL:	45.47	2.95	0.66	0.00	0.00	0.00	49.07	72.53
	% (Ha.)	67.20	4.36	0.97	0.00	0.00	0.00	72.53	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Solundi RF

Total no of Compt.: 1

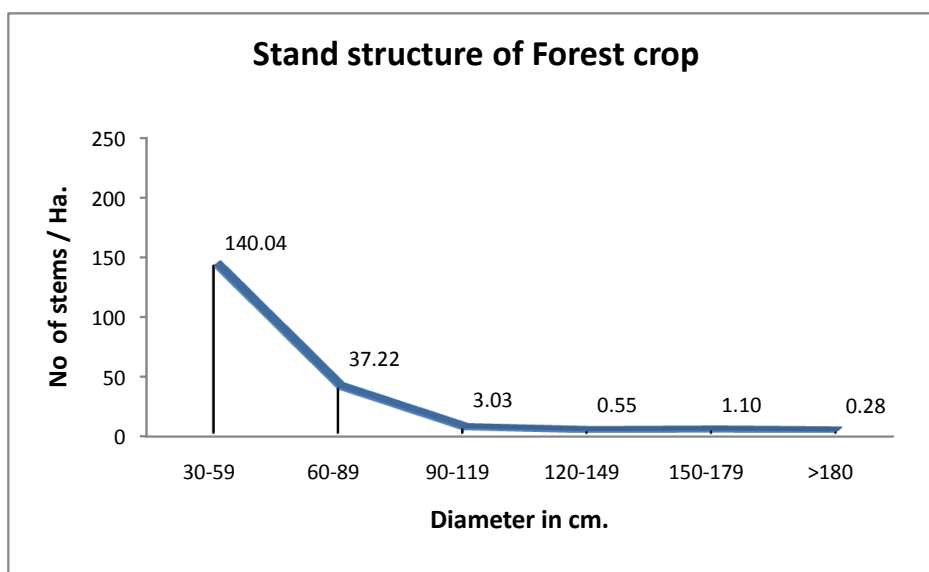
Range: Buguda

Total Compt. area: 362.75

% of Enum.: 01

Total area Enum.: 3.63

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	16.26	2.48	0.00	0.00	0.00	0.00	18.75	27.71
2	Piasal	9.10	1.93	0.00	0.00	0.00	0.00	11.03	16.30
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Mundi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Kashi	9.37	3.31	0.00	0.00	0.00	0.00	12.68	18.74
9	Asan	13.51	2.48	0.00	0.00	0.00	0.00	15.99	23.63
10	Mai	14.61	4.96	0.83	0.00	0.00	0.00	20.40	30.15
11	Mahula	2.21	0.00	0.00	0.00	0.00	0.00	2.21	3.26
12	Mango	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	Char	12.13	0.00	0.00	0.00	0.00	0.00	12.13	17.93
16	Kendu	3.58	3.86	0.55	0.00	0.00	0.00	7.99	11.82
17	Bahada	3.31	2.21	0.83	0.00	0.00	0.00	6.34	9.37
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	9.65	0.00	0.00	0.00	0.55	0.00	10.20	15.07
20	Bela	0.55	0.00	0.00	0.00	0.00	0.00	0.55	0.81
21	Jamun	0.55	1.10	0.00	0.00	0.00	0.00	1.65	2.44
22	Misc.	45.21	14.89	0.83	0.55	0.55	0.28	62.30	92.08
	TOTAL:	140.04	37.22	3.03	0.55	1.10	0.28	182.22	269.31
	% (Ha.)	206.97	55.00	4.48	0.81	1.63	0.41	269.31	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Nagiri RF

Total no of Compt.: 1

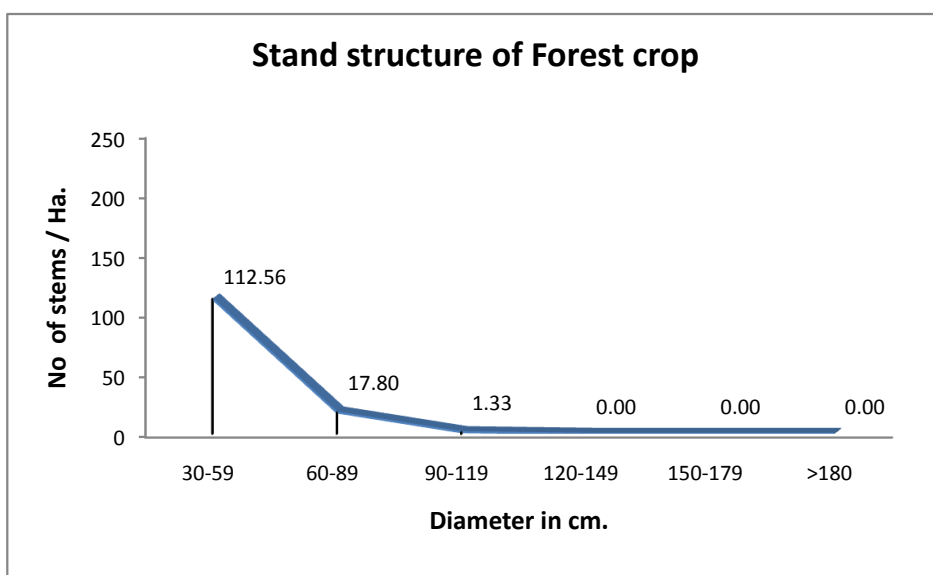
Range: Buguda

Total Compt. area: 449.55

% of Enum.: 01

Total area Enum.: 4.50

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	19.58	3.11	0.00	0.00	0.00	0.00	22.69	33.53
2	Piasal	2.89	0.44	0.00	0.00	0.00	0.00	3.34	4.93
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Mundi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Kashi	4.23	0.22	0.22	0.00	0.00	0.00	4.67	6.90
9	Asan	3.78	0.67	0.00	0.00	0.00	0.00	4.45	6.58
10	Mai	15.35	5.12	0.22	0.00	0.00	0.00	20.69	30.57
11	Mahula	2.89	0.00	0.00	0.00	0.00	0.00	2.89	4.27
12	Mango	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	0.89	0.00	0.00	0.00	0.00	0.00	0.89	1.32
15	Char	4.00	0.00	0.00	0.00	0.00	0.00	4.00	5.92
16	Kendu	4.00	0.00	0.00	0.00	0.00	0.00	4.00	5.92
17	Bahada	1.78	0.00	0.00	0.00	0.00	0.00	1.78	2.63
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	2.89	0.00	0.00	0.00	0.00	0.00	2.89	4.27
20	Bela	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	Jamun	2.67	0.67	0.00	0.00	0.00	0.00	3.34	4.93
22	Misc.	47.60	7.56	0.89	0.00	0.00	0.00	56.06	82.85
	TOTAL:	112.56	17.80	1.33	0.00	0.00	0.00	131.69	194.63
	% (Ha.)	166.35	26.30	1.97	0.00	0.00	0.00	194.63	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Tangarai RF

Total no of Compt.: 1

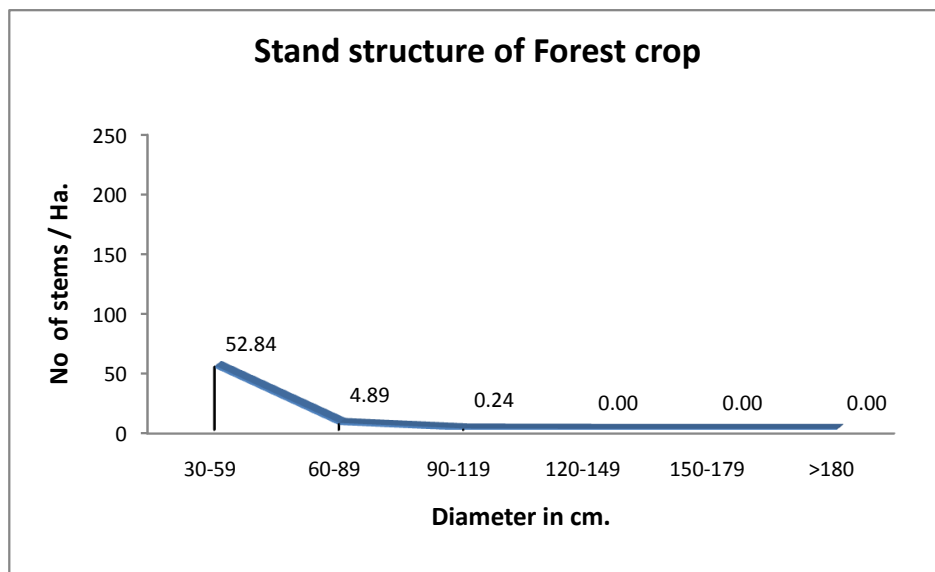
Range: Buguda

Total Compt. area: 817.49

% of Enum.: 01

Total area Enum.: 8.17

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Piasal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Mundi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Kashi	4.65	0.00	0.00	0.00	0.00	0.00	4.65	6.87
9	Asan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Mai	17.00	1.96	0.24	0.00	0.00	0.00	19.21	28.38
11	Mahula	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Mango	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	Char	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	Kendu	2.81	0.24	0.00	0.00	0.00	0.00	3.06	4.52
17	Bahada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Bela	3.30	0.12	0.00	0.00	0.00	0.00	3.43	5.06
21	Jamun	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	Misc.	25.08	2.57	0.00	0.00	0.00	0.00	27.65	40.86
	TOTAL:	52.84	4.89	0.24	0.00	0.00	0.00	57.98	85.69
	% (Ha.)	78.10	7.23	0.36	0.00	0.00	0.00	85.69	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Binodia RF

Total no of Compt.: 1

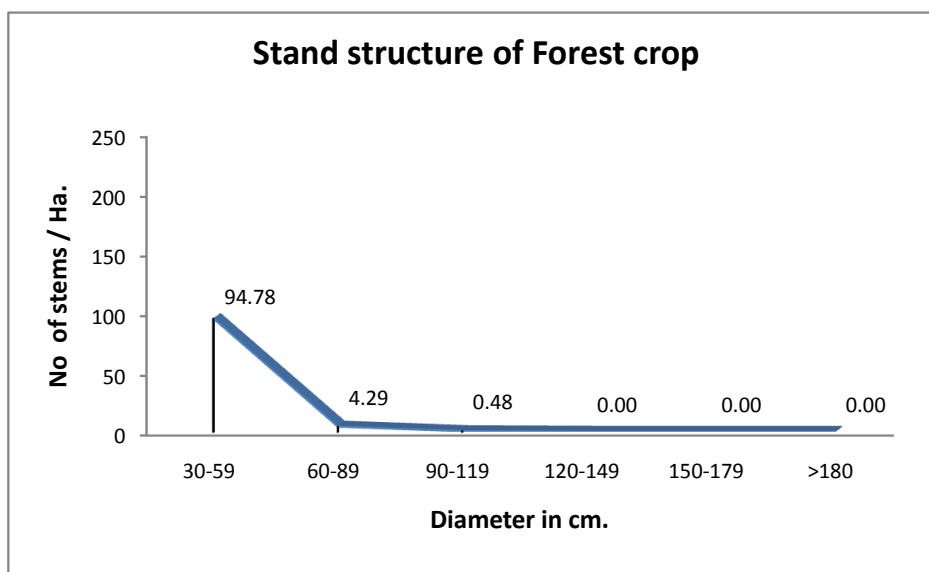
Range: Buguda

Total Compt. area: 209.96

% of Enum.: 01

Total area Enum.: 2.10

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Piasal	10.95	0.95	0.00	0.00	0.00	0.00	11.91	17.60
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Mundi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Kashi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Asan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Mai	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Mahula	7.14	0.00	0.00	0.00	0.00	0.00	7.14	10.56
12	Mango	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	Char	14.29	0.00	0.00	0.00	0.00	0.00	14.29	21.12
16	Kendu	4.76	0.95	0.00	0.00	0.00	0.00	5.72	8.45
17	Bahada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	3.33	0.48	0.00	0.00	0.00	0.00	3.81	5.63
20	Bela	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	Jamun	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	Misc.	54.30	1.91	0.48	0.00	0.00	0.00	56.68	83.77
	TOTAL:	94.78	4.29	0.48	0.00	0.00	0.00	99.54	147.12
	% (Ha.)	140.08	6.34	0.70	0.00	0.00	0.00	147.12	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Kriamba RF

Total no of Compt.: 13

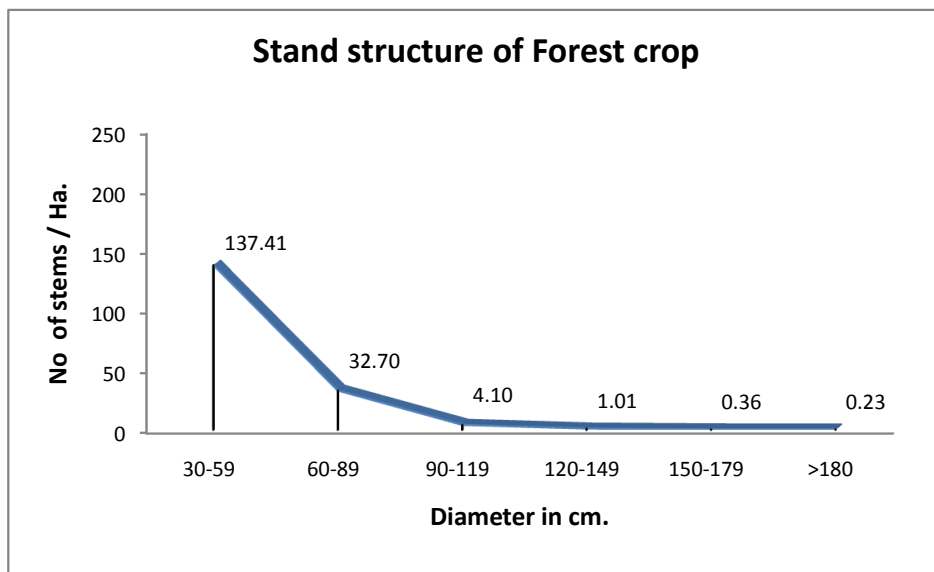
Range: Buguda

Total Compt. area: 8721.22

% of Enum.: 01

Total area Enum.: 87.21

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	35.38	7.92	0.38	0.06	0.02	0.01	43.78	64.70
2	Piasal	3.43	0.68	0.00	0.00	0.00	0.00	4.10	6.07
3	Sisoo	0.76	0.00	0.00	0.00	0.00	0.00	0.76	1.12
4	Bandhan	0.11	0.05	0.01	0.00	0.00	0.00	0.17	0.25
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.36	0.03	0.00	0.00	0.00	0.00	0.39	0.58
7	Mundi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Kashi	4.85	0.96	0.03	0.01	0.00	0.00	5.86	8.66
9	Asan	13.55	3.10	0.28	0.01	0.00	0.00	16.94	25.03
10	Mai	13.36	4.41	1.35	0.37	0.00	0.01	19.50	28.83
11	Mahula	4.68	1.85	0.24	0.02	0.01	0.02	6.82	10.08
12	Mango	0.01	0.02	0.03	0.07	0.07	0.08	0.29	0.42
13	Tamarind	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.02
14	Amla	0.15	0.01	0.00	0.00	0.00	0.00	0.16	0.24
15	Char	8.38	0.63	0.05	0.00	0.00	0.00	9.06	13.39
16	Kendu	7.66	1.71	0.34	0.09	0.09	0.00	9.90	14.62
17	Bahada	1.63	0.26	0.03	0.00	0.00	0.00	1.93	2.85
18	Harida	0.53	0.10	0.03	0.00	0.00	0.00	0.67	0.98
19	Kusum	1.75	0.22	0.05	0.02	0.06	0.00	2.10	3.10
20	Bela	1.74	0.29	0.00	0.00	0.00	0.00	2.03	3.00
21	Jamun	2.63	0.46	0.11	0.01	0.00	0.00	3.21	4.75
22	Misc.	36.44	10.00	1.16	0.34	0.10	0.10	48.15	71.16
	TOTAL:	137.41	32.70	4.10	1.01	0.36	0.23	175.81	259.84
	% (Ha.)	203.09	48.33	6.07	1.49	0.53	0.34	259.84	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Karchuli-A RF

Total no of Compt.: 4

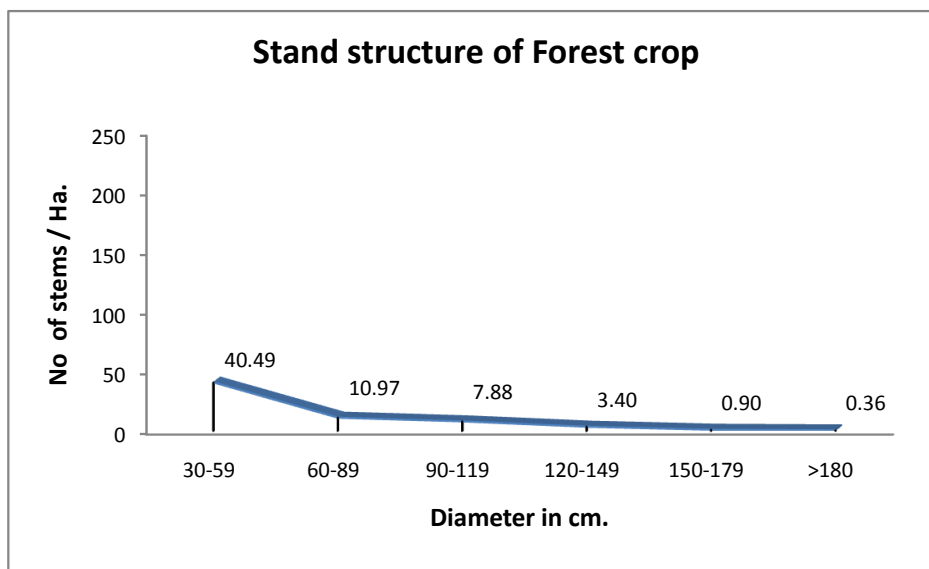
Range: Buguda

Total Compt. area: 2232.39

% of Enum.: 01

Total area Enum.: 22.32

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	5.91	2.24	5.11	2.46	0.81	0.18	16.71	24.69
2	Piasal	1.79	0.40	0.22	0.04	0.00	0.00	2.46	3.64
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.04	0.04	0.00	0.00	0.00	0.00	0.09	0.13
5	Gambhar	0.45	0.00	0.00	0.00	0.00	0.00	0.45	0.66
6	Halanda	0.58	0.13	0.09	0.04	0.00	0.00	0.85	1.26
7	Mundi	0.04	0.00	0.04	0.04	0.00	0.00	0.13	0.20
8	Kashi	1.93	0.45	0.09	0.09	0.00	0.00	2.55	3.77
9	Asan	3.54	1.08	0.13	0.00	0.00	0.00	4.75	7.02
10	Mai	2.73	1.70	0.81	0.09	0.00	0.00	5.33	7.88
11	Mahula	0.18	0.31	0.13	0.04	0.00	0.00	0.67	0.99
12	Mango	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	0.04	0.00	0.00	0.00	0.00	0.00	0.04	0.07
15	Char	6.27	0.67	0.00	0.00	0.00	0.00	6.94	10.26
16	Kendu	2.60	0.27	0.13	0.00	0.00	0.00	3.00	4.44
17	Bahada	0.09	0.00	0.00	0.00	0.00	0.00	0.09	0.13
18	Harida	1.08	0.54	0.00	0.00	0.00	0.00	1.61	2.38
19	Kusum	0.27	0.13	0.00	0.00	0.00	0.00	0.40	0.60
20	Bela	1.12	0.40	0.04	0.00	0.00	0.00	1.57	2.32
21	Jamun	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	Misc.	11.83	2.60	1.08	0.58	0.09	0.18	16.35	24.16
	TOTAL:	40.49	10.97	7.88	3.40	0.90	0.36	64.01	94.61
	% (Ha.)	59.85	16.22	11.65	5.03	1.32	0.53	94.61	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Karchuli RF

Total no of Compt.: 1

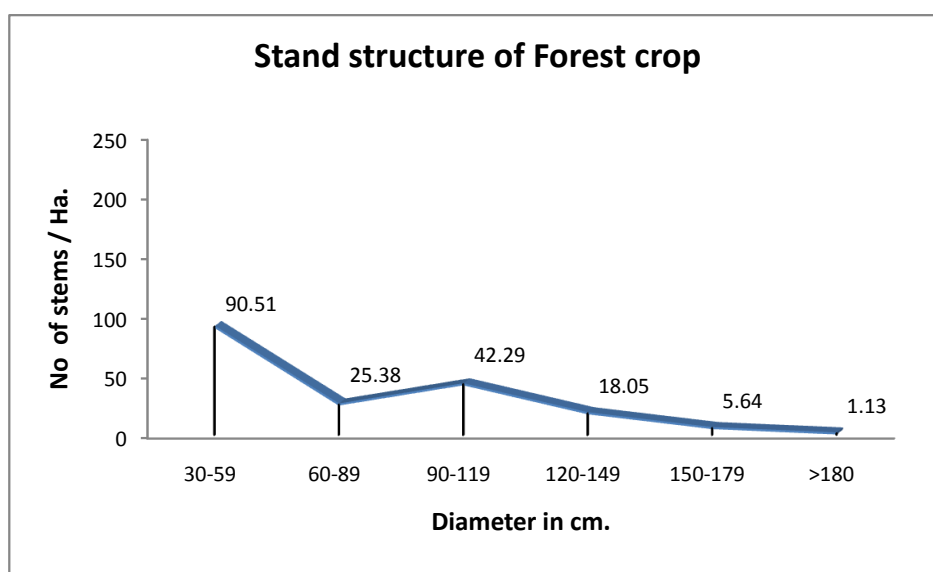
Range: Buguda

Total Compt. area: 354.66

% of Enum.: 01

Total area Enum.: 3.55

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	37.22	14.38	32.14	15.51	5.08	1.13	105.45	155.85
2	Piasal	0.00	0.00	0.85	0.00	0.00	0.00	0.85	1.25
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.56	0.85	0.56	0.28	0.00	0.00	2.26	3.33
7	Mundi	0.28	0.00	0.28	0.28	0.00	0.00	0.85	1.25
8	Kashi	0.00	0.28	0.56	0.56	0.00	0.00	1.41	2.08
9	Asan	6.20	2.54	0.85	0.00	0.00	0.00	9.59	14.17
10	Mai	1.69	0.28	2.26	0.56	0.00	0.00	4.79	7.08
11	Mahula	1.13	1.41	0.28	0.28	0.00	0.00	3.10	4.58
12	Mango	0.00	0.56	0.56	0.00	0.00	0.00	1.13	1.67
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	0.00	0.28	0.00	0.00	0.00	0.00	0.28	0.42
15	Char	23.97	0.28	0.00	0.00	0.00	0.00	24.25	35.84
16	Kendu	6.20	0.56	0.28	0.00	0.00	0.00	7.05	10.42
17	Bahada	0.56	0.00	0.00	0.00	0.00	0.00	0.56	0.83
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	0.56	0.28	0.00	0.00	0.00	0.00	0.85	1.25
20	Bela	0.28	0.00	0.28	0.00	0.00	0.00	0.56	0.83
21	Jamun	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	Misc.	11.84	3.67	3.38	0.56	0.56	0.00	20.02	29.59
	TOTAL:	90.51	25.38	42.29	18.05	5.64	1.13	182.99	270.45
	% (Ha.)	133.77	37.50	62.51	26.67	8.33	1.67	270.45	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Panchabhuti RF

Total no of Compt.: 4

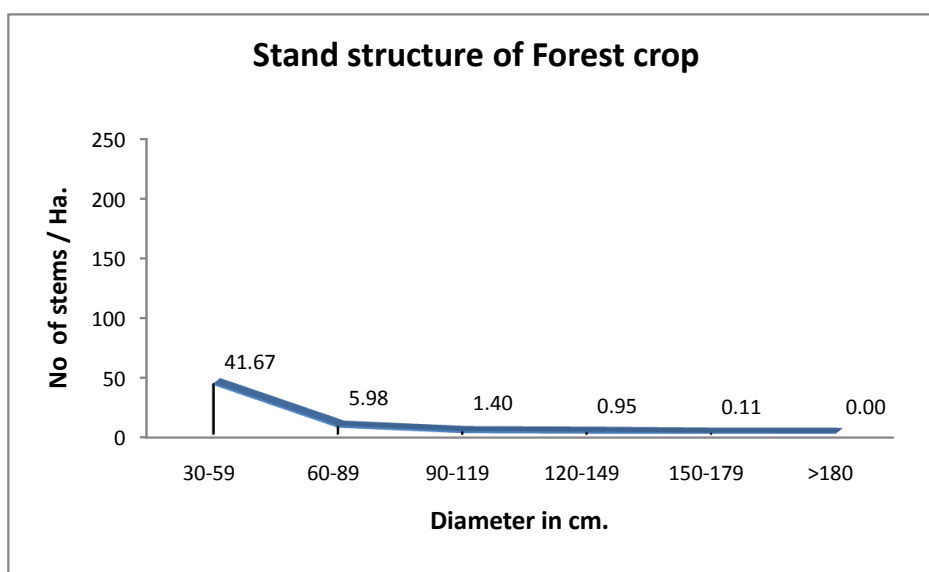
Range: Buguda

Total Compt. area: 1790.28

% of Enum.: 01

Total area Enum.: 17.90

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	12.34	1.12	1.17	0.89	0.11	0.00	15.64	23.12
2	Piasal	1.06	0.11	0.06	0.00	0.00	0.00	1.23	1.82
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.39	0.00	0.00	0.00	0.00	0.00	0.39	0.58
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	1.28	0.00	0.00	0.00	0.00	0.00	1.28	1.90
7	Mundi	0.89	0.06	0.00	0.00	0.00	0.00	0.95	1.40
8	Kashi	0.95	0.22	0.00	0.00	0.00	0.00	1.17	1.73
9	Asan	2.57	0.45	0.00	0.00	0.00	0.00	3.02	4.46
10	Mai	3.13	1.40	0.00	0.00	0.00	0.00	4.52	6.69
11	Mahula	1.23	0.28	0.00	0.00	0.00	0.00	1.51	2.23
12	Mango	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	0.78	0.00	0.00	0.00	0.00	0.00	0.78	1.16
15	Char	2.18	0.50	0.00	0.00	0.00	0.00	2.68	3.96
16	Kendu	1.34	0.39	0.00	0.00	0.00	0.00	1.73	2.56
17	Bahada	0.89	0.11	0.00	0.00	0.00	0.00	1.01	1.49
18	Harida	1.06	0.00	0.00	0.00	0.00	0.00	1.06	1.57
19	Kusum	1.40	0.00	0.00	0.00	0.00	0.00	1.40	2.06
20	Bela	1.68	0.11	0.00	0.00	0.00	0.00	1.79	2.64
21	Jamun	1.06	0.00	0.00	0.00	0.00	0.00	1.06	1.57
22	Misc.	7.43	1.23	0.17	0.06	0.00	0.00	8.88	13.13
	TOTAL:	41.67	5.98	1.40	0.95	0.11	0.00	50.10	74.05
	% (Ha.)	61.59	8.83	2.06	1.40	0.17	0.00	74.05	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Panchabhuti RF

Total no of Compt.: 1

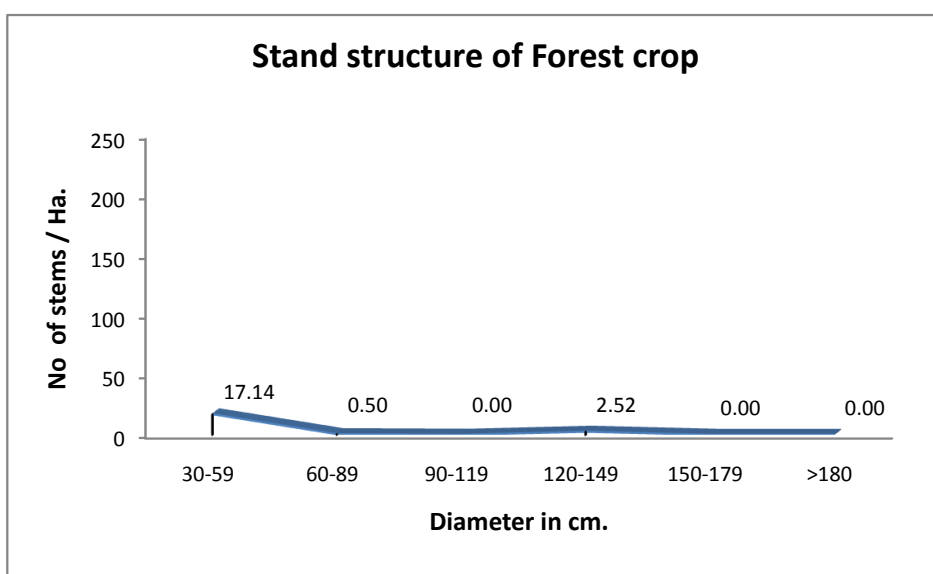
Range: Buguda

Total Compt. area: 198.38

% of Enum.: 01

Total area Enum.: 1.98

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Piasal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Mundi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Kashi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Asan	3.53	0.00	0.00	0.00	0.00	0.00	3.53	5.22
10	Mai	6.55	0.50	0.00	0.00	0.00	0.00	7.06	10.43
11	Mahula	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Mango	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	Char	1.01	0.00	0.00	0.00	0.00	0.00	1.01	1.49
16	Kendu	6.05	0.00	0.00	0.00	0.00	0.00	6.05	8.94
17	Bahada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Bela	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	Jamun	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	Misc.	0.00	0.00	0.00	2.52	0.00	0.00	2.52	3.73
	TOTAL:	17.14	0.50	0.00	2.52	0.00	0.00	20.16	29.80
	% (Ha.)	25.33	0.75	0.00	3.73	0.00	0.00	29.80	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Budurung RF

Total no of Compt.: 1

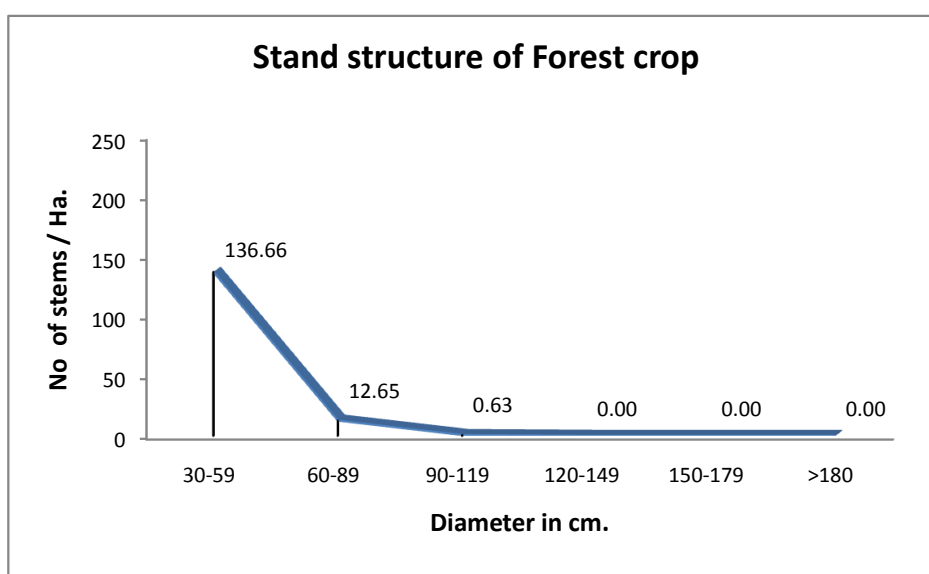
Range: Buguda

Total Compt. area: 316.11

% of Enum.: 01

Total area Enum.: 3.16

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Piasal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Mundi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Kashi	12.02	0.00	0.00	0.00	0.00	0.00	12.02	17.77
9	Asan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Mai	43.97	5.06	0.63	0.00	0.00	0.00	49.67	73.40
11	Mahula	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Mango	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	Char	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	Kendu	7.28	0.63	0.00	0.00	0.00	0.00	7.91	11.69
17	Bahada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Bela	8.54	0.32	0.00	0.00	0.00	0.00	8.86	13.09
21	Jamun	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	Misc.	64.85	6.64	0.00	0.00	0.00	0.00	71.49	105.66
	TOTAL:	136.66	12.65	0.63	0.00	0.00	0.00	149.95	221.61
	% (Ha.)	201.98	18.70	0.94	0.00	0.00	0.00	221.61	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Chamunda RF

Total no of Compt.: 1

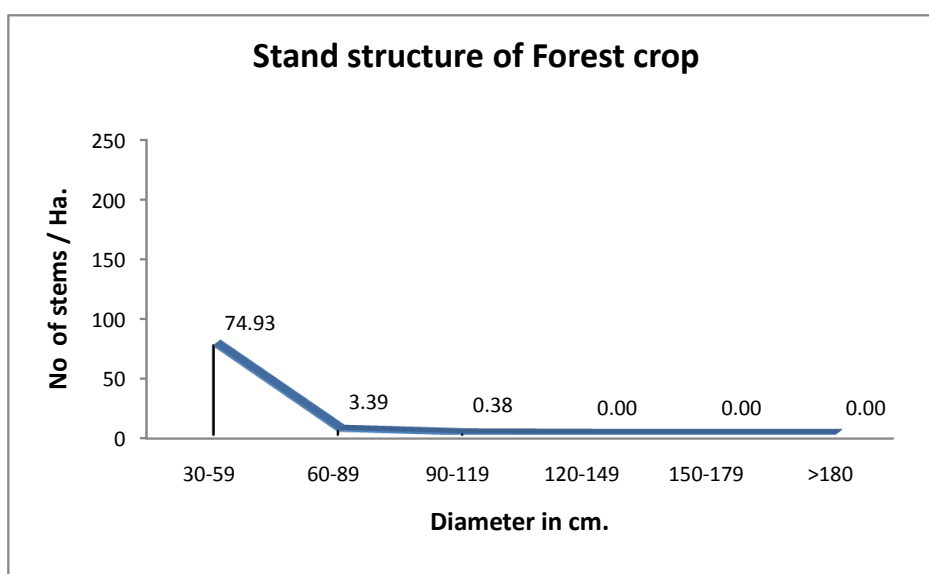
Range: Buguda

Total Compt. area: 265.59

% of Enum.: 01

Total area Enum.: 2.66

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Piasal	8.66	0.75	0.00	0.00	0.00	0.00	9.41	13.91
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Mundi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Kashi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Asan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Mai	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Mahula	5.65	0.00	0.00	0.00	0.00	0.00	5.65	8.35
12	Mango	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	Char	11.30	0.00	0.00	0.00	0.00	0.00	11.30	16.69
16	Kendu	3.77	0.75	0.00	0.00	0.00	0.00	4.52	6.68
17	Bahada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	2.64	0.38	0.00	0.00	0.00	0.00	3.01	4.45
20	Bela	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	Jamun	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	Misc.	42.92	1.51	0.38	0.00	0.00	0.00	44.81	66.22
	TOTAL:	74.93	3.39	0.38	0.00	0.00	0.00	78.69	116.30
	% (Ha.)	110.74	5.01	0.56	0.00	0.00	0.00	116.30	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Kadapada RF

Total no of Compt.: 1

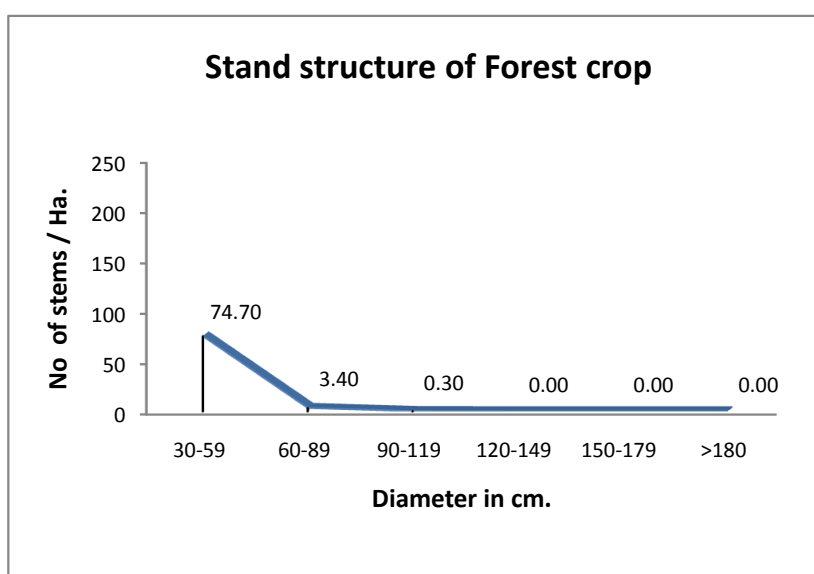
Range: Buguda

Total Compt. area: 677.36

% of Enum.: 01

Total area Enum.: 6.77

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Piasal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Mundi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Kashi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Asan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Mai	19.19	1.77	0.00	0.00	0.00	0.00	20.96	30.98
11	Mahula	2.66	0.00	0.00	0.00	0.00	0.00	2.66	3.93
12	Mango	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	Char	10.33	0.00	0.00	0.00	0.00	0.00	10.33	15.27
16	Kendu	5.02	0.00	0.00	0.00	0.00	0.00	5.02	7.42
17	Bahada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Bela	5.02	0.00	0.00	0.00	0.00	0.00	5.02	7.42
21	Jamun	3.10	0.00	0.00	0.00	0.00	0.00	3.10	4.58
22	Misc.	29.38	1.62	0.30	0.00	0.00	0.00	31.30	46.26
	TOTAL:	74.70	3.40	0.30	0.00	0.00	0.00	78.39	115.86
	% (Ha.)	110.41	5.02	0.44	0.00	0.00	0.00	115.86	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: K. Vishnuchakram RF

Total compt.: 1

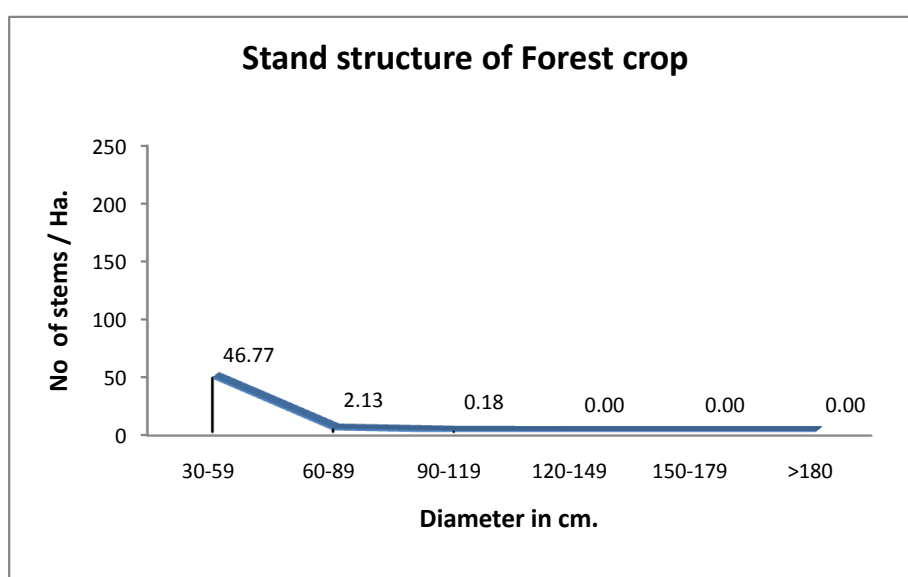
Range: Buguda

Total block area: 1081.95

% of Enum.: 1

Total area Enum.: 10.82

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Piasal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Mundi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Kashi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Asan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Mai	12.02	1.11	0.00	0.00	0.00	0.00	13.12	19.40
11	Mahula	1.66	0.00	0.00	0.00	0.00	0.00	1.66	2.46
12	Mango	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	Char	6.47	0.00	0.00	0.00	0.00	0.00	6.47	9.56
16	Kendu	3.14	0.00	0.00	0.00	0.00	0.00	3.14	4.64
17	Bahada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Bela	3.14	0.00	0.00	0.00	0.00	0.00	3.14	4.64
21	Jamun	1.94	0.00	0.00	0.00	0.00	0.00	1.94	2.87
22	Misc.	18.39	1.02	0.18	0.00	0.00	0.00	19.59	28.96
	TOTAL:	46.77	2.13	0.18	0.00	0.00	0.00	49.08	72.53
	% (Ha.)	69.12	3.14	0.27	0.00	0.00	0.00	72.53	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Paikajamuna DPF

Total no of Compt.: 1

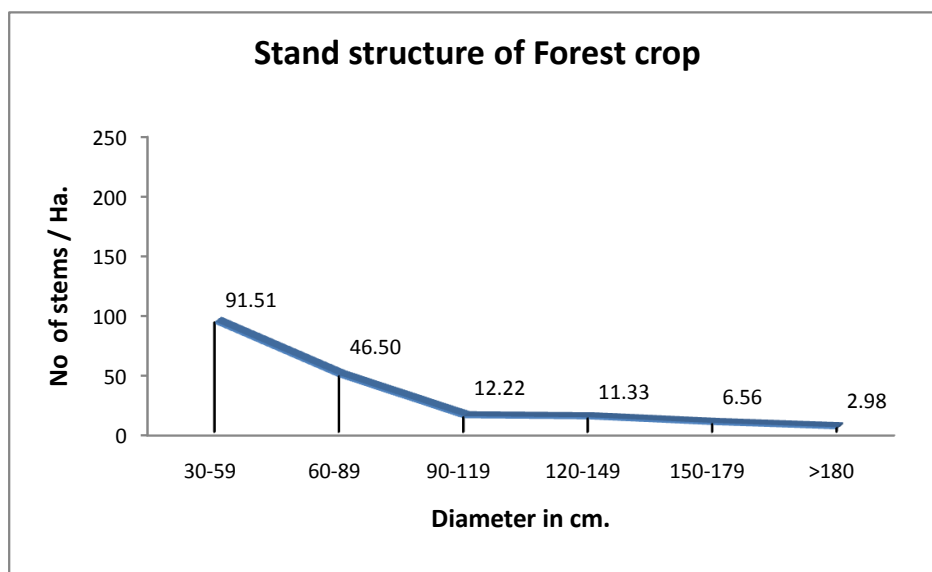
Range: Polsara

Total Compt. area: 335.48

% of Enum.: 01

Total area Enum.: 3.35

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	12.82	6.26	5.07	3.88	0.89	0.00	28.91	16.90
2	Piasal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Sisoo	1.49	0.00	0.00	0.00	0.00	0.00	1.49	0.87
4	Bandhan	1.19	0.00	0.00	0.00	0.00	0.00	1.19	0.70
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	2.38	1.19	1.79	0.89	0.30	0.30	6.86	4.01
7	Mundi	1.19	0.00	0.00	0.00	0.00	0.00	1.19	0.70
8	Kashi	0.60	0.60	0.00	0.00	0.60	0.00	1.79	1.05
9	Asan	3.88	3.28	1.79	1.49	0.30	0.30	11.03	6.45
10	Mai	4.47	1.19	3.28	5.07	1.49	0.30	15.80	9.23
11	Mahula	9.84	2.98	0.00	0.00	0.30	0.60	13.71	8.01
12	Mango	0.00	0.00	0.00	0.00	0.00	0.30	0.30	0.17
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	0.89	0.89	0.00	0.00	0.00	0.00	1.79	1.05
15	Char	10.13	1.79	0.30	0.00	0.00	0.00	12.22	7.14
16	Kendu	4.47	2.98	0.00	0.00	0.89	0.30	8.64	5.05
17	Bahada	0.00	0.60	0.00	0.00	0.00	0.00	0.60	0.35
18	Harida	1.19	1.79	0.00	0.00	0.00	0.00	2.98	1.74
19	Kusum	0.00	0.00	0.00	0.00	0.30	0.00	0.30	0.17
20	Bela	0.89	1.49	0.00	0.00	0.00	0.00	2.38	1.39
21	Jamun	1.49	1.79	0.00	0.00	0.30	0.00	3.58	2.09
22	Misc.	34.58	19.67	0.00	0.00	1.19	0.89	56.34	32.93
	TOTAL:	91.51	46.50	12.22	11.33	6.56	2.98	171.10	100.00
	% (Ha.)	53.48	27.18	7.14	6.62	3.83	1.74	100.00	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Jokalundi DPF

Total no of Compt.: 1

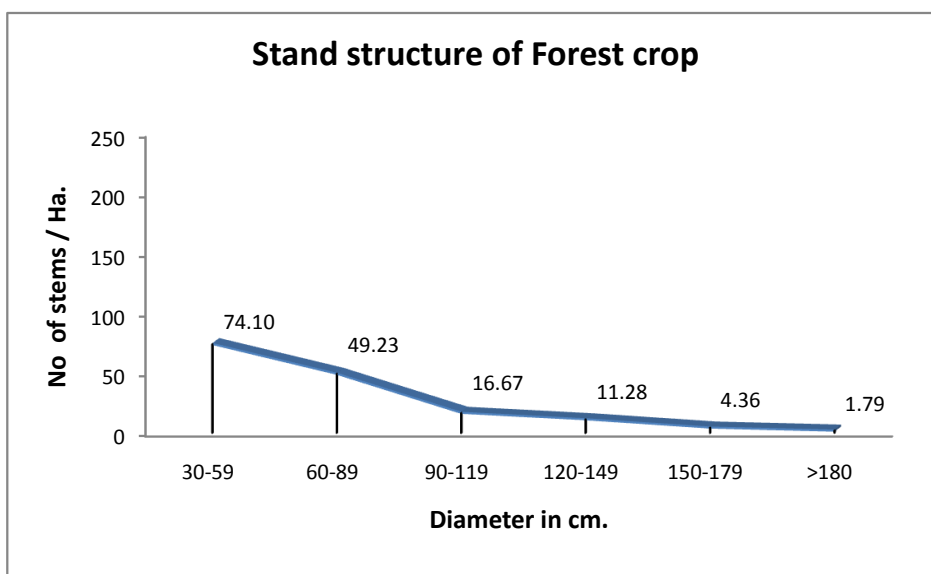
Range: Polsara

Total Compt. area: 390.00

% of Enum.: 01

Total area Enum.: 3.90

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	3.08	0.00	0.00	4.62	0.26	0.26	8.21	4.80
2	Piasal	0.00	0.26	2.05	0.26	0.00	0.00	2.56	1.50
3	Sisoo	0.00	0.26	0.00	0.00	0.00	0.00	0.26	0.15
4	Bandhan	0.51	3.08	1.28	0.77	0.00	0.00	5.64	3.30
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.00	2.05	1.03	0.00	0.26	0.00	3.33	1.95
7	Mundi	5.90	5.90	0.00	0.00	0.26	0.00	12.05	7.04
8	Kashi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Asan	3.85	1.54	0.00	0.00	0.77	0.26	6.41	3.75
10	Mai	6.67	5.90	0.00	0.00	0.00	0.00	12.56	7.34
11	Mahula	8.46	0.00	0.00	2.82	1.79	0.00	13.08	7.64
12	Mango	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	1.79	0.51	0.00	0.00	0.00	0.00	2.31	1.35
15	Char	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	Kendu	8.46	0.00	0.00	0.26	0.00	0.26	8.97	5.25
17	Bahada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	Harida	2.31	1.54	1.28	0.26	0.00	0.00	5.38	3.15
19	Kusum	0.00	0.00	3.59	2.31	0.26	0.26	6.41	3.75
20	Bela	1.03	0.77	0.00	0.00	0.00	0.00	1.79	1.05
21	Jamun	0.51	0.00	0.00	0.00	0.00	0.00	0.51	0.30
22	Misc.	31.54	27.44	7.44	0.00	0.77	0.77	67.95	39.71
	TOTAL:	74.10	49.23	16.67	11.28	4.36	1.79	157.44	92.01
	% (Ha.)	43.31	28.77	9.74	6.59	2.55	1.05	92.01	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Kakudia DPF

Total no of Compt.: 1

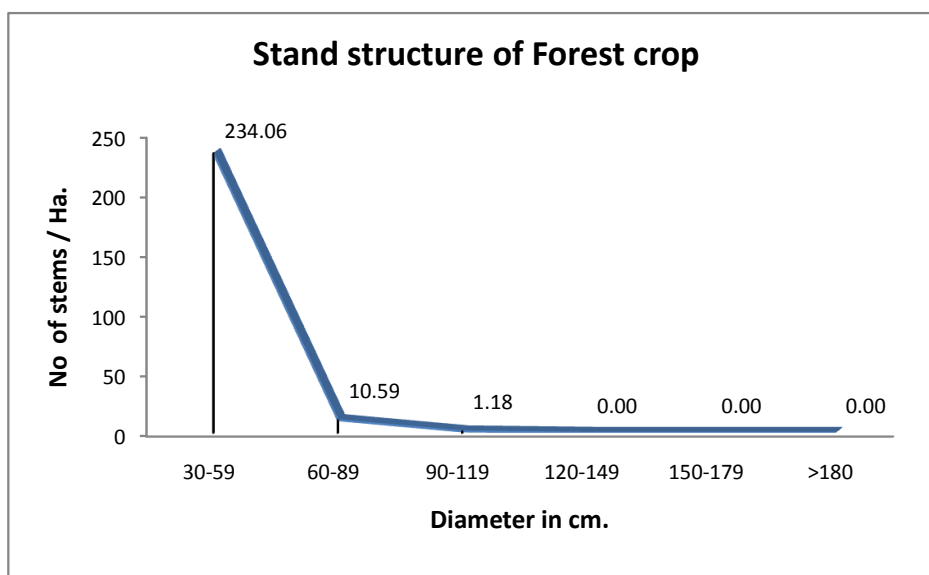
Range: Polsara

Total Compt. area: 85.02

% of Enum.: 01

Total area Enum.: 0.85

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Piasal	27.05	2.35	0.00	0.00	0.00	0.00	29.40	17.19
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Mundi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Kashi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Asan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Mai	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Mahula	17.64	0.00	0.00	0.00	0.00	0.00	17.64	10.31
12	Mango	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	Char	35.29	0.00	0.00	0.00	0.00	0.00	35.29	20.62
16	Kendu	11.76	2.35	0.00	0.00	0.00	0.00	14.11	8.25
17	Bahada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	8.23	1.18	0.00	0.00	0.00	0.00	9.41	5.50
20	Bela	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	Jamun	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	Misc.	134.09	4.70	1.18	0.00	0.00	0.00	139.97	81.81
	TOTAL:	234.06	10.59	1.18	0.00	0.00	0.00	245.82	143.67
	% (Ha.)	136.80	6.19	0.69	0.00	0.00	0.00	143.67	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Sodaka-A DPF

Total no of Compt.: 1

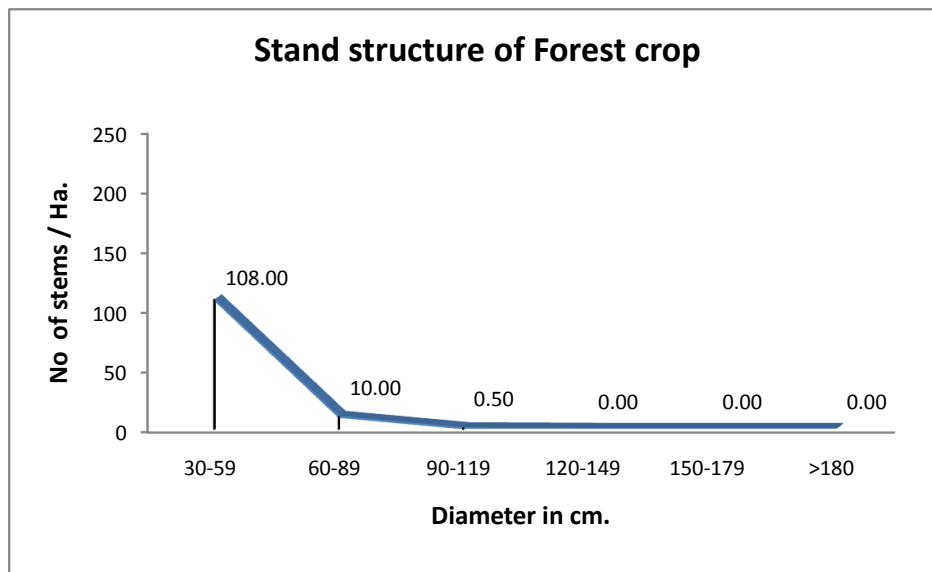
Range: Polsara

Total Compt. area: 400.00

% of Enum.: 01

Total area Enum.: 4.00

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Piasal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Mundi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Kashi	9.50	0.00	0.00	0.00	0.00	0.00	9.50	5.55
9	Asan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Mai	34.75	4.00	0.50	0.00	0.00	0.00	39.25	22.94
11	Mahula	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Mango	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	Char	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	Kendu	5.75	0.50	0.00	0.00	0.00	0.00	6.25	3.65
17	Bahada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Bela	6.75	0.25	0.00	0.00	0.00	0.00	7.00	4.09
21	Jamun	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	Misc.	51.25	5.25	0.00	0.00	0.00	0.00	56.50	33.02
	TOTAL:	108.00	10.00	0.50	0.00	0.00	0.00	118.50	69.26
	% (Ha.)	63.12	5.84	0.29	0.00	0.00	0.00	69.26	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Sodaka-B DPF

Total no of Compt.: 1

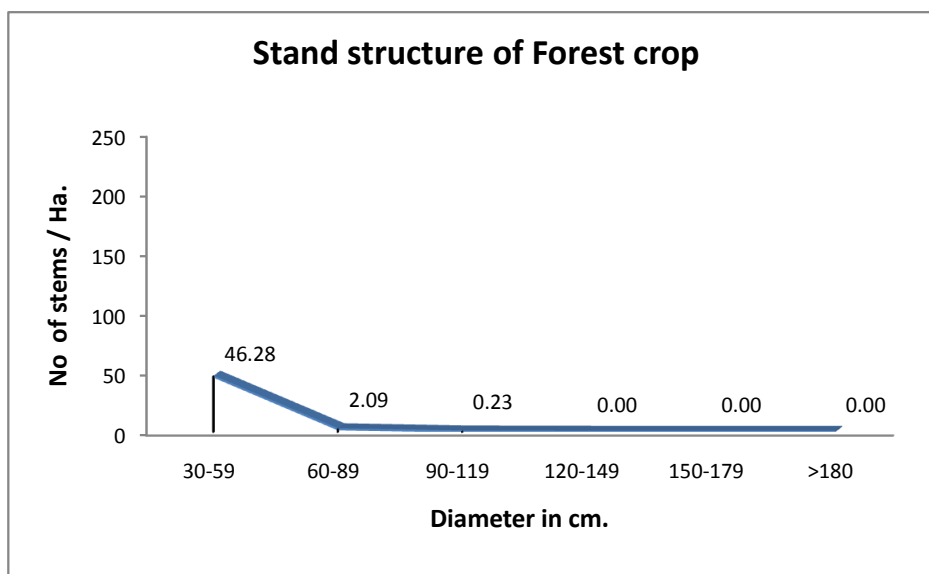
Range: Polsara

Total Compt. area: 430.00

% of Enum.: 01

Total area Enum.: 4.30

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Piasal	5.35	0.47	0.00	0.00	0.00	0.00	5.81	3.40
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Mundi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Kashi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Asan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Mai	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Mahula	3.49	0.00	0.00	0.00	0.00	0.00	3.49	2.04
12	Mango	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	Char	6.98	0.00	0.00	0.00	0.00	0.00	6.98	4.08
16	Kendu	2.33	0.47	0.00	0.00	0.00	0.00	2.79	1.63
17	Bahada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	1.63	0.23	0.00	0.00	0.00	0.00	1.86	1.09
20	Bela	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	Jamun	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	Misc.	26.51	0.93	0.23	0.00	0.00	0.00	27.67	16.17
	TOTAL:	46.28	2.09	0.23	0.00	0.00	0.00	48.60	28.41
	% (Ha.)	27.05	1.22	0.14	0.00	0.00	0.00	28.41	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Bhalukhai DPF

Total no of Compt.: 1

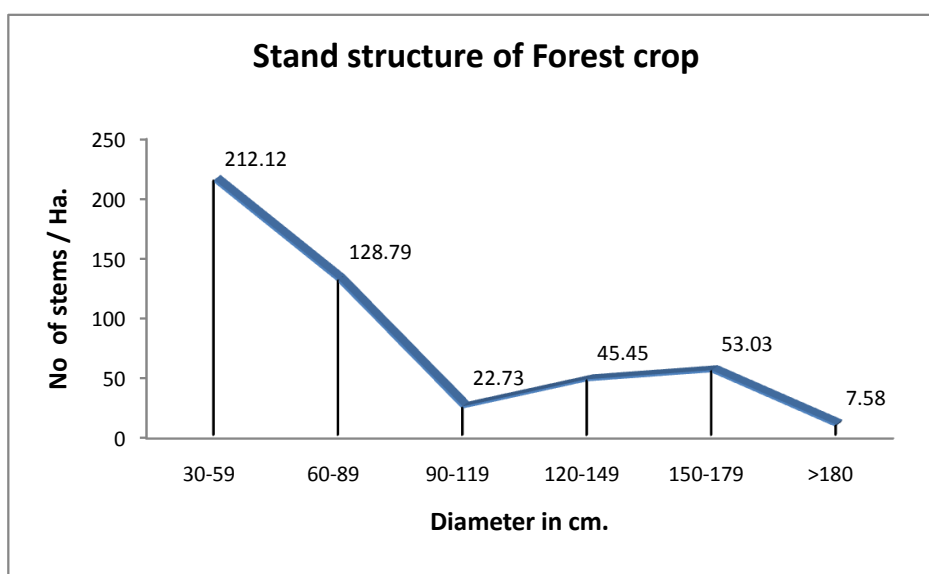
Range: Polsara

Total Compt. area: 13.20

% of Enum.: 01

Total area Enum.: 0.13

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	37.88	7.58	0.00	0.00	0.00	0.00	45.45	26.57
2	Piasal	7.58	7.58	0.00	15.15	0.00	0.00	30.30	17.71
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Mundi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Kashi	0.00	15.15	0.00	0.00	7.58	0.00	22.73	13.28
9	Asan	0.00	15.15	0.00	0.00	7.58	0.00	22.73	13.28
10	Mai	0.00	0.00	15.15	7.58	0.00	0.00	22.73	13.28
11	Mahula	22.73	0.00	0.00	0.00	7.58	0.00	30.30	17.71
12	Mango	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	Char	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	Kendu	0.00	30.30	0.00	0.00	0.00	0.00	30.30	17.71
17	Bahada	22.73	0.00	0.00	7.58	0.00	0.00	30.30	17.71
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	7.58	0.00	0.00	0.00	15.15	0.00	22.73	13.28
20	Bela	15.15	0.00	0.00	0.00	0.00	0.00	15.15	8.86
21	Jamun	0.00	15.15	0.00	0.00	0.00	0.00	15.15	8.86
22	Misc.	98.48	37.88	7.58	15.15	15.15	7.58	181.82	106.27
	TOTAL:	212.12	128.79	22.73	45.45	53.03	7.58	469.70	274.52
	% (Ha.)	123.98	75.27	13.28	26.57	30.99	4.43	274.52	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Pandripada DPF

Total no of Compt.: 38

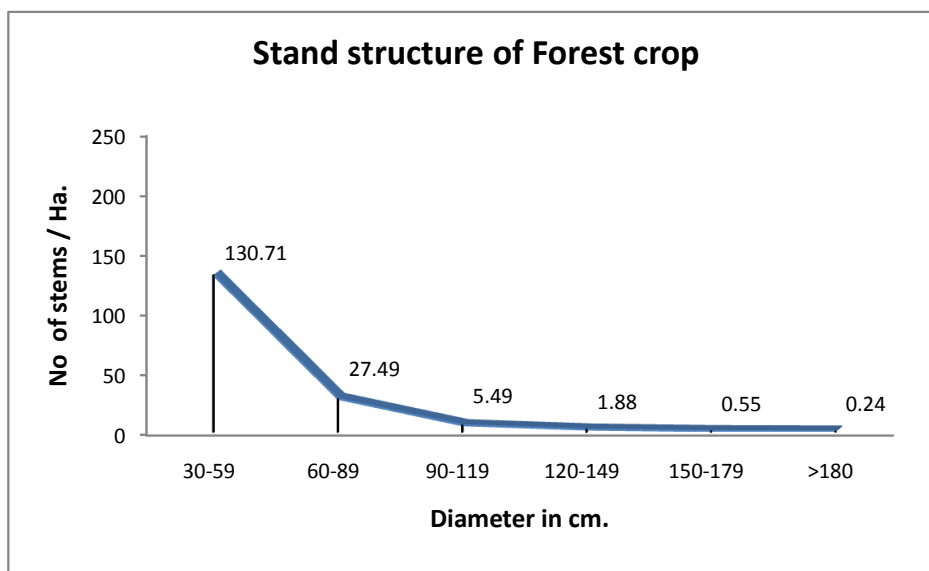
Range: Polsara

Total Compt. area: 13180.00

% of Enum.: 01

Total area Enum.: 131.80

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	29.25	6.34	2.14	0.99	0.30	0.07	39.10	22.85
2	Piasal	2.96	0.49	0.05	0.00	0.00	0.00	3.50	2.04
3	Sisoo	0.50	0.00	0.00	0.00	0.00	0.00	0.50	0.29
4	Bandhan	0.24	0.04	0.01	0.00	0.00	0.00	0.29	0.17
5	Gambhar	0.08	0.00	0.00	0.00	0.00	0.00	0.08	0.04
6	Halanda	0.74	0.07	0.03	0.02	0.00	0.00	0.86	0.50
7	Mundi	0.53	0.01	0.02	0.02	0.00	0.00	0.57	0.33
8	Kashi	4.28	0.79	0.06	0.04	0.00	0.00	5.17	3.02
9	Asan	11.43	2.50	0.23	0.01	0.00	0.00	14.16	8.27
10	Mai	12.85	3.96	1.12	0.27	0.00	0.01	18.21	10.64
11	Mahula	4.07	1.43	0.19	0.03	0.01	0.02	5.75	3.36
12	Mango	0.01	0.03	0.04	0.05	0.05	0.05	0.22	0.13
13	Tamarind	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00
14	Amla	0.35	0.02	0.00	0.00	0.00	0.00	0.36	0.21
15	Char	9.78	0.71	0.03	0.00	0.00	0.00	10.52	6.15
16	Kendu	7.31	1.42	0.26	0.06	0.06	0.00	9.10	5.32
17	Bahada	1.40	0.22	0.02	0.00	0.00	0.00	1.64	0.96
18	Harida	0.86	0.16	0.02	0.00	0.00	0.00	1.04	0.61
19	Kusum	1.92	0.18	0.03	0.02	0.04	0.00	2.19	1.28
20	Bela	2.72	0.36	0.02	0.00	0.00	0.00	3.10	1.81
21	Jamun	2.31	0.33	0.08	0.01	0.00	0.00	2.72	1.59
22	Misc.	37.12	8.43	1.16	0.38	0.10	0.10	47.29	27.64
	TOTAL:	130.71	27.49	5.49	1.88	0.55	0.24	166.37	97.23
	% (Ha.)	76.40	16.07	3.21	1.10	0.32	0.14	97.23	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Purunapani daburia PRF

Total no of Compt.: 8

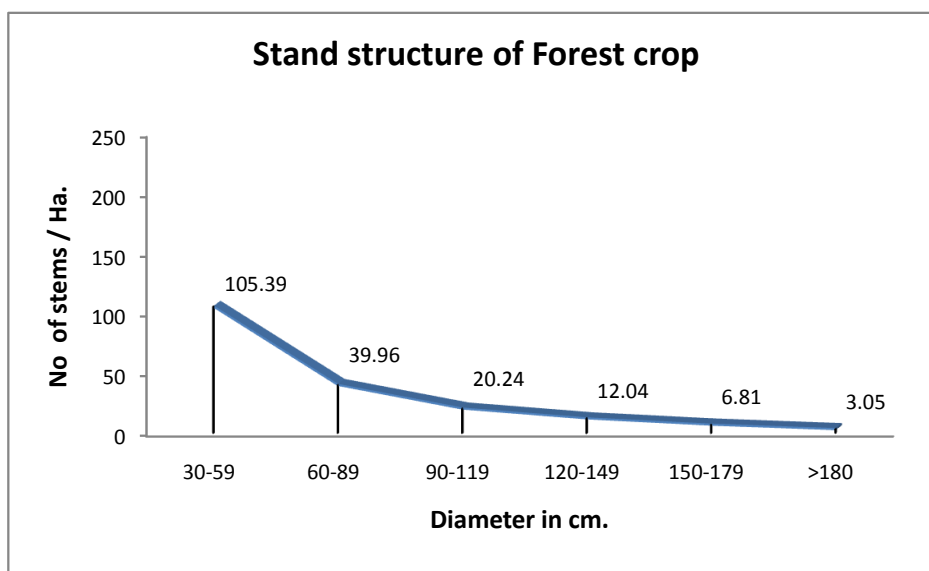
Range: Polsara

Total Compt. area: 2525.00

% of Enum.: 01

Total area Enum.: 25.25

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	8.51	4.99	2.73	1.15	0.87	0.59	18.85	11.02
2	Piasal	0.48	0.16	0.00	0.12	0.00	0.00	0.75	0.44
3	Sisoo	1.19	0.87	0.24	0.04	0.00	0.00	2.34	1.37
4	Bandhan	1.74	1.50	0.95	0.51	0.71	0.00	5.43	3.17
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	2.34	0.75	0.79	1.43	0.40	0.08	5.78	3.38
7	Mundi	0.71	1.03	0.59	0.71	0.00	0.08	3.13	1.83
8	Kashi	0.95	0.28	0.44	0.08	0.16	0.00	1.90	1.11
9	Asan	3.09	1.78	1.58	0.63	0.28	0.08	7.45	4.35
10	Mai	7.76	2.81	2.65	2.93	0.75	0.04	16.95	9.91
11	Mahula	3.49	0.71	1.11	0.63	0.24	0.32	6.50	3.80
12	Mango	0.00	0.00	0.00	0.00	0.00	0.12	0.12	0.07
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	3.29	1.07	0.00	0.00	0.00	0.00	4.36	2.55
15	Char	13.47	3.68	0.99	0.00	0.04	0.00	18.18	10.62
16	Kendu	5.66	2.34	1.07	0.55	0.08	0.08	9.78	5.72
17	Bahada	0.40	0.12	0.04	0.04	0.00	0.00	0.59	0.35
18	Harida	1.90	0.83	0.55	0.36	0.24	0.04	3.92	2.29
19	Kusum	7.45	1.94	0.91	0.51	0.75	0.67	12.24	7.15
20	Bela	1.54	0.55	0.12	0.00	0.00	0.00	2.22	1.30
21	Jamun	0.32	0.36	0.12	0.04	0.00	0.00	0.83	0.49
22	Misc.	41.11	14.18	5.35	2.30	2.30	0.95	66.18	38.68
	TOTAL:	105.39	39.96	20.24	12.04	6.81	3.05	187.49	109.58
	% (Ha.)	61.59	23.36	11.83	7.04	3.98	1.78	109.58	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Khaladimal PRF

Total no of Compt.: 6

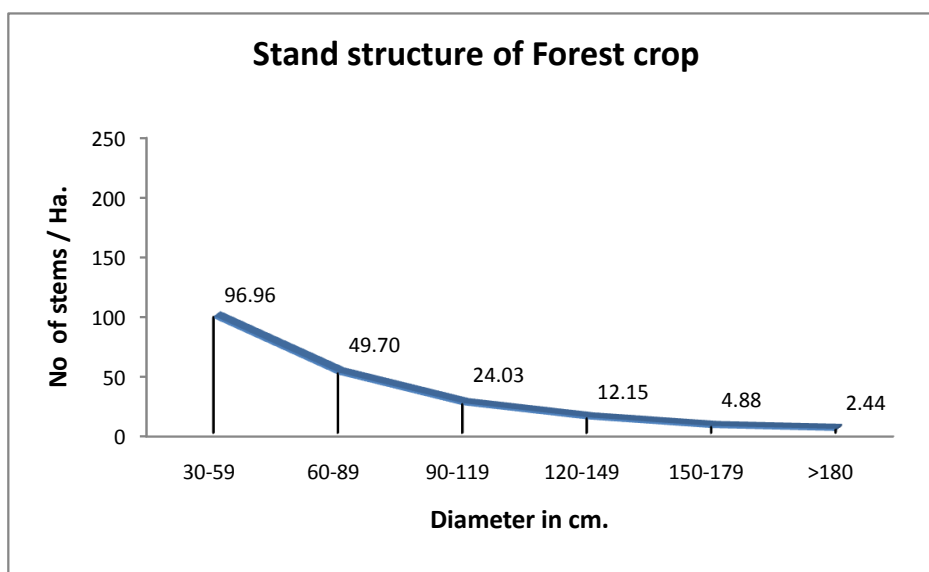
Range: Polsara

Total Compt. area: 1515.00

% of Enum.: 01

Total area Enum.: 15.15

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	8.32	5.08	2.18	2.31	0.53	0.07	18.48	10.80
2	Piasal	0.53	0.79	0.33	0.40	0.00	0.00	2.05	1.20
3	Sisoo	0.86	0.66	0.86	0.07	0.00	0.00	2.44	1.43
4	Bandhan	1.78	2.31	0.26	0.07	0.07	0.13	4.62	2.70
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	1.65	0.92	0.86	0.99	0.20	0.33	4.95	2.89
7	Mundi	2.24	0.86	0.33	0.07	0.07	0.00	3.56	2.08
8	Kashi	2.84	0.99	0.33	0.07	0.13	0.00	4.36	2.55
9	Asan	3.30	3.37	1.78	1.06	0.40	0.33	10.23	5.98
10	Mai	6.53	5.54	3.56	2.31	0.53	0.13	18.61	10.88
11	Mahula	4.03	1.52	2.24	1.06	0.79	0.07	9.70	5.67
12	Mango	15.91	11.55	1.91	0.00	0.46	0.40	30.23	17.67
13	Tamarind	2.05	1.78	1.06	0.07	0.07	0.07	5.08	2.97
14	Amla	1.65	1.19	0.26	0.00	0.00	0.00	3.10	1.81
15	Char	4.29	0.40	0.07	0.00	0.00	0.00	4.75	2.78
16	Kendu	4.88	1.85	0.99	0.92	0.20	0.13	8.98	5.25
17	Bahada	0.40	0.13	0.07	0.07	0.00	0.00	0.66	0.39
18	Harida	2.38	1.45	0.73	0.07	0.00	0.00	4.62	2.70
19	Kusum	0.66	0.40	0.92	0.99	0.66	0.33	3.96	2.31
20	Bela	2.97	1.91	0.26	0.00	0.13	0.00	5.28	3.09
21	Jamun	0.92	0.40	0.13	0.00	0.00	0.00	1.45	0.85
22	Misc.	28.78	6.60	4.88	1.65	0.66	0.46	43.04	25.15
	TOTAL:	96.96	49.70	24.03	12.15	4.88	2.44	190.17	111.14
	% (Ha.)	56.67	29.05	14.04	7.10	2.85	1.43	111.14	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Pondakhol

Total compt.: 36

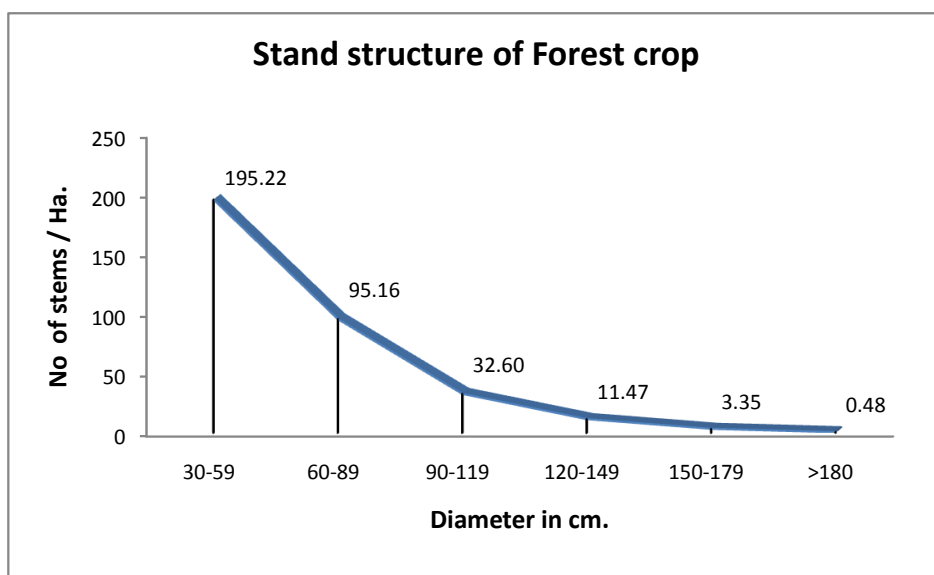
Range: Sorada

Total block area: 15484.70

% of Enum.:

Total area Enum.: 740.39

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	30.75	16.34	7.37	3.15	1.15	0.17	58.93	17.42
2	Piasal	0.87	0.50	0.16	0.01	0.00	0.00	1.55	0.46
3	Sisoo	0.36	0.23	0.04	0.00	0.00	0.00	0.63	0.19
4	Bandhan	10.09	4.77	2.23	0.21	0.03	0.00	17.33	5.12
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
6	Halanda	8.24	4.11	1.57	0.16	0.04	0.02	14.14	4.18
7	Mundi	3.46	2.14	0.42	0.16	0.02	0.00	6.20	1.83
8	Kashi	3.54	1.60	0.24	0.03	0.01	0.00	5.42	1.60
9	Asan	12.51	6.72	2.67	0.89	0.08	0.02	22.89	6.77
10	Mai	13.36	7.99	2.84	1.25	0.12	0.02	25.58	7.56
11	Mahula	4.70	1.45	0.71	0.28	0.05	0.02	7.21	2.13
12	Mango	0.00	0.01	0.02	0.01	0.01	0.02	0.07	0.02
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00
14	Amla	2.31	0.84	0.05	0.01	0.00	0.00	3.21	0.95
15	Char	15.99	5.07	0.51	0.03	0.01	0.00	21.60	6.38
16	Kendu	6.93	4.08	0.62	0.14	0.01	0.00	11.78	3.48
17	Bahada	1.00	0.48	0.07	0.02	0.00	0.00	1.57	0.46
18	Harida	1.25	0.72	0.16	0.04	0.01	0.00	2.18	0.65
19	Kusum	4.57	3.33	0.67	0.20	0.06	0.04	8.86	2.62
20	Bela	0.66	0.20	0.02	0.00	0.00	0.00	0.88	0.26
21	Jamun	1.32	0.87	0.10	0.08	0.00	0.00	2.38	0.70
22	Misc.	73.31	33.72	12.12	4.78	1.75	0.16	125.84	37.20
	TOTAL:	195.22	95.16	32.60	11.47	3.35	0.48	338.27	100.00
	% (Ha.)	57.71	28.13	9.64	3.39	0.99	0.14	100.00	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Dhaugam RF

Total no of Compt.: 2

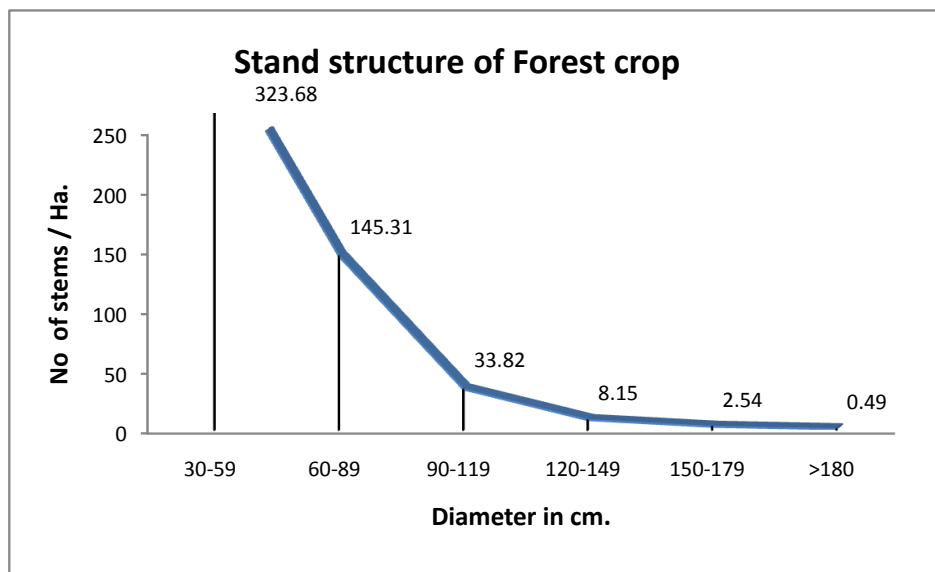
Range: Sorada

Total Compt. area: 626.10

% of Enum.: 05

Total area Enum.: 31.31

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	34.41	17.35	1.07	0.43	0.21	0.13	53.60	10.43
2	Piasal	1.03	0.19	0.00	0.00	0.00	0.00	1.21	0.24
3	Sisoo	1.31	0.37	0.33	0.00	0.00	0.00	2.01	0.39
4	Bandhan	4.82	2.61	0.42	0.14	0.00	0.00	7.99	1.55
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	5.95	3.44	0.51	0.00	0.00	0.00	9.90	1.93
7	Mundi	8.02	3.29	0.77	0.03	0.00	0.00	12.11	2.36
8	Kashi	12.05	5.21	0.52	0.12	0.26	0.14	18.30	3.56
9	Asan	17.56	6.03	3.97	0.87	0.28	0.00	28.71	5.59
10	Mai	20.98	12.90	4.56	1.75	0.17	0.00	40.37	7.85
11	Mahula	7.65	3.58	0.22	0.31	0.14	0.00	11.90	2.32
12	Mango	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Tamarind	0.02	0.03	0.05	0.00	0.00	0.00	0.10	0.02
14	Amla	2.36	1.12	0.02	0.00	0.00	0.00	3.49	0.68
15	Char	28.68	13.76	0.79	0.00	0.00	0.00	43.22	8.41
16	Kendu	6.49	3.29	0.97	0.54	0.14	0.00	11.43	2.22
17	Bahada	3.25	1.43	0.00	0.02	0.00	0.00	4.70	0.91
18	Harida	3.16	2.39	0.37	0.14	0.00	0.02	6.08	1.18
19	Kusum	11.14	4.74	1.90	0.57	0.00	0.00	18.36	3.57
20	Bela	5.05	3.41	0.14	0.00	0.00	0.00	8.60	1.67
21	Jamun	3.61	1.62	0.17	0.05	0.00	0.00	5.46	1.06
22	Misc.	146.13	58.57	17.05	3.18	1.35	0.20	226.47	44.06
	TOTAL:	323.68	145.31	33.82	8.15	2.54	0.49	513.99	100.00
	% (Ha.)	62.97	28.27	6.58	1.59	0.49	0.09	100.00	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Bandhagochha RF

Total no of Compt.: 2

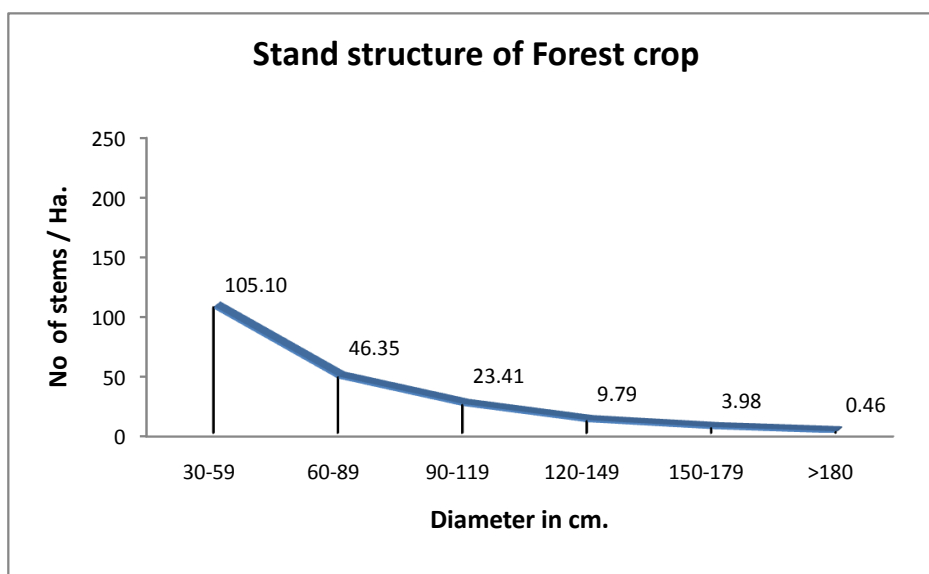
Range: Sorada

Total Compt. area: 1307.33

% of Enum.: 01

Total area Enum.: 13.07

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	38.70	10.56	4.90	0.46	0.31	0.00	54.92	16.24
2	Piasal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	1.22	0.46	0.31	0.00	0.00	0.00	1.99	0.59
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	1.84	0.61	0.46	0.15	0.46	0.00	3.52	1.04
7	Mundi	4.44	1.84	0.92	0.31	0.46	0.00	7.96	2.35
8	Kashi	3.52	1.84	0.92	0.00	0.00	0.00	6.27	1.85
9	Asan	5.20	2.60	1.22	0.92	0.46	0.00	10.40	3.08
10	Mai	7.19	3.37	1.38	0.46	0.00	0.00	12.39	3.66
11	Mahula	5.66	3.52	1.68	1.22	0.00	0.00	12.09	3.57
12	Mango	0.00	0.00	0.00	0.00	0.00	0.31	0.31	0.09
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	Char	4.13	1.07	0.00	0.00	0.00	0.00	5.20	1.54
16	Kendu	4.13	2.75	1.68	0.76	0.92	0.00	10.25	3.03
17	Bahada	0.15	0.00	0.00	0.00	0.00	0.00	0.15	0.05
18	Harida	0.46	0.15	0.00	0.00	0.00	0.00	0.61	0.18
19	Kusum	2.91	1.22	1.22	1.07	0.31	0.00	6.73	1.99
20	Bela	1.84	0.46	0.00	0.00	0.00	0.00	2.29	0.68
21	Jamun	0.31	0.00	0.00	0.00	0.00	0.00	0.31	0.09
22	Misc.	23.41	15.91	8.72	4.44	1.07	0.15	53.70	15.87
	TOTAL:	105.10	46.35	23.41	9.79	3.98	0.46	189.09	55.90
	% (Ha.)	31.07	13.70	6.92	2.89	1.18	0.14	55.90	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Dhepaguda RF

Total no of Compt.: 2

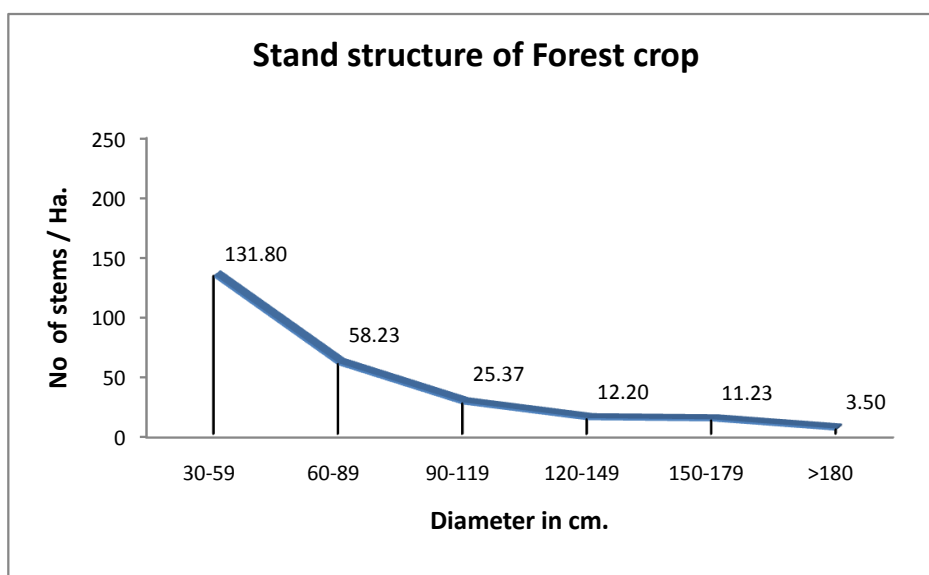
Range: Sorada

Total Compt. area: 827.78

% of Enum.: 01

Total area Enum.: 8.28

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	36.24	15.10	9.79	5.19	5.44	2.17	73.93	21.86
2	Piasal	0.85	0.24	0.00	0.00	0.00	0.00	1.09	0.32
3	Sisoo	0.00	0.12	0.00	0.00	0.00	0.00	0.12	0.04
4	Bandhan	1.69	0.97	0.24	0.12	0.00	0.00	3.02	0.89
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	4.71	2.42	1.33	0.72	0.72	0.12	10.03	2.96
7	Mundi	3.62	1.57	0.85	0.36	0.12	0.00	6.52	1.93
8	Kashi	3.50	0.60	0.48	0.36	0.24	0.00	5.19	1.54
9	Asan	7.73	3.62	1.33	0.72	0.97	0.24	14.62	4.32
10	Mai	7.49	3.50	1.93	0.60	0.36	0.00	13.89	4.11
11	Mahula	2.66	0.85	0.00	0.36	0.00	0.00	3.87	1.14
12	Mango	0.24	0.00	0.00	0.00	0.72	0.48	1.45	0.43
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	2.42	0.48	0.24	0.00	0.00	0.00	3.14	0.93
15	Char	8.09	3.62	0.60	0.24	0.00	0.00	12.56	3.71
16	Kendu	3.99	1.57	0.85	0.24	0.00	0.00	6.64	1.96
17	Bahada	0.72	0.24	0.24	0.12	0.00	0.00	1.33	0.39
18	Harida	0.97	0.85	0.60	0.00	0.00	0.00	2.42	0.71
19	Kusum	2.42	1.21	0.60	0.12	0.24	0.00	4.59	1.36
20	Bela	2.05	0.24	0.00	0.00	0.00	0.00	2.30	0.68
21	Jamun	1.81	0.60	0.85	0.36	0.48	0.00	4.11	1.21
22	Misc.	40.59	20.42	5.44	2.66	1.93	0.48	71.52	21.14
	TOTAL:	131.80	58.23	25.37	12.20	11.23	3.50	242.33	71.64
	% (Ha.)	38.96	17.21	7.50	3.61	3.32	1.04	71.64	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Dabuki RF

Total no of Compt.: 1

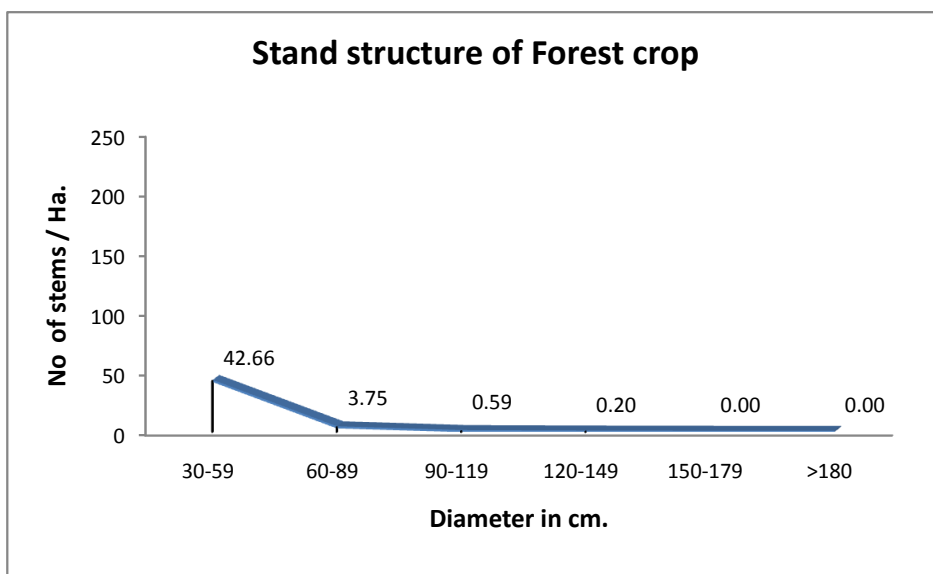
Range: Sorada

Total Compt. area: 506.32

% of Enum.: 01

Total area Enum.: 5.06

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	8.49	0.79	0.00	0.00	0.00	0.00	9.28	2.74
2	Piasal	0.59	0.00	0.00	0.00	0.00	0.00	0.59	0.18
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.99	0.00	0.00	0.00	0.00	0.00	0.99	0.29
7	Mundi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Kashi	1.38	0.00	0.00	0.00	0.00	0.00	1.38	0.41
9	Asan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Mai	4.35	1.58	0.59	0.20	0.00	0.00	6.72	1.99
11	Mahula	4.54	0.40	0.00	0.00	0.00	0.00	4.94	1.46
12	Mango	1.38	0.00	0.00	0.00	0.00	0.00	1.38	0.41
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	1.38	0.00	0.00	0.00	0.00	0.00	1.38	0.41
15	Char	5.73	0.00	0.00	0.00	0.00	0.00	5.73	1.69
16	Kendu	3.36	0.00	0.00	0.00	0.00	0.00	3.36	0.99
17	Bahada	0.99	0.00	0.00	0.00	0.00	0.00	0.99	0.29
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Bela	2.17	0.00	0.00	0.00	0.00	0.00	2.17	0.64
21	Jamun	0.59	0.00	0.00	0.00	0.00	0.00	0.59	0.18
22	Misc.	6.72	0.99	0.00	0.00	0.00	0.00	7.70	2.28
	TOTAL:	42.66	3.75	0.59	0.20	0.00	0.00	47.20	13.95
	% (Ha.)	12.61	1.11	0.18	0.06	0.00	0.00	13.95	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Hukuma RF

Total no of Compt.: 3

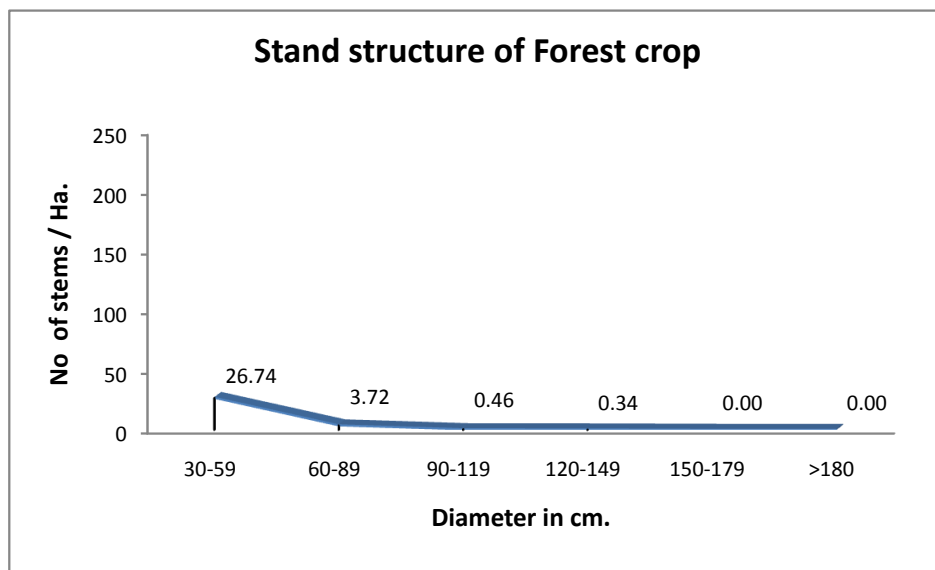
Range: Sorada

Total Compt. area: 1746.40

% of Enum.: 01

Total area Enum.: 17.46

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Piasal	0.23	0.00	0.00	0.00	0.00	0.00	0.23	0.07
3	Sisoo	1.60	0.17	0.00	0.00	0.00	0.00	1.78	0.52
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	1.60	0.23	0.00	0.00	0.00	0.00	1.83	0.54
6	Halanda	0.57	0.00	0.00	0.00	0.00	0.00	0.57	0.17
7	Mundi	0.69	0.00	0.00	0.00	0.00	0.00	0.69	0.20
8	Kashi	1.66	0.29	0.06	0.00	0.00	0.00	2.00	0.59
9	Asan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Mai	3.89	1.20	0.17	0.29	0.00	0.00	5.55	1.64
11	Mahula	3.09	0.92	0.00	0.00	0.00	0.00	4.01	1.18
12	Mango	1.20	0.11	0.17	0.06	0.00	0.00	1.55	0.46
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	0.97	0.00	0.00	0.00	0.00	0.00	0.97	0.29
15	Char	2.63	0.11	0.00	0.00	0.00	0.00	2.75	0.81
16	Kendu	2.69	0.06	0.00	0.00	0.00	0.00	2.75	0.81
17	Bahada	0.46	0.00	0.00	0.00	0.00	0.00	0.46	0.14
18	Harida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Kusum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Bela	1.32	0.00	0.00	0.00	0.00	0.00	1.32	0.39
21	Jamun	0.23	0.00	0.00	0.00	0.00	0.00	0.23	0.07
22	Misc.	3.89	0.63	0.06	0.00	0.00	0.00	4.58	1.35
	TOTAL:	26.74	3.72	0.46	0.34	0.00	0.00	31.26	9.24
	% (Ha.)	7.91	1.10	0.14	0.10	0.00	0.00	9.24	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Mundapita RF

Total no of Compt.: 4

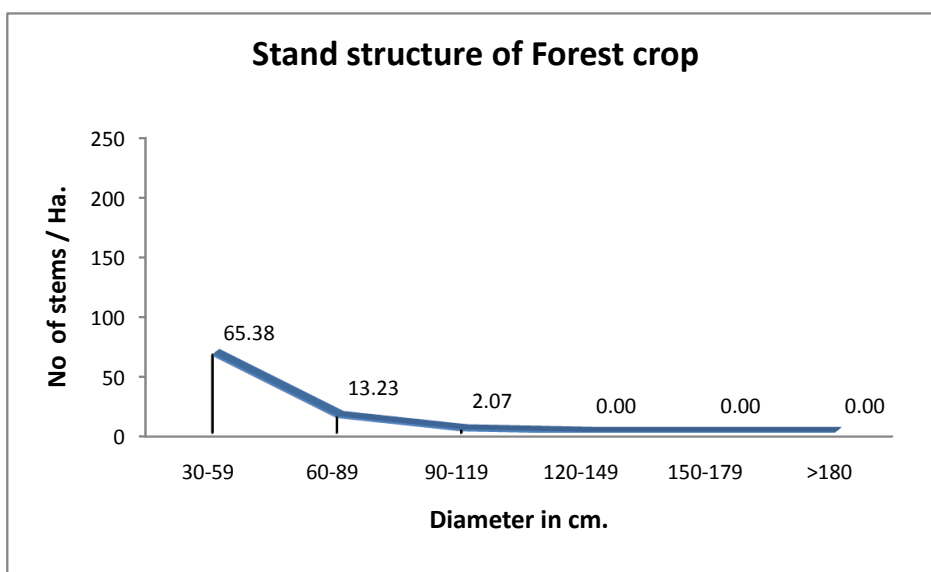
Range: Sorada

Total Compt. area: 2268.15

% of Enum.: 01

Total area Enum.: 22.68

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	16.49	4.41	0.62	0.00	0.00	0.00	21.52	6.36
2	Piasal	0.48	0.00	0.00	0.00	0.00	0.00	0.48	0.14
3	Sisoo	1.68	0.40	0.13	0.00	0.00	0.00	2.20	0.65
4	Bandhan	0.40	0.00	0.00	0.00	0.00	0.00	0.40	0.12
5	Gambhar	0.22	0.00	0.00	0.00	0.00	0.00	0.22	0.07
6	Halanda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Mundi	0.84	0.00	0.00	0.00	0.00	0.00	0.84	0.25
8	Kashi	1.10	0.13	0.00	0.00	0.00	0.00	1.23	0.36
9	Asan	6.92	0.97	0.13	0.00	0.00	0.00	8.02	2.37
10	Mai	9.44	2.38	0.26	0.00	0.00	0.00	12.08	3.57
11	Mahula	1.06	0.00	0.00	0.00	0.00	0.00	1.06	0.31
12	Mango	0.13	0.00	0.00	0.00	0.00	0.00	0.13	0.04
13	Tamarind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Amla	0.35	0.00	0.00	0.00	0.00	0.00	0.35	0.10
15	Char	5.73	0.75	0.04	0.00	0.00	0.00	6.53	1.93
16	Kendu	0.31	0.00	0.00	0.00	0.00	0.00	0.31	0.09
17	Bahada	0.66	0.00	0.00	0.00	0.00	0.00	0.66	0.20
18	Harida	0.31	0.00	0.00	0.00	0.00	0.00	0.31	0.09
19	Kusum	0.84	0.04	0.00	0.00	0.00	0.00	0.88	0.26
20	Bela	0.88	0.09	0.00	0.00	0.00	0.00	0.97	0.29
21	Jamun	0.62	0.00	0.00	0.00	0.00	0.00	0.62	0.18
22	Misc.	16.93	4.06	0.88	0.00	0.00	0.00	21.87	6.46
	TOTAL:	65.38	13.23	2.07	0.00	0.00	0.00	80.68	23.85
	% (Ha.)	19.33	3.91	0.61	0.00	0.00	0.00	23.85	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Pipalpanka RF

Total no of Compt.: 6

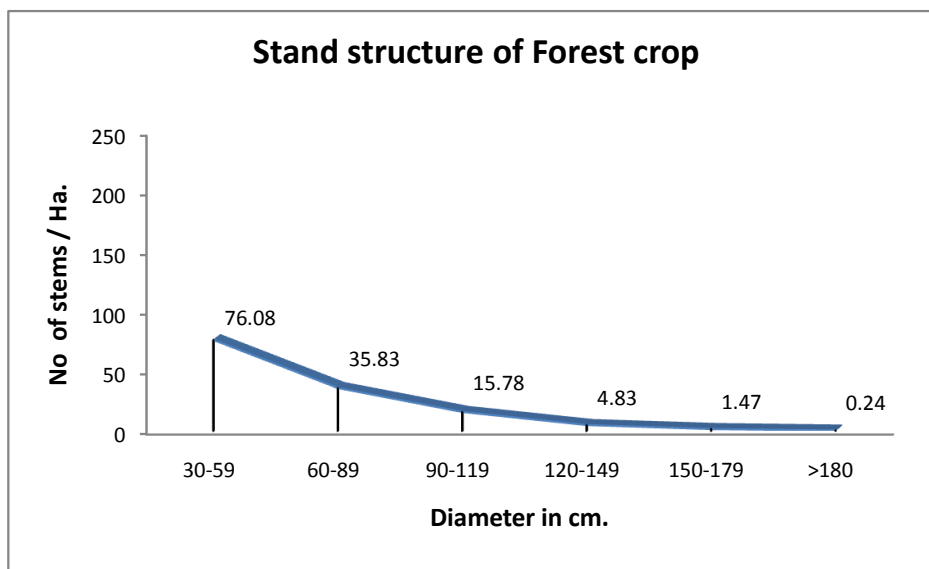
Range: Sorada

Total Compt. area: 3396.40

% of Enum.: 01

Total area Enum.: 33.96

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	24.23	11.60	5.21	1.62	0.47	0.06	43.19	12.77
2	Piasal	0.56	0.24	0.00	0.00	0.00	0.00	0.79	0.24
3	Sisoo	0.29	0.12	0.00	0.00	0.00	0.00	0.41	0.12
4	Bandhan	1.53	0.74	0.21	0.03	0.03	0.00	2.53	0.75
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.88	0.38	0.15	0.03	0.03	0.00	1.47	0.44
7	Mundi	1.00	0.53	0.26	0.18	0.06	0.00	2.03	0.60
8	Kashi	1.15	0.62	0.38	0.00	0.03	0.00	2.18	0.64
9	Asan	4.39	1.77	0.62	0.18	0.06	0.00	7.01	2.07
10	Mai	3.39	1.77	0.94	0.29	0.06	0.00	6.45	1.91
11	Mahula	2.03	1.09	0.12	0.12	0.06	0.00	3.42	1.01
12	Mango	0.21	0.06	0.00	0.00	0.15	0.09	0.50	0.15
13	Tamarind	0.29	0.21	0.24	0.12	0.09	0.00	0.94	0.28
14	Amla	2.09	0.53	0.12	0.00	0.00	0.00	2.74	0.81
15	Char	2.59	0.97	0.26	0.00	0.00	0.00	3.83	1.13
16	Kendu	2.56	1.27	0.50	0.21	0.09	0.00	4.62	1.37
17	Bahada	0.88	0.38	0.15	0.06	0.00	0.00	1.47	0.44
18	Harida	1.44	0.59	0.26	0.06	0.03	0.00	2.38	0.71
19	Kusum	1.12	0.47	0.18	0.09	0.00	0.03	1.88	0.56
20	Bela	1.00	0.38	0.09	0.06	0.00	0.00	1.53	0.45
21	Jamun	1.59	0.71	0.21	0.09	0.00	0.00	2.59	0.77
22	Misc.	22.85	11.42	5.89	1.71	0.32	0.06	42.25	12.49
	TOTAL:	76.08	35.83	15.78	4.83	1.47	0.24	134.23	39.68
	% (Ha.)	22.49	10.59	4.67	1.43	0.44	0.07	39.68	



ABSTRACT OF ENUMERATION RESULTS

Number of trees species-wise, girth class-wise and block-wise per Hectare

Block: Pankalgam RF

Total no of Compt.: 1

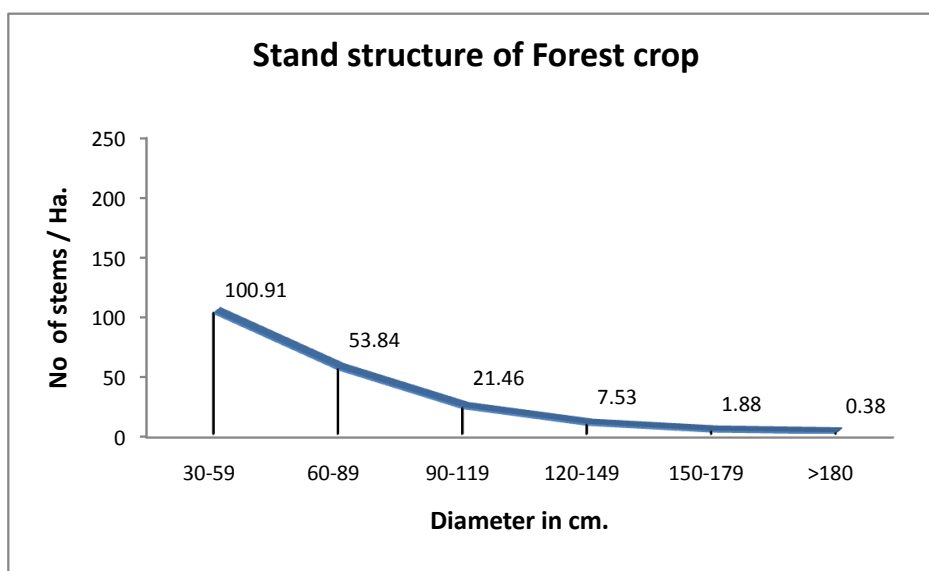
Range: Sorada

Total Compt. area: 265.59

% of Enum.: 01

Total area Enum.: 2.66

Sl. No.	Name of the Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	Total	% of composition
1	Sal	32.76	12.80	4.89	1.51	0.00	0.00	51.96	15.36
2	Piasal	0.38	0.38	0.00	0.00	0.00	0.00	0.75	0.22
3	Sisoo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Bandhan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Gambhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Halanda	0.75	0.38	0.00	0.00	0.00	0.00	1.13	0.33
7	Mundi	1.51	0.75	0.00	0.00	0.00	0.00	2.26	0.67
8	Kashi	1.51	0.75	0.00	0.00	0.00	0.00	2.26	0.67
9	Asan	3.01	1.51	0.00	0.00	0.00	0.00	4.52	1.34
10	Mai	1.51	2.64	1.51	0.00	0.00	0.00	5.65	1.67
11	Mahula	8.28	4.52	0.00	0.38	0.38	0.00	13.55	4.01
12	Mango	0.00	0.00	0.00	0.00	0.38	0.00	0.38	0.11
13	Tamarind	0.00	0.38	0.00	0.00	0.00	0.00	0.38	0.11
14	Amla	0.75	0.00	0.00	0.00	0.00	0.00	0.75	0.22
15	Char	3.39	0.38	0.00	0.00	0.00	0.00	3.77	1.11
16	Kendu	3.01	2.26	0.38	0.38	0.00	0.00	6.02	1.78
17	Bahada	0.38	0.00	0.00	0.00	0.00	0.00	0.38	0.11
18	Harida	0.00	0.38	0.00	0.00	0.00	0.00	0.38	0.11
19	Kusum	1.51	1.13	0.38	0.38	0.00	0.00	3.39	1.00
20	Bela	0.75	1.13	0.00	0.00	0.00	0.00	1.88	0.56
21	Jamun	1.13	0.75	0.38	0.00	0.00	0.00	2.26	0.67
22	Misc.	40.29	23.72	13.93	4.89	1.13	0.38	84.34	24.93
	TOTAL:	100.91	53.84	21.46	7.53	1.88	0.38	186.00	54.99
	% (Ha.)	29.83	15.92	6.34	2.23	0.56	0.11	54.99	



COMPARTMENT WISE AREA ALLOTMENT TO VARIOUS WORKING CIRCLES

Name of the Range	Name of the Forest Blocks as per Management	Compartment No (ha.)	Area of comp. (ha)	Total area of Forest Block (ha)	Selection Working Circle			Rehabilitation W Circle			Plantation Working Circle			Protection Working Circle			Bamboo (OL)	NTFP (OL)	Wild Life (OL)	JFM (OL)
					Compt. No	Area (ha.)	Total Area (ha.)	Compt. No	Area (ha.)	Total Area (ha.)	Compt. No	Area (ha.)	Total Area (ha.)	Compt. No	Area (ha.)	Total Area (ha.)				
SORADA	Bondhagocha	1	613.64											1	613.64	613.64				
		2	693.69	1307.33				2	693.69	693.69								1307.33	1307.33	
	Dhepaguda	1	334.78					1	334.78											
		2	493.00	827.78				2	493.00	827.78								827.78	827.78	
	Dabuki	1	506.32	506.32				1	506.32	506.32								506.32	506.32	
	Hukuma	1	692.91					1	692.91					1	0.00					
		2	531.01					2	0.00					2	531.01					
		3	522.48	1746.40				3	522.48	1135.39		80.00	80.00	3	0.00	531.01		1746.40	1746.40	
	Dhaugam	1[a]	250.90		1[a]	250.90		1[b]	203.06											
		1[b]	203.06																	
		1[c]	375.20		2[a]	375.20		2[b]	203.04	406.10								1032.20	1032.20	
		1[d]	203.04	1032.20			626.10													
	Mundapita	1	627.36					1	627.36											
		2	553.98					2	553.98											
		3	610.52					3	610.52											
		4	476.29	2268.15				4	476.29	2153.15	1	115.00	115.00					2268.15	2268.15	
	Pipalpanka	1	441.76					1	441.76											
		2	553.13					2	553.13											
		3	606.03					3	606.03											
		4	558.20					4	558.20											
		5	600.22					5	600.22											
		6	637.06	3396.40				6	637.06	3316.40		80.00	80.00				2874.64	3396.40	3396.40	
	Pondakhol	1	526.00		1	526.00														
		2	332.90		2	332.90														
		3	441.33		3	441.33														
		4	229.51		4	229.51														
		5[a]	383.66		5[a]	383.66		5[b]	100.82											
		5[b]	100.82																	
		6	313.42		6	313.42														
		7	378.14		7	378.14														
		8	344.37		8	344.37														
		9	419.68		9	419.68														
		10	240.38		10	240.38														
		11	487.22		11	487.22														
		12	334.67		12	334.67														

Name of the Range	Name of the Forest Blocks as per Management	Compartment No (ha.)	Area of compt. (ha.)	Total area of Forest Block (ha.)	Selection Working Circle			Rehabilitation W Circle			Plantation Working Circle			Protection Working Circle			Bamboo (OL)	NTFP (OL)	Wild Life (OL)	JFM (OL)
					Compt. No	Area (ha.)	Total Area (ha.)	Compt. No	Area (ha.)	Total Area (ha.)	Compt. No	Area (ha.)	Total Area (ha.)	Compt. No	Area (ha.)	Total Area (ha.)				
SORADA		13	567.05		13	567.05														
		14	618.00		14	618.00														
		15	397.54		15	397.54														
		16	596.30		16	596.30														
		17	340.33		17	340.33														
		18	569.36		18	569.36														
		19	282.80		19	282.80														
		20	465.08		20	465.08														
		21	294.44		21	294.44														
		22	321.75		22	321.75														
		23	520.35		23	520.35														
		24	175.17		24	175.17														
		25	288.94		25	288.94														
		26	149.20		26	149.20														
		27[a]	449.26		27[a]	449.26														
		27[b]	245.62					27[b]	245.62											
		28	419.35		28	419.35														
		29[a]	578.64		29[a]	578.64														
		29[b]	198.50					29[b]	198.50											
		30	563.18		30	563.18														
		31	475.59		31	475.59														
		32	478.34		32	478.34														
		33	346.47		33	346.47														
		34	567.05		34	567.05														
		35	456.52		35	456.52														
		36[a]	286.58		36[a]	286.58														
		36[b]	301.19	15484.70			14638.57	36[b]	301.19	846.13							14638.57	15484.70	15484.70	
	Pankalagam	1	265.59	265.59										1	265.59	265.59	265.59	265.59	265.59	
BUGUDA	Budurung	1	316.11	316.11				1	286.11	286.11	1	30.00	30.00					316.11	316.11	
	Chamunda	1	265.59	265.59				1	265.59									265.59	265.59	
	Kadapada	1	677.36	677.36				1	497.36	497.36	1	180.00	180.00					677.36	677.36	
	Kurchuli-A	1	390.76											1	390.76					
		2	646.22											2	646.22					
		3	533.09					3	533.09											
		4	662.32	2232.39				4	662.32	1170.41		25.00	25.00			1036.98	1570.07	2232.39	2232.39	
	Kurchuli-B	1	354.66	354.66					354.66	354.66							354.66	354.66	354.66	
	Kriamba	1	432.88					1	432.88											
		2	639.53					2	639.53											
		3	555.56					3	555.56											
		4	959.71					0	0.00					4	959.71					

Name of the Range	Name of the Forest Blocks as per Management	Compartment No (ha.)	Area of compt. (ha)	Total area of Forest Block (ha)	Selection Working Circle			Rehabilitation W Circle			Plantation Working Circle			Protection Working Circle			Bamboo (OL)	NTFP (OL)	Wild Life (OL)	JFM (OL)										
					Compt. No	Area (ha.)	Total Area (ha.)	Compt. No	Area (ha.)	Total Area (ha.)	Compt. No	Area (ha.)	Total Area (ha.)	Compt. No	Area (ha.)	Total Area (ha.)														
BUGUDA		5	714.56					5	714.56																					
		6	756.83					6	756.83																					
		7	858.22					0	0.00												7	858.22								
		8	498.73					8	498.73																					
		9	465.24					9	465.24																					
		10	733.69					0	0.00												10	733.69								
		11	786.82					0	0.00												11	786.82								
		12	443.23					12	443.23																					
		13	876.22	8721.22				13	876.22											5025.28		357.50	357.50	3338.44	5881.20	8721.22	8721.22			
	Kumarsuni Vishnuchakram	1	1081.95	1081.95					1											931.95	931.95	1	150.00	150.00	1	931.95	931.95		1081.95	1081.95
	Binodia	1	209.96	209.96					1											159.96	159.96	1	50.00	50.00			209.96	209.96		
	Tangarai	1	817.49	817.49					1											667.49	667.49	1	150.00	150.00			817.49	817.49		
	Panchabhuti-C	1	198.39	198.39					1											198.39	198.39						198.39	198.39		
Panchabhuti-A	1	609.28			1	609.28																								
	2	282.83			2	282.83																								
	3	529.89			3	529.89																								
	4	368.28	1790.28		4	368.28												1515.28	275.00	275.00										
	Nagiri	1	449.55	449.55		1	449.55	449.55						449.55	449.55															
	Solundi	1	362.75	362.75		1	362.75	362.75						362.75	362.75															
	Jhollery	1	914.98	914.98		1	849.98	849.98	1	65.00	65.00			914.98	914.98															
	Sandasulia	1	848.34	848.34		1	698.34	698.34	1	150.00	150.00			848.34	848.34															
ASKA	Malijhar-I	1	410.00	410.00		1	410.00	410.00								410.00	410.00													
	Malijhar-II	1	355.00			1	355.00																							
		2	260.00			2	260.00																							
		3	300.00			3	300.00																							
		4	260.00			4	260.00																							
		5	345.00			5	345.00																							
		6	215.00	1735.00		6	215.00											1685.00	1	50.00	50.00		1735.00	1735.00						
	Ambadaban	1	175.00			1	115.00		1	60.00																				
		2	470.00			2	120.00		2	350.00																				
		3	140.00	785.00		3	80.00		315.00	3								60.00	470.00		785.00	785.00								
	Pakadi	1	250.00			1	220.00		1	30.00																				
		2	240.00			2	240.00		2	0.00																				
		3	140.00			3	47.00		3	93.00																				
		4	340.00			4	215.00		4	125.00																				
		5	220.00			5	220.00		5	0.00																				
		6	270.00			6	178.00		6	92.00																				
		7	130.00			7	50.00		7	80.00																				
		8	130.00			8	47.00		8	83.00																				

Name of the Range	Name of the Forest Blocks as per Management	Compartment No (ha.)	Area of compt. (ha.)	Total area of Forest Block (ha.)	Selection Working Circle			Rehabilitation W Circle			Plantation Working Circle			Protection Working Circle			Bamboo (OL)	NTFP (OL)	Wild Life (OL)	JFM (OL)
					Compt. No	Area (ha.)	Total Area (ha.)	Compt. No	Area (ha.)	Total Area (ha.)	Compt. No	Area (ha.)	Total Area (ha.)	Compt. No	Area (ha.)	Total Area (ha.)				
ASKA		9	140.00					9	54.00		9	86.00								
		10	110.00	1970.00				10	48.00	1319.00	10	62.00	651.00					1970.00	1970.00	
	Gadagada	1	190.00					1	110.00		1	80.00	226.00					475.00	475.00	
		2	155.00					2	84.00		2	71.00								
		3	130.00	475.00				3	75.00	269.00	3	55.00	206.00							
	Kansa	1	181.53	181.53				1	111.53	111.53	1	70.00	70.00					181.53	181.53	
	Chemidi	1	345.00					1	0.00					1	345.00					
		2	115.00					2	0.00					2	115.00					
		3	355.00					3	0.00					3	355.00					
		4	180.00					4	0.00					4	180.00					
		5	70.00					5	0.00					5	70.00					
		6	230.00	1295.00				6	230.00	230.00				6	0.00	1065.00		1295.00	1295.00	
	Machakhai	1	175.00					1	175.00											
		2	165.00	340.00				2	165.00	340.00								340.00	340.00	
	Hatimunda	1	175.00					1	175.00											
		2	180.00					2	180.00											
		3	90.00	445.00				3	90.00	415.00		30.00	30.00					445.00	445.00	
	Badadanda	1	50.00	50.00				1	50.00	50.00								50.00	50.00	
	Chapudia	1	260.00	260.00				1	210.00	210.00	1	50.00	50.00					260.00	260.00	
	Rasibadi	1	370.00	370.00				1	320.00	320.00	1	50.00	50.00					370.00	370.00	
	Suliaguda	1	265.00					1	265.00											
	Suliaguda	2	195.00						0.00					2	195.00					
	Suliaguda	3	235.00						0.00					3	235.00					
	Suliaguda	4	180.00	875.00				4	180.00	445.00						430.00		875.00	875.00	
	Bhumidimiripalli	1	15.89	15.89				1	15.89	15.89								15.89	15.89	
	Badua	1	80.00	80.00					0.00	0.00	1	80.00	80.00					80.00	80.00	
	Gouduni	1	142.33					1	142.33		1	0.00								
		2	157.00	299.33				2	32.00	174.33	2	125.00	125.00					299.33	299.33	
	Badagada-C	1	340.00					1	340.00											
		2	305.00					2	305.00											
		3	165.00					3	165.00											
		4	315.00					4	315.00											
		5	310.00					5	310.00											
		6	275.00					6	275.00											
		7	700.00					7	700.00											
		8	325.00					8	325.00											
		9	455.00					9	455.00											
		10	485.00					10	0.00					10	485.00					
		11	440.00					11	0.00					11	440.00					
		12	460.00					12	460.00											

Name of the Range	Name of the Forest Blocks as per Management	Compartment No (ha.)	Area of compt. (ha)	Total area of Forest Block (ha)	Selection Working Circle			Rehabilitation W Circle			Plantation Working Circle			Protection Working Circle			Bamboo (OL)	NTFP (OL)	Wild Life (OL)	JFM (OL)	
					Compt. No	Area (ha.)	Total Area (ha.)	Compt. No	Area (ha.)	Total Area (ha.)	Compt. No	Area (ha.)	Total Area (ha.)	Compt. No	Area (ha.)	Total Area (ha.)					
		13	575.00					13	575.00												
		14	340.00					14	340.00												
		15	320.00					15	320.00												
ASKA		16	385.00					16	385.00												
		17	390.00					17	390.00												
		18	395.00					18	395.00												
		19	465.00					19	465.00												
		20	470.00					20	470.00												
		21	390.00					21	390.00												
		22	700.00					22	700.00												
		23	355.00					23	355.00												
		24	150.00					24	150.00												
		25	270.00					25	270.00												
		26	265.00					26	265.00												
		27	355.00					27	355.00												
		28	200.00					28	200.00												
		29	210.00					29	210.00												
		30	240.00	11050.00				30	240.00	10125.00						925.00	10450.00	11050.00	11050.00		
	Kantakhol	1	270.00				1	270.00													
		2	120.00	390.00			2	120.00	390.00							390.00	390.00				
	Pandaripada	1	185.00					1	185.00												
		2	415.00					2	415.00												
		3	360.00					3	360.00												
		4	375.00					0	0.00						4	375.00					
		5	360.00					5	360.00												
		6	800.00					6	800.00												
		7	440.00					7	440.00												
		8	260.00					8	260.00												
		9	345.00					0	0.00						9	345.00					
		10	305.00					10	305.00												
		11	510.00					0	0.00						11	510.00					
		12	495.00					12	495.00												
		13	170.00					13	170.00												
		14	375.00					14	375.00												
		15	410.00					15	410.00												
		16	565.00					16	565.00												
		17	270.00					17	270.00												
		18	365.00					18	365.00												

Name of the Range	Name of the Forest Blocks as per Management	Compartment No (ha.)	Area of compt. (ha)	Total area of Forest Block (ha)	Selection Working Circle			Rehabilitation W Circle			Plantation Working Circle			Protection Working Circle			Bamboo (OL)	NTFP (OL)	Wild Life (OL)	JFM (OL)				
					Compt. No	Area (ha.)	Total Area (ha.)	Compt. No	Area (ha.)	Total Area (ha.)	Compt. No	Area (ha.)	Total Area (ha.)	Compt. No	Area (ha.)	Total Area (ha.)								
ASKA		19	330.00					19	330.00															
		20	260.00					20	260.00															
		21	110.00					21	110.00															
		22	470.00					22	470.00															
		23	250.00					23	250.00															
		24	270.00					24	270.00															
		25	280.00					25	280.00															
		26	270.00					26	270.00															
		27	325.00					27	325.00															
		28	500.00					28	500.00															
		29	375.00					0	0.00															
		30	225.00					30	225.00															
		31	200.00					31	200.00															
		32	260.00					32	260.00															
		33	355.00					33	355.00															
		34	335.00					34	335.00															
		35	375.00					35	375.00															
		36	475.00					36	475.00															
		37	385.00					37	385.00															
		38	125.00	13180.00				38	125.00											11435.00	140.00	140.00	1605.00	11585.00
POLOSARA	Bhalukhai	1	13.20	13.20				1	13.20	13.20								13.20	13.20					
	Sodaka-A	1	400.00	400.00				1	360.00	360.00		40.00	40.00					400.00	400.00					
	Sodaka-B	1	430.00	430.00				1	180.00	180.00		250.00	250.00					430.00	430.00					
	Kakudia	1	85.02	85.02				1	85.02	85.02								85.02	85.02					
	Purunapani Daburia	1	320.00					1	320.00															
		2	275.00					2	275.00															
		3	345.00					3	345.00															
		4	470.00					4	470.00															
		5	325.00					5	325.00															
		6	380.00					6	380.00															
		7	240.00					7	240.00															
		8	170.00	2525.00				8	170.00												2393.00	132.00	132.00	
	Khaladimal	1	400.00					1	400.00															
		2	275.00					2	275.00															
		3	125.00					3	125.00															
		4	135.00					4	135.00															
		5	430.00					5	430.00															
	6	150.00	1515.00	6				150.00	1505.00												40.00	40.00		1515.00
Jokalundi	1	390.00	390.00				1	390.00	390.00								390.00	390.00						

Name of the Range	Name of the Forest Blocks as per Management	Compartment No (ha.)	Area of compt. (ha)	Total area of Forest Block (ha)	Selection Working Circle			Rehabilitation W Circle			Plantation Working Circle			Protection Working Circle			Bamboo (OL)	NTFP (OL)	Wild Life (OL)	JFM (OL)
					Compt. No	Area (ha.)	Total Area (ha.)	Compt. No	Area (ha.)	Total Area (ha.)	Compt. No	Area (ha.)	Total Area (ha.)	Compt. No	Area (ha.)	Total Area (ha.)				
	Paikajamuna	1	335.48	335.48				1	203.48	203.48		132.00	132.00					335.48	335.48	
BADAGADA	Badagada-A	1	205.00					1	205.00											
		2	100.00					2	100.00											
		3	395.00											3	395.00					
BADAGADA		4	380.00											4	380.00					
		5	345.00											5	345.00					
		6	285.00					6	285.00											
		7	340.00											7	340.00					
		8	355.00											8	355.00					
		9	430.00											9	430.00					
		10	220.00					10	220.00											
		11	250.00											11	250.00					
		12	375.00											12	375.00					
		13	270.00					13	270.00											
		14	355.00					14	355.00		14	100.00								
		15	655.00					15	655.00											
		16	530.00											16	530.00					
		17	315.00					17	315.00											
		18	435.00											18	435.00					
		19	345.00											19	345.00					
BADAGADA		20	820.00											20	820.00					
		21	535.00					21	535.00											
		22	295.00											22	295.00					
		23	275.00											23	275.00					
		24	260.00					24	260.00											
		25	365.00	9135.00						2955.00		145.00	245.00	25	365.00	5935.00	9035.00	9135.00	9135.00	
	Badagada-B	1	540.00					1	540.00											
		2	290.00					2	290.00											
		3	465.00					3	465.00											
		4	190.00					4	190.00											
BADAGADA		5	205.00					5	205.00											
		6	555.00					6	555.00											
		7	670.00					7	670.00											
		8	460.00					8	460.00											
		9	140.00					9	140.00											
		10	190.00	3705.00				10	190.00	3550.00		0.00	150.00				3555.00	3705.00	3705.00	
	Goudagotha	1	237.50											1	237.50					
		2	240.00											2	240.00					

Name of the Range	Name of the Forest Blocks as per Management	Compartment No	Area of compt. (ha)	Total area of Forest Block (ha)	Selection Working Circle			Rehabilitation W Circle			Plantation Working Circle			Protection Working Circle			Bamboo (OL)	NTFP (OL)	Wild Life (OL)	JFM (OL)
					Compt. No	Area (ha.)	Total Area (ha.)	Compt. No	Area (ha.)	Total Area (ha.)	Compt. No	Area (ha.)	Total Area (ha.)	Compt. No	Area (ha.)	Total Area (ha.)				
BADAGADA		3	265.00										3	265.00		4362.50	4600.00	4600.00		
		4	430.00	4									430.00							
		5	512.50	5									512.50							
		6	442.50	6									442.50							
		7	380.00	7									380.00							
		8	280.00	8									280.00							
		9	410.00	9									410.00							
		10	370.00	10									370.00							
		11	332.50	11									332.50							
		12	370.00	12									370.00							
		13	330.00	4600.00									13	330.00	4580.00					
		20.00	20.00																	
	BADAGADA	Merikote	1	599.24																
		2	435.50	2	435.50															
		3	555.50	3	555.50															
		4	498.00	4	498.00															
		5	463.00	5	463.00															
		6	560.50	6	560.50															
		7	408.00	7	408.00															
		8	435.50	8	435.50															
		9	503.00	4458.24	9	503.00	4428.24													
		30.00	30.00																	
BADAGADA	Raipada	1	506.65																	
		2	554.57																	
		3	489.60																	
		4	527.15																	
		5	719.30	2797.27																
		2607.27	2607.27	190.00	190.00	2270.12	2797.27	2797.27												
	Srirampalli	1	410.00	410.00	1	410.00	410.00		410.00	410.00	410.00									
	Mahisikhata	1	270.00					1	270.00		598.25	598.25	598.25	598.25						
	2	328.25	598.25	2				328.25	598.25											
Village Forests : 13 Nos			68.00	68.00				1	68.00	68.00					68.00	68.00				
TOTAL:			111748.10	111748.10		15264.67	15264.67		67992.28	66032.19		4858.50	5239.50		26334.10	26284.10	72308.84	111748.10	111748.10	0.00

APPENDIX - XVIII

Enumeration result of different compartments of Forest Blocks (SWC) of Ghumsur South Division

Forest Range: Sorada	Comp. No.: 1	Method: 5% Systematic Strip Enum.
Forest Block: Pondakhol RF	Total Area (Ha.) : 526	Grid Width in mtrs: 40
Period of Enum.: Nov. 2013	Area of Enum. (Ha.) : 26.8	Grid Length in mtrs: 6700

S. N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	346	145	74	39	20	22	646
2	MAI	307	146	53	15	4	1	526
3	ASAN	72	5	4	0	0	0	81
4	CHAR	274	77	7	1	0	0	359
5	DHAURA	71	42	43	24	11	3	194
6	KUSUM	43	24	9	3	0	0	79
7	KENDU	27	19	4	2	0	1	53
8	KASHI	11	7	12	1	0	0	31
9	HARIDA	10	9	8	1	1	0	29
10	BAHADA	3	4	1	0	0	1	9
11	MAHULA	64	22	10	2	1	1	100
12	HALANDA	36	9	6	6	2	5	64
13	MUNDI	11	7	6	2	0	0	26
14	BELA	8	2	2	0	0	0	12
15	JAMUN	39	16	8	2	0	1	66
16	AMLA	20	1	0	0	0	0	21
17	BANDHAN	75	20	18	10	2	2	127
18	PIASAL	2	1	1	0	0	0	4
19	SISOO	1	6	1	0	0	0	8
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	51	42	23	6	2	0	124
23	MANGO	0	1	0	1	0	2	4
24	MISC.	1363	506	141	37	13	19	2079
	Total:	2834	1111	431	152	56	58	4642

Forest Range: Sorada	Comp. No.: 2	Method: 5% Systematic Strip Enum.
Forest Block: Pondakhol RF	Total Area (Ha.) : 332.80	Grid Width in mtrs: 40
Period of Enum.: Nov. 2013	Area of Enum. (Ha.) : 16.80	Grid Length in mtrs: 4200

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	151	98	54	29	8	1	341
2	MAI	45	54	16	7	2	0	124
3	ASAN	22	11	13	4	4	1	55
4	CHAR	135	48	0	0	0	0	183
5	DHAURA	40	28	19	8	3	1	99
6	KUSUM	45	0	14	7	5	3	74
7	KENDU	55	17	11	4	0	1	88
8	KASHI	1	0	0	0	0	0	1
9	HARIDA	16	18	17	3	1	0	55
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	78	82	28	12	8	0	208
12	HALANDA	10	10	13	2	3	0	38
13	MUNDI	28	25	4	3	1	1	62
14	BELA	5	4	0	0	0	0	9
15	JAMUN	2	0	0	0	0	0	2
16	AMLA	30	6	0	0	0	0	36
17	BANDHAN	20	14	18	11	1	0	64
18	PIASAL	0	2	3	0	0	0	5
19	SISOO	10	7	1	0	0	0	18
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	31	28	10	1	1	0	71
23	MANGO	0	0	0	0	0	0	0
24	MISC.	412	216	43	18	6	5	700
	Total:	1136	668	264	109	43	13	2233

Enumeration result of different compartments of Forest Blocks (SWC)
of Ghumsur South Division

Forest Range: Sorada Comp. No.: 3 Method: 5% Systematic Strip Enum.
Forest Block: Pondakhhol RF Total Area (Ha.) : 441.33 Grid Width in mtrs: 40
Period of Enum.: Nov. 2013 Area of Enum. (Ha.) : 22.00 Grid Length in mtrs: 5500

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	453	307	89	77	34	10	970
2	MAI	210	116	48	23	6	3	406
3	ASAN	173	58	68	27	7	8	341
4	CHAR	263	55	13	0	0	0	331
5	DHAURA	86	36	20	34	7	3	186
6	KUSUM	22	21	17	15	6	2	83
7	KENDU	11	14	8	4	0	0	37
8	KASHI	4	8	2	5	0	0	19
9	HARIDA	13	15	8	3	0	0	39
10	BAHADA	1	0	2	0	0	0	3
11	MAHULA	33	16	8	6	3	0	66
12	HALANDA	24	16	14	9	1	4	68
13	MUNDI	23	1	14	11	0	0	49
14	BELA	11	13	1	0	0	0	25
15	JAMUN	7	0	2	0	0	0	9
16	AMLA	39	6	0	0	0	0	45
17	BANDHAN	87	44	23	6	1	0	161
18	PIASAL	1	0	0	3	0	0	4
19	SISOO	3	0	3	0	0	0	6
20	TEAK	1	0	1	0	0	0	2
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	105	759	66	35	10	4	979
23	MANGO	0	0	0	0	0	0	0
24	MISC.	1008	437	60	80	31	14	1630
	Total:	2578	1922	467	338	106	48	5459

Forest Range: Sorada Comp. No.: 4 Method: 5% Systematic Strip Enum.
Forest Block: Pondakhhol RF Total Area (Ha.) : 229.51 Grid Width in mtrs: 40
Period of Enum.: Nov. 2013 Area of Enum. (Ha.) : 27.3 Grid Length in mtrs: 2875

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	91	73	34	8	3	3	212
2	MAI	141	70	45	18	9	1	284
3	ASAN	49	31	26	12	8	3	129
4	CHAR	76	18	12	2	0	0	108
5	DHAURA	37	39	55	24	5	8	168
6	KUSUM	52	32	29	9	3	2	127
7	KENDU	35	29	17	1	0	0	82
8	KASHI	39	39	17	16	4	0	115
9	HARIDA	14	3	2	0	0	0	19
10	BAHADA	9	10	8	0	2	1	30
11	MAHULA	23	23	29	2	2	1	80
12	HALANDA	26	20	38	11	9	0	104
13	MUNDI	19	27	9	6	0	0	61
14	BELA	6	1	0	0	0	0	7
15	JAMUN	6	1	3	0	0	0	10
16	AMLA	19	2	0	0	0	0	21
17	BANDHAN	56	37	19	5	2	1	120
18	PIASAL	1	6	4	0	0	0	11
19	SISOO	9	3	3	0	0	0	15
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	46	46	22	3	1	1	119
23	MANGO	0	0	0	0	0	0	0
24	MISC.	765	437	168	37	4	7	1418
	Total:	1519	947	540	154	52	28	3240

Enumeration result of different compartments of Forest Blocks (SWC)
of Ghumsur South Division

Forest Range: Sorada Comp. No.: 3 Method: 5% Systematic Strip Enum.
Forest Block: Pondakhhol RF Total Area (Ha.) : 441.33 Grid Width in mtrs: 40
Period of Enum.: Nov. 2013 Area of Enum. (Ha.) : 22.00 Grid Length in mtrs: 5500

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	453	307	89	77	34	10	970
2	MAI	210	116	48	23	6	3	406
3	ASAN	173	58	68	27	7	8	341
4	CHAR	263	55	13	0	0	0	331
5	DHAURA	86	36	20	34	7	3	186
6	KUSUM	22	21	17	15	6	2	83
7	KENDU	11	14	8	4	0	0	37
8	KASHI	4	8	2	5	0	0	19
9	HARIDA	13	15	8	3	0	0	39
10	BAHADA	1	0	2	0	0	0	3
11	MAHULA	33	16	8	6	3	0	66
12	HALANDA	24	16	14	9	1	4	68
13	MUNDI	23	1	14	11	0	0	49
14	BELA	11	13	1	0	0	0	25
15	JAMUN	7	0	2	0	0	0	9
16	AMLA	39	6	0	0	0	0	45
17	BANDHAN	87	44	23	6	1	0	161
18	PIASAL	1	0	0	3	0	0	4
19	SISOO	3	0	3	0	0	0	6
20	TEAK	1	0	1	0	0	0	2
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	105	759	66	35	10	4	979
23	MANGO	0	0	0	0	0	0	0
24	MISC.	1008	437	60	80	31	14	1630
	Total:	2578	1922	467	338	106	48	5459

Forest Range: Sorada Comp. No.: 4 Method: 5% Systematic Strip Enum.
Forest Block: Pondakhhol RF Total Area (Ha.) : 229.51 Grid Width in mtrs: 40
Period of Enum.: Nov. 2013 Area of Enum. (Ha.) : 27.3 Grid Length in mtrs: 2875

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	91	73	34	8	3	3	212
2	MAI	141	70	45	18	9	1	284
3	ASAN	49	31	26	12	8	3	129
4	CHAR	76	18	12	2	0	0	108
5	DHAURA	37	39	55	24	5	8	168
6	KUSUM	52	32	29	9	3	2	127
7	KENDU	35	29	17	1	0	0	82
8	KASHI	39	39	17	16	4	0	115
9	HARIDA	14	3	2	0	0	0	19
10	BAHADA	9	10	8	0	2	1	30
11	MAHULA	23	23	29	2	2	1	80
12	HALANDA	26	20	38	11	9	0	104
13	MUNDI	19	27	9	6	0	0	61
14	BELA	6	1	0	0	0	0	7
15	JAMUN	6	1	3	0	0	0	10
16	AMLA	19	2	0	0	0	0	21
17	BANDHAN	56	37	19	5	2	1	120
18	PIASAL	1	6	4	0	0	0	11
19	SISOO	9	3	3	0	0	0	15
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	46	46	22	3	1	1	119
23	MANGO	0	0	0	0	0	0	0
24	MISC.	765	437	168	37	4	7	1418
	Total:	1519	947	540	154	52	28	3240

Enumeration result of different compartments of Forest Blocks (SWC)
of Ghumsur South Division

Forest Range: Sorada Comp. No.: 5a Method: 5% Systematic Strip Enum.
Forest Block: Pondakhhol RF Total Area (Ha.) : 383.66 Grid Width in mtrs: 40
Period of Enum.: Nov. 2013 Area of Enum. (Ha.) : 18.00 Grid Length in mtrs: 4500

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	137	57	18	10	6	6	234
2	MAI	226	147	110	64	10	1	558
3	ASAN	85	36	38	16	7	0	182
4	CHAR	417	61	14	0	0	0	492
5	DHAURA	165	130	131	110	21	5	562
6	KUSUM	126	67	53	21	7	5	279
7	KENDU	113	68	33	8	1	1	224
8	KASHI	18	6	4	2	0	0	30
9	HARIDA	26	36	26	7	3	1	99
10	BAHADA	8	3	0	1	0	0	12
11	MAHULA	83	69	28	11	6	4	201
12	HALANDA	50	12	15	12	2	0	91
13	MUNDI	25	12	8	9	1	0	55
14	BELA	25	8	1	0	0	0	34
15	JAMUN	12	8	1	0	0	0	21
16	AMLA	50	14	0	0	0	0	64
17	BANDHAN	28	32	16	4	5	0	85
18	PIASAL	7	3	0	3	0	0	13
19	SISOO	18	13	3	0	0	0	34
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	88	60	18	3	3	1	173
23	MANGO	0	0	0	0	0	2	2
24	MISC.	2051	701	296	81	49	14	3192
	Total:	3758	1543	813	362	121	40	6637

Forest Range: Sorada Comp. No.: 6 Method: 5% Systematic Strip Enum.
Forest Block: Pondakhhol RF Total Area (Ha.) : 313.42 Grid Width in mtrs: 40
Period of Enum.: Nov. 2013 Area of Enum. (Ha.) : 18.5 Grid Length in mtrs: 4625

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	440	501	347	221	55	36	1600
2	MAI	251	166	87	32	11	1	548
3	ASAN	72	68	36	15	8	3	202
4	CHAR	297	84	26	3	0	0	410
5	DHAURA	94	123	101	41	9	9	377
6	KUSUM	90	48	44	11	6	2	201
7	KENDU	64	63	39	5	0	0	171
8	KASHI	50	65	27	18	5	0	165
9	HARIDA	28	16	6	2	0	0	52
10	BAHADA	10	13	9	0	2	1	35
11	MAHULA	57	76	48	8	3	2	194
12	HALANDA	28	22	40	11	10	2	113
13	MUNDI	20	29	9	6	0	0	64
14	BELA	7	1	0	0	0	0	8
15	JAMUN	7	9	6	0	0	0	22
16	AMLA	41	6	0	0	0	0	47
17	BANDHAN	110	89	49	21	4	1	274
18	PIASAL	11	9	5	1	0	0	26
19	SISOO	14	6	6	1	0	0	27
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	86	79	33	8	2	1	209
23	MANGO	0	0	0	0	0	2	2
24	MISC.	1272	698	315	79	20	17	2401
	Total:	3049	2171	1233	483	135	77	7148

Enumeration result of different compartments of Forest Blocks (SWC)
of Ghumsur South Division

Forest Range: Sorada Comp. No.: 7 Method: 5% Systematic Strip Enum.
Forest Block: Pondakhol RF Total Area (Ha.): 378.14 Grid Width in mtrs: 40
Period of Enum.: Nov. 2013 Area of Enum. (Ha.): 18 Grid Length in mtrs: 4500

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	163	108	58	32	8	1	370
2	MAI	95	68	34	13	7	2	219
3	ASAN	42	28	27	16	7	5	125
4	CHAR	200	54	4	0	0	0	258
5	DHAURA	91	56	35	12	5	6	205
6	KUSUM	137	12	25	16	8	4	202
7	KENDU	73	28	17	8	3	2	131
8	KASHI	7	5	4	1	2	0	19
9	HARIDA	21	26	18	3	1	0	69
10	BAHADA	0	2	1	0	0	0	3
11	MAHULA	113	94	29	12	11	2	261
12	HALANDA	20	14	21	4	5	5	69
13	MUNDI	32	25	10	4	1	1	73
14	BELA	8	9	1	0	0	0	18
15	JAMUN	14	0	2	2	1	0	19
16	AMLA	39	11	0	0	0	0	50
17	BANDHAN	32	20	21	15	2	0	90
18	PIASAL	1	4	3	5	0	0	13
19	SISOO	18	13	4	1	0	0	36
20	TEAK	4	0	1	0	0	0	5
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	49	41	26	4	2	3	125
23	MANGO	0	0	0	0	0	1	1
24	MISC.	852	420	101	48	16	13	1450
	Total:	2011	1038	442	196	79	45	3811

Forest Range: Sorada Comp. No.: 8 Method: 5% Systematic Strip Enum.
Forest Block: Pondakhol RF Total Area (Ha.): 344.37 Grid Width in mtrs: 40
Period of Enum.: Nov. 2013 Area of Enum. (Ha.): 16.4 Grid Length in mtrs: 4100

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	376	246	63	62	25	6	778
2	MAI	117	68	25	9	0	0	219
3	ASAN	152	44	56	12	2	3	269
4	CHAR	87	37	7	0	0	0	131
5	DHAURA	64	34	17	30	5	0	150
6	KUSUM	8	7	9	8	4	0	36
7	KENDU	8	13	5	0	0	0	26
8	KASHI	0	5	0	4	0	0	9
9	HARIDA	12	13	7	3	0	0	35
10	BAHADA	1	0	2	0	0	0	3
11	MAHULA	31	14	7	6	1	0	59
12	HALANDA	22	16	12	7	0	0	57
13	MUNDI	23	1	13	10	0	0	47
14	BELA	11	13	1	0	0	0	25
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	33	4	0	0	0	0	37
17	BANDHAN	79	44	20	5	0	0	148
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	28	24	11	12	0	0	75
23	MANGO	0	0	0	0	0	0	0
24	MISC.	784	338	47	63	25	9	1266
	Total:	1836	921	302	231	62	18	3370

Enumeration result of different compartments of Forest Blocks (SWC)
of Ghumsur South Division

Forest Range: Sorada Comp. No.: 9 Method: 5% Systematic Strip Enum.
Forest Block: Pondakhol RF Total Area (Ha.) : 419.68 Grid Width in mtrs: 40
Period of Enum.: Nov. 2013 Area of Enum. (Ha.) : 21.4 Grid Length in mtrs: 5350

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	275	115	114	72	59	38	673
2	MAI	139	109	54	19	3	2	326
3	ASAN	2	4	8	3	2	0	19
4	CHAR	228	103	11	3	0	0	345
5	DHAURA	17	25	37	11	7	4	101
6	KUSUM	35	20	20	2	1	0	78
7	KENDU	19	26	8	4	1	0	58
8	KASHI	7	6	3	0	0	0	16
9	HARIDA	4	6	11	2	0	0	23
10	BAHADA	3	3	3	1	0	0	10
11	MAHULA	10	6	8	4	0	0	28
12	HALANDA	3	4	3	1	0	2	13
13	MUNDI	1	1	0	0	0	0	2
14	BELA	0	1	0	0	0	0	1
15	JAMUN	6	9	3	2	1	0	21
16	AMLA	23	6	2	0	0	0	31
17	BANDHAN	46	35	5	5	0	0	91
18	PIASAL	1	4	2	0	0	0	7
19	SISOO	3	1	4	0	0	0	8
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	20	16	14	6	0	3	59
23	MANGO	0	0	0	0	0	1	1
24	MISC.	971	350	171	41	16	11	1560
	Total:	1813	850	481	176	90	61	3471

Forest Range: Sorada Comp. No.: 10 Method: 5% Systematic Strip Enum.
Forest Block: Pondakhol RF Total Area (Ha.) : 240.38 Grid Width in mtrs: 40
Period of Enum.: Nov. 2013 Area of Enum. (Ha.) : 12 Grid Length in mtrs: 3000

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	514	308	194	67	27	10	1120
2	MAI	173	109	38	6	2	0	328
3	ASAN	103	57	24	2	0	0	186
4	CHAR	158	54	11	1	0	0	224
5	DHAURA	77	85	35	9	1	2	209
6	KUSUM	65	24	12	1	0	1	103
7	KENDU	99	54	17	1	0	0	171
8	KASHI	17	11	7	0	0	0	35
9	HARIDA	39	20	4	3	2	0	68
10	BAHADA	41	7	0	0	0	0	48
11	MAHULA	57	33	39	10	2	0	141
12	HALANDA	93	26	10	2	1	3	135
13	MUNDI	71	13	4	0	0	0	88
14	BELA	0	0	0	0	0	0	0
15	JAMUN	40	13	1	3	0	1	58
16	AMLA	73	32	8	2	0	0	115
17	BANDHAN	59	40	24	6	0	0	129
18	PIASAL	0	9	2	0	0	0	11
19	SISOO	0	0	1	0	0	0	1
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	74	45	20	6	3	0	148
23	MANGO	0	0	0	0	0	0	0
24	MISC.	702	367	156	37	4	8	1274
	Total:	2455	1307	607	156	42	25	4592

Enumeration result of different compartments of Forest Blocks (SWC)
of Ghumsur South Division

Forest Range: Sorada Comp. No.: 11 Method: 5% Systematic Strip Enum.
Forest Block: Pondakhhol RF Total Area (Ha.) : 487.22 Grid Width in mtrs: 40
Period of Enum.: Nov. 2013 Area of Enum. (Ha.) : 25.3 Grid Length in mtrs: 6325

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	801	391	213	100	26	10	1541
2	MAI	470	265	145	54	21	0	955
3	ASAN	346	190	90	26	10	1	663
4	CHAR	292	123	19	0	0	0	434
5	DHAURA	283	180	81	37	8	1	590
6	KUSUM	160	69	40	15	1	0	285
7	KENDU	51	23	4	0	0	0	78
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	44	14	8	1	0	0	67
10	BAHADA	10	1	0	0	0	0	11
11	MAHULA	97	57	27	6	3	0	190
12	HALANDA	142	40	22	11	2	0	217
13	MUNDI	78	33	20	7	1	0	139
14	BELA	13	7	1	0	0	0	21
15	JAMUN	4	6	0	0	0	0	10
16	AMLA	45	25	0	0	0	0	70
17	BANDHAN	88	43	15	9	0	0	155
18	PIASAL	8	3	1	0	0	0	12
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	1	0	1	0	0	2
22	SIDHA	101	46	20	11	0	0	178
23	MANGO	0	0	0	0	0	0	0
24	MISC.	1519	660	207	77	16	4	2483
	Total:	4552	2177	913	355	88	16	8101

Forest Range: Sorada Comp. No.: 12 Method: 5% Systematic Strip Enum.
Forest Block: Pondakhhol RF Total Area (Ha.) : 334.67 Grid Width in mtrs: 40
Period of Enum.: Nov. 2013 Area of Enum. (Ha.) : 16.4 Grid Length in mtrs: 4100

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	450	268	103	62	25	6	914
2	MAI	167	68	37	9	0	0	281
3	ASAN	162	65	56	30	9	3	325
4	CHAR	87	37	7	0	0	0	131
5	DHAURA	87	46	24	30	5	0	192
6	KUSUM	8	14	11	8	4	0	45
7	KENDU	8	13	6	1	0	0	28
8	KASHI	0	5	0	4	0	0	9
9	HARIDA	12	13	7	3	0	0	35
10	BAHADA	1	0	2	0	0	0	3
11	MAHULA	31	17	24	6	1	0	79
12	HALANDA	22	34	20	7	0	0	83
13	MUNDI	46	37	13	10	0	0	106
14	BELA	11	13	1	0	0	0	25
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	33	4	0	0	0	0	37
17	BANDHAN	79	44	20	5	0	0	148
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	58	24	11	12	0	0	105
23	MANGO	0	0	0	0	0	0	0
24	MISC.	1184	522	155	63	25	9	1958
	Total:	2446	1224	497	250	69	18	4504

Enumeration result of different compartments of Forest Blocks (SWC)
of Ghumsur South Division

Forest Range: Sorada Comp. No.: 13 Method: 5% Systematic Strip Enum.
Forest Block: Pondakhhol RF Total Area (Ha.) : 567.05 Grid Width in mtrs: 40
Period of Enum.: Nov. 2013 Area of Enum. (Ha.) : 28.2 Grid Length in mtrs: 7050

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	968	609	284	176	59	7	2103
2	MAI	351	107	32	23	0	0	513
3	ASAN	277	117	36	8	0	0	438
4	CHAR	108	50	19	0	0	0	177
5	DHAURA	145	104	7	0	0	0	256
6	KUSUM	52	22	9	1	1	0	85
7	KENDU	81	53	5	0	1	0	140
8	KASHI	31	20	5	2	0	0	58
9	HARIDA	36	12	4	1	1	0	54
10	BAHADA	25	14	2	0	0	0	41
11	MAHULA	32	32	15	6	0	1	86
12	HALANDA	24	14	1	0	0	0	39
13	MUNDI	56	23	2	0	0	0	81
14	BELA	61	22	4	0	0	0	87
15	JAMUN	18	11	7	3	3	0	42
16	AMLA	17	0	0	0	0	0	17
17	BANDHAN	52	38	7	7	1	0	105
18	PIASAL	11	24	15	0	0	0	50
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	35	10	10	3	0	0	58
23	MANGO	0	0	0	0	0	1	1
24	MISC.	755	276	98	35	5	4	1173
	Total:	3135	1558	562	265	71	13	5604

Forest Range: Sorada Comp. No.: 14 Method: 5% Systematic Strip Enum.
Forest Block: Pondakhhol RF Total Area (Ha.) : 618 Grid Width in mtrs: 40
Period of Enum.: Nov. 2013 Area of Enum. (Ha.) : 30.9 Grid Length in mtrs: 7725

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	577	316	170	79	32	8	1182
2	MAI	464	238	108	25	12	1	848
3	ASAN	11	4	3	0	0	0	18
4	CHAR	444	274	47	13	0	0	778
5	DHAURA	323	230	44	13	4	0	614
6	KUSUM	340	155	36	9	2	0	542
7	KENDU	323	218	49	5	3	0	598
8	KASHI	139	93	19	6	0	0	257
9	HARIDA	0	1	1	0	0	0	2
10	BAHADA	254	103	22	6	0	0	385
11	MAHULA	293	127	30	6	1	0	457
12	HALANDA	290	114	35	7	2	1	449
13	MUNDI	206	173	36	3	0	0	418
14	BELA	0	0	0	0	0	0	0
15	JAMUN	166	100	31	4	1	0	302
16	AMLA	230	108	17	3	0	0	358
17	BANDHAN	328	146	50	16	1	0	541
18	PIASAL	66	87	4	0	0	0	157
19	SISOO	110	103	13	0	0	0	226
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	5	4	1	2	0	1	13
23	MANGO	0	0	0	0	1	1	2
24	MISC.	2131	1082	446	79	17	16	3771
	Total:	6700	3676	1162	276	76	28	11918

Enumeration result of different compartments of Forest Blocks (SWC)
of Ghumsur South Division

Forest Range: Sorada	Comp. No.: 15	Method: 5% Systematic Strip Enum.
Forest Block: Pondakhhol RF	Total Area (Ha.) : 397.54	Grid Width in mtrs: 40
Period of Enum.: Nov. 2013	Area of Enum. (Ha.) : 17.5	Grid Length in mtrs: 4375

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	357	184	71	14	8	4	638
2	MAI	175	119	41	27	23	7	392
3	ASAN	65	29	14	4	7	2	121
4	CHAR	192	55	14	4	3	1	269
5	DHAURA	99	86	71	32	3	1	292
6	KUSUM	128	70	43	9	3	5	258
7	KENDU	96	57	27	2	0	0	182
8	KASHI	46	40	16	1	0	0	103
9	HARIDA	0	10	1	1	0	0	12
10	BAHADA	55	10	2	0	0	0	67
11	MAHULA	71	16	17	9	0	0	113
12	HALANDA	117	65	9	4	0	2	197
13	MUNDI	64	28	10	2	1	0	105
14	BELA	10	0	0	0	0	0	10
15	JAMUN	2	8	2	1	1	0	14
16	AMLA	55	12	2	0	0	0	69
17	BANDHAN	146	36	4	7	2	0	195
18	PIASAL	0	1	0	0	0	0	1
19	SISOO	47	21	5	0	0	0	73
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	138	73	18	2	1	0	232
23	MANGO	0	0	0	0	0	0	0
24	MISC.	1352	668	165	83	20	7	2295
	Total:	3215	1588	532	202	72	29	5638

Forest Range: Sorada	Comp. No.: 16	Method: 5% Systematic Strip Enum.
Forest Block: Pondakhhol RF	Total Area (Ha.) : 596.3	Grid Width in mtrs: 40
Period of Enum.: Nov. 2013	Area of Enum. (Ha.) : 29.82	Grid Length in mtrs: 7455

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	322	182	80	31	14	4	633
2	MAI	423	243	133	36	10	1	846
3	ASAN	229	97	33	9	1	0	369
4	CHAR	275	192	68	8	2	0	545
5	DHAURA	376	231	91	27	8	0	733
6	KUSUM	203	131	46	4	4	2	390
7	KENDU	138	107	25	4	2	0	276
8	KASHI	53	31	6	1	1	0	92
9	HARIDA	148	76	26	2	1	0	253
10	BAHADA	160	109	32	8	1	0	310
11	MAHULA	293	199	74	32	7	2	607
12	HALANDA	234	91	47	11	2	0	385
13	MUNDI	206	126	34	14	0	1	381
14	BELA	13	1	4	2	0	0	20
15	JAMUN	75	35	15	3	0	0	128
16	AMLA	155	123	2	0	0	0	280
17	BANDHAN	166	115	31	5	0	0	317
18	PIASAL	38	84	8	0	0	0	130
19	SISOO	143	82	6	0	0	0	231
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	259	162	61	2	0	0	484
23	MANGO	0	0	0	2	0	0	2
24	MISC.	2199	1173	425	119	34	9	3959
	Total:	6108	3590	1247	320	87	19	11371

Enumeration result of different compartments of Forest Blocks (SWC)
of Ghumsur South Division

Forest Range: Sorada Comp. No.: 17 Method: 5% Systematic Strip Enum.
Forest Block: Pondakhhol RF Total Area (Ha.) : 341.33 Grid Width in mtrs: 40
Period of Enum.: Nov. 2013 Area of Enum. (Ha.) : 17.5 Grid Length in mtrs: 4375

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	29	24	4	1	0	0	58
2	MAI	114	121	130	25	6	0	396
3	ASAN	78	61	68	7	0	0	214
4	CHAR	254	136	52	4	0	0	446
5	DHAURA	203	183	100	32	11	3	532
6	KUSUM	226	163	107	33	10	4	543
7	KENDU	75	33	20	10	0	0	138
8	KASHI	59	34	29	0	0	0	122
9	HARIDA	9	4	1	0	0	0	14
10	BAHADA	3	2	0	0	0	0	5
11	MAHULA	63	58	33	15	3	0	172
12	HALANDA	128	104	32	17	2	1	284
13	MUNDI	148	116	65	15	2	1	347
14	BELA	55	50	5	0	0	0	110
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	32	17	2	0	0	0	51
17	BANDHAN	102	59	8	3	0	0	172
18	PIASAL	32	47	17	0	0	0	96
19	SISOO	16	8	1	0	0	0	25
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	1	0	0	0	0	0	1
22	SIDHA	69	63	15	5	0	0	152
23	MANGO	0	0	0	2	1	2	5
24	MISC.	1426	798	375	83	44	3	2729
	Total:	3122	2081	1064	252	79	14	6612

Forest Range: Sorada Comp. No.: 18 Method: 5% Systematic Strip Enum.
Forest Block: Pondakhhol RF Total Area (Ha.) : 569.36 Grid Width in mtrs: 40
Period of Enum.: Nov. 2013 Area of Enum. (Ha.) : 28.3 Grid Length in mtrs: 7075

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	756	411	183	119	63	14	1546
2	MAI	380	214	110	81	10	0	795
3	ASAN	271	141	47	34	16	1	510
4	CHAR	109	44	8	0	0	0	161
5	DHAURA	213	145	59	31	9	0	457
6	KUSUM	60	36	10	5	0	0	111
7	KENDU	39	18	5	0	0	0	62
8	KASHI	0	0	0	0	0	0	0
9	HARIDA	20	8	5	2	0	0	35
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	78	33	13	6	4	1	135
12	HALANDA	94	36	25	17	2	0	174
13	MUNDI	0	0	0	0	0	0	0
14	BELA	6	2	0	0	0	0	8
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	20	8	1	0	0	0	29
17	BANDHAN	84	40	20	14	5	0	163
18	PIASAL	62	22	3	0	0	0	87
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	107	47	14	7	4	0	179
23	MANGO	0	0	0	0	0	0	0
24	MISC.	1918	748	282	103	43	10	3104
	Total:	4217	1953	785	419	156	26	7556

Enumeration result of different compartments of Forest Blocks (SWC)
of Ghumsur South Division

Forest Range: Sorada Comp. No.: 19 Method: 5% Systematic Strip Enum.
Forest Block: Pondakhhol RF Total Area (Ha.) : 282.8 Grid Width in mtrs: 40
Period of Enum.: Nov. 2013 Area of Enum. (Ha.) : 13.8 Grid Length in mtrs: 3650

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	77	37	41	4	0	2	161
2	MAI	207	169	105	28	5	1	515
3	ASAN	17	12	8	4	0	0	41
4	CHAR	146	60	14	0	0	0	220
5	DHAURA	272	178	90	13	4	1	558
6	KUSUM	149	87	10	5	0	1	252
7	KENDU	92	38	3	1	0	0	134
8	KASHI	53	37	10	2	0	0	102
9	HARIDA	46	32	9	4	0	0	91
10	BAHADA	21	8	3	2	0	0	34
11	MAHULA	67	38	11	7	1	6	130
12	HALANDA	122	65	29	10	4	1	231
13	MUNDI	63	24	12	0	1	0	100
14	BELA	62	2	0	0	0	0	64
15	JAMUN	22	9	1	6	0	0	38
16	AMLA	31	3	0	0	0	0	34
17	BANDHAN	40	21	9	0	0	0	70
18	PIASAL	33	33	3	1	0	0	70
19	SISOO	5	8	0	0	0	0	13
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	2	0	2	4
22	SIDHA	50	18	11	0	0	0	79
23	MANGO	0	0	1	0	0	0	1
24	MISC.	1237	482	127	33	22	7	1908
	Total:	2812	1361	497	122	37	21	4850

Forest Range: Sorada Comp. No.: 20 Method: 5% Systematic Strip Enum.
Forest Block: Pondakhhol RF Total Area (Ha.) : 465.08 Grid Width in mtrs: 40
Period of Enum.: Nov. 2013 Area of Enum. (Ha.) : 23.248 Grid Length in mtrs: 5812

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	27	29	70	22	14	0	162
2	MAI	174	105	46	2	0	0	327
3	ASAN	24	14	0	0	0	0	38
4	CHAR	171	76	2	0	0	0	249
5	DHAURA	204	187	45	13	1	0	450
6	KUSUM	38	22	5	0	0	0	65
7	KENDU	79	54	3	0	0	0	136
8	KASHI	66	81	16	3	1	0	167
9	HARIDA	70	21	2	0	0	0	93
10	BAHADA	29	27	0	0	0	0	56
11	MAHULA	28	18	9	3	2	2	62
12	HALANDA	156	87	30	12	2	0	287
13	MUNDI	75	24	4	0	0	0	103
14	BELA	22	7	0	0	0	0	29
15	JAMUN	31	70	11	1	0	0	113
16	AMLA	44	17	2	0	0	0	63
17	BANDHAN	77	70	36	1	0	0	184
18	PIASAL	190	178	53	3	0	0	424
19	SISOO	23	12	0	0	0	0	35
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	60	38	4	0	0	0	102
23	MANGO	0	2	0	0	0	3	5
24	MISC.	1115	426	125	73	3	1	1743
	Total:	2703	1565	463	133	23	6	4893

Enumeration result of different compartments of Forest Blocks (SWC)
of Ghumsur South Division

Forest Range: Sorada Comp. No.: 21 Method: 5% Systematic Strip Enum.
Forest Block: Pondakhol RF Total Area (Ha.) : 294.44 Grid Width in mtrs: 40
Period of Enum.: Nov. 2013 Area of Enum. (Ha.) : 14.7 Grid Length in mtrs: 3675

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	359	199	100	60	12	4	734
2	MAI	90	68	50	16	0	0	224
3	ASAN	93	62	48	17	1	0	221
4	CHAR	82	26	10	0	0	0	118
5	DHAURA	46	26	16	11	2	0	101
6	KUSUM	45	27	20	5	1	0	98
7	KENDU	27	14	5	2	0	0	48
8	KASHI	23	21	4	0	0	0	48
9	HARIDA	30	8	3	0	0	0	41
10	BAHADA	3	1	1	0	0	0	5
11	MAHULA	33	11	4	1	1	0	50
12	HALANDA	27	18	11	2	2	0	60
13	MUNDI	43	23	5	3	0	0	74
14	BELA	15	9	1	0	0	0	25
15	JAMUN	7	2	0	0	0	0	9
16	AMLA	9	3	0	0	0	0	12
17	BANDHAN	15	8	11	2	1	0	37
18	PIASAL	3	1	0	0	0	0	4
19	SISOO	1	2	0	0	0	0	3
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	35	7	8	6	0	0	56
23	MANGO	0	0	0	0	0	0	0
24	MISC.	1058	407	104	43	7	3	1622
	Total:	2044	943	401	168	27	7	3590

Forest Range: Sorada Comp. No.: 22 Method: 5% Systematic Strip Enum.
Forest Block: Pondakhol RF Total Area (Ha.) : 321.75 Grid Width in mtrs: 40
Period of Enum.: Nov. 2013 Area of Enum. (Ha.) : 16.3 Grid Length in mtrs: 4075

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	368	250	126	83	12	6	845
2	MAI	94	108	52	52	9	1	316
3	ASAN	98	58	33	34	5	0	228
4	CHAR	68	54	2	0	0	0	124
5	DHAURA	96	58	27	22	2	0	205
6	KUSUM	30	18	10	5	1	0	64
7	KENDU	30	7	4	0	0	0	41
8	KASHI	27	22	5	0	0	0	54
9	HARIDA	10	7	0	2	0	0	19
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	54	16	2	3	1	0	76
12	HALANDA	84	49	32	9	2	0	176
13	MUNDI	35	15	9	2	0	0	61
14	BELA	22	11	2	0	0	0	35
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	12	5	0	0	0	0	17
17	BANDHAN	72	45	2	2	0	0	121
18	PIASAL	6	3	0	0	0	0	9
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	49	15	5	4	0	0	73
23	MANGO	0	0	0	0	0	0	0
24	MISC.	1199	404	131	35	5	0	1774
	Total:	2354	1145	442	253	37	7	4238

Enumeration result of different compartments of Forest Blocks (SWC)
of Ghumsur South Division

Forest Range: Sorada	Comp. No.: 23	Method: 5% Systematic Strip Enum.
Forest Block: Pondakhhol RF	Total Area (Ha.): 520.35	Grid Width in mtrs: 40
Period of Enum.: Nov. 2013	Area of Enum. (Ha.): 26.1	Grid Length in mtrs: 6525

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	302	156	88	59	5	0	610
3	ASAN	388	195	82	45	12	6	728
4	CHAR	106	63	2	0	0	0	171
5	DHAURA	320	172	51	43	11	4	601
6	KUSUM	0	0	0	0	0	0	0
7	KENDU	62	25	9	0	0	0	96
8	KASHI	21	6	4	1	0	0	32
9	HARIDA	47	11	7	4	0	0	69
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	82	36	17	9	3	1	148
12	HALANDA	152	42	11	5	0	0	210
13	MUNDI	67	50	15	4	0	0	136
14	BELA	16	14	4	0	0	0	34
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	21	8	0	0	0	0	29
17	BANDHAN	79	34	14	9	1	0	137
18	PIASAL	2	1	0	0	0	0	3
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	89	20	10	9	1	0	129
23	MANGO	0	0	0	0	0	0	0
24	MISC.	1774	756	228	88	8	1	2855
	Total:	3528	1589	542	276	41	12	5988

Forest Range: Sorada	Comp. No.: 24	Method: 5% Systematic Strip Enum.
Forest Block: Pondakhhol RF	Total Area (Ha.): 175.17	Grid Width in mtrs: 40
Period of Enum.: Nov. 2013	Area of Enum. (Ha.): 8.76	Grid Length in mtrs: 2190

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	171	40	3	0	0	0	214
2	MAI	79	37	10	2	0	0	128
3	ASAN	165	51	6	2	1	0	225
4	CHAR	89	14	8	1	0	0	112
5	DHAURA	255	115	19	6	3	0	398
6	KUSUM	44	10	4	0	0	0	58
7	KENDU	45	20	3	0	0	0	68
8	KASHI	12	4	0	0	0	0	16
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	59	16	9	2	0	0	86
12	HALANDA	120	39	3	2	3	0	167
13	MUNDI	46	26	2	0	0	0	74
14	BELA	0	0	0	0	0	0	0
15	JAMUN	44	14	0	0	0	0	58
16	AMLA	40	26	0	0	0	0	66
17	BANDHAN	116	30	4	7	2	1	160
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	42	15	12	3	0	0	72
23	MANGO	0	0	0	0	0	0	0
24	MISC.	736	286	102	14	6	2	1146
	Total:	2063	743	185	39	15	3	3048

Enumeration result of different compartments of Forest Blocks (SWC)
of Ghumsur South Division

Forest Range: Sorada Comp. No.: 25 Method: 5% Systematic Strip Enum.
Forest Block: Pondakhhol RF Total Area (Ha.) : 288.94 Grid Width in mtrs: 40
Period of Enum.: Nov. 2013 Area of Enum. (Ha.) : 14.448 Grid Length in mtrs: 3612

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	0	0	0	0	0	0	0
2	MAI	134	75	43	0	0	0	252
3	ASAN	171	130	41	8	0	0	350
4	CHAR	109	6	0	0	0	0	115
5	DHAURA	231	223	113	59	13	1	640
6	KUSUM	49	63	29	0	0	0	141
7	KENDU	60	64	9	0	0	0	133
8	KASHI	41	26	3	0	0	0	70
9	HARIDA	2	0	0	0	0	0	2
10	BAHADA	14	13	0	0	0	0	27
11	MAHULA	23	11	0	0	0	0	34
12	HALANDA	259	110	47	2	0	0	418
13	MUNDI	61	24	0	0	0	0	85
14	BELA	19	9	0	0	0	0	28
15	JAMUN	20	4	0	0	0	0	24
16	AMLA	30	2	0	0	0	0	32
17	BANDHAN	78	124	34	2	0	0	238
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	32	12	3	0	0	0	47
23	MANGO	0	0	0	0	0	2	2
24	MISC.	1145	590	195	96	8	0	2034
	Total:	2478	1486	517	167	21	3	4672

Forest Range: Sorada Comp. No.: 26 Method: 5% Systematic Strip Enum.
Forest Block: Pondakhhol RF Total Area (Ha.) : 149.2 Grid Width in mtrs: 40
Period of Enum.: Nov. 2013 Area of Enum. (Ha.) : 7.46 Grid Length in mtrs: 1865

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	264	67	5	2	0	0	338
2	MAI	8	1	0	0	0	0	9
3	ASAN	254	58	5	0	0	0	317
4	CHAR	30	3	0	0	0	0	33
5	DHAURA	299	70	14	5	5	2	395
6	KUSUM	10	3	0	0	0	0	13
7	KENDU	65	22	2	0	0	0	89
8	KASHI	12	8	1	0	0	0	21
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	12	1	0	0	0	0	13
12	HALANDA	49	6	3	3	0	0	61
13	MUNDI	80	28	0	0	0	0	108
14	BELA	0	0	0	0	0	0	0
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	14	3	1	0	0	0	18
17	BANDHAN	125	15	4	3	0	0	147
18	PIASAL	7	4	0	0	0	0	11
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	28	22	0	0	0	0	50
23	MANGO	2	3	7	4	4	2	22
24	MISC.	682	325	74	7	4	1	1093
	Total:	1941	639	116	24	13	5	2738

Enumeration result of different compartments of Forest Blocks (SWC)
of Ghumsur South Division

Forest Range: Sorada	Comp. No.: 27a	Method: 5% Systematic Strip Enum.
Forest Block: Pondakhhol RF	Total Area (Ha.): 449.26	Grid Width in mtrs: 40
Period of Enum.: Nov. 2013	Area of Enum. (Ha.): 22.9	Grid Length in mtrs: 5725

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	638	365	206	181	133	48	1571
2	MAI	223	124	57	19	3	0	426
3	ASAN	207	132	70	13	2	0	424
4	CHAR	252	114	11	0	0	0	377
5	DHAURA	176	101	41	24	0	0	342
6	KUSUM	116	67	39	12	2	0	236
7	KENDU	50	50	7	2	0	0	109
8	KASHI	79	33	12	0	0	0	124
9	HARIDA	33	21	7	1	0	0	62
10	BAHADA	17	11	6	0	0	0	34
11	MAHULA	125	75	30	18	3	0	251
12	HALANDA	93	59	32	6	0	0	190
13	MUNDI	63	46	30	6	0	0	145
14	BELA	5	3	0	0	0	0	8
15	JAMUN	2	1	1	1	0	0	5
16	AMLA	28	11	1	0	0	0	40
17	BANDHAN	110	57	32	5	0	0	204
18	PIASAL	8	5	1	0	0	0	14
19	SISOO	0	0	0	0	0	0	0
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	1	2	0	0	0	0	3
22	SIDHA	107	52	32	10	0	0	201
23	MANGO	0	0	0	0	0	0	0
24	MISC.	1128	516	283	177	69	3	2176
	Total:	3461	1845	898	475	212	51	6942

Forest Range: Sorada	Comp. No.: 28	Method: 5% Systematic Strip Enum.
Forest Block: Pondakhhol RF	Total Area (Ha.): 419.35	Grid Width in mtrs: 40
Period of Enum.: Nov. 2013	Area of Enum. (Ha.): 20.97	Grid Length in mtrs: 5243

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	559	177	37	8	2	0	783
2	MAI	167	64	17	2	0	0	250
3	ASAN	354	123	26	2	1	0	506
4	CHAR	348	78	6	0	0	0	432
5	DHAURA	493	180	54	7	4	1	739
6	KUSUM	239	109	9	0	0	0	357
7	KENDU	109	94	14	4	1	0	222
8	KASHI	45	6	0	0	0	0	51
9	HARIDA	0	0	0	0	0	0	0
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	104	77	16	5	1	0	203
12	HALANDA	232	93	14	4	0	0	343
13	MUNDI	116	46	2	0	0	0	164
14	BELA	3	0	0	0	0	0	3
15	JAMUN	0	0	0	0	0	0	0
16	AMLA	104	18	1	0	0	0	123
17	BANDHAN	366	115	47	10	3	2	543
18	PIASAL	43	9	0	0	0	0	52
19	SISOO	12	0	0	0	0	0	12
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	50	15	0	0	0	0	65
23	MANGO	0	13	10	7	1	12	43
24	MISC.	1672	663	121	44	5	5	2510
	Total:	5016	1880	374	93	18	20	7401

Enumeration result of different compartments of Forest Blocks (SWC)
of Ghumsur South Division

Forest Range: Sorada Comp. No.: 29a Method: 5% Systematic Strip Enum.
Forest Block: Pondakhhol RF Total Area (Ha.) : 578.64 Grid Width in mtrs: 40
Period of Enum.: Nov. 2013 Area of Enum. (Ha.) : 28.99 Grid Length in mtrs: 7247

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	694	336	138	59	8	0	1235
2	MAI	492	226	29	6	0	0	753
3	ASAN	456	170	21	0	0	0	647
4	CHAR	422	172	12	0	0	0	606
5	DHAURA	445	119	37	2	1	0	604
6	KUSUM	138	44	14	0	0	0	196
7	KENDU	270	138	27	4	0	0	439
8	KASHI	77	58	6	0	0	0	141
9	HARIDA	96	52	9	0	0	0	157
10	BAHADA	144	52	5	0	0	0	201
11	MAHULA	224	77	4	0	0	0	305
12	HALANDA	316	118	20	2	2	0	458
13	MUNDI	239	85	2	0	0	0	326
14	BELA	4	1	0	0	0	0	5
15	JAMUN	229	82	16	3	0	0	330
16	AMLA	145	76	0	0	0	0	221
17	BANDHAN	328	161	40	8	0	0	537
18	PIASAL	6	45	2	0	0	0	53
19	SISOO	77	34	0	0	0	0	111
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	315	159	31	3	0	0	508
23	MANGO	0	0	3	2	1	0	6
24	MISC.	2116	938	229	79	16	2	3380
	Total:	7233	3143	645	168	28	2	11219

Forest Range: Sorada Comp. No.: 30 Method: 5% Systematic Strip Enum.
Forest Block: Pondakhhol RF Total Area (Ha.) : 563.18 Grid Width in mtrs: 40
Period of Enum.: Nov. 2013 Area of Enum. (Ha.) : 28.16 Grid Length in mtrs: 7040

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	538	236	52	20	9	3	858
2	MAI	404	234	82	3	0	0	723
3	ASAN	393	132	29	10	2	0	566
4	CHAR	280	132	18	1	1	0	432
5	DHAURA	359	186	51	14	11	1	622
6	KUSUM	114	61	11	0	0	0	186
7	KENDU	396	163	19	6	2	0	586
8	KASHI	42	19	5	0	0	0	66
9	HARIDA	10	2	0	0	0	0	12
10	BAHADA	57	0	0	0	0	0	57
11	MAHULA	130	43	4	0	0	0	177
12	HALANDA	309	104	22	14	3	0	452
13	MUNDI	61	9	2	0	0	0	72
14	BELA	0	0	0	0	0	0	0
15	JAMUN	11	4	0	0	0	0	15
16	AMLA	137	43	2	0	0	0	182
17	BANDHAN	341	134	43	22	5	0	545
18	PIASAL	51	27	3	0	0	0	81
19	SISOO	4	0	0	0	0	0	4
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	268	156	37	8	1	0	470
23	MANGO	0	0	0	0	0	0	0
24	MISC.	2581	1128	271	185	55	7	4227
	Total:	6486	2813	651	283	89	11	10333

Enumeration result of different compartments of Forest Blocks (SWC)
of Ghumsur South Division

Forest Range: Sorada Comp. No.: 31 Method: 5% Systematic Strip Enum.
Forest Block: Pondakhhol RF Total Area (Ha.): 475.59 Grid Width in mtrs: 40
Period of Enum.: Nov. 2013 Area of Enum. (Ha.): 23.90 Grid Length in mtrs: 5975

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	363	134	50	20	8	3	578
2	MAI	225	161	40	3	1	0	430
3	ASAN	237	178	71	16	0	0	502
4	CHAR	181	95	28	0	0	0	304
5	DHAURA	282	176	75	32	9	0	574
6	KUSUM	176	116	46	0	0	0	338
7	KENDU	234	143	60	5	0	0	442
8	KASHI	115	76	14	0	0	0	205
9	HARIDA	83	48	15	0	0	0	146
10	BAHADA	24	0	0	0	0	0	24
11	MAHULA	189	156	35	2	0	0	382
12	HALANDA	231	126	52	8	0	0	417
13	MUNDI	142	94	23	2	0	0	261
14	BELA	0	0	0	0	0	0	0
15	JAMUN	135	95	29	3	0	0	262
16	AMLA	159	80	8	0	0	0	247
17	BANDHAN	193	95	37	5	0	0	330
18	PIASAL	63	53	14	1	0	0	131
19	SISOO	4	2	0	0	0	0	6
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	207	118	32	0	0	0	357
23	MANGO	0	0	0	0	0	0	0
24	MISC.	1499	832	269	133	17	0	2750
	Total:	4742	2778	898	230	35	3	8686

Forest Range: Sorada Comp. No.: 32 Method: 5% Systematic Strip Enum.
Forest Block: Pondakhhol RF Total Area (Ha.): 475.59 Grid Width in mtrs: 40
Period of Enum.: Nov. 2013 Area of Enum. (Ha.): 23.78 Grid Length in mtrs: 5945

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	344	264	77	8	3	0	696
2	MAI	298	286	149	34	2	0	769
3	ASAN	204	157	77	32	0	1	471
4	CHAR	298	133	26	2	0	0	459
5	DHAURA	172	144	87	44	4	3	454
6	KUSUM	32	71	27	25	0	2	157
7	KENDU	101	71	13	0	0	0	185
8	KASHI	86	62	9	1	0	0	158
9	HARIDA	0	6	0	0	0	0	6
10	BAHADA	15	17	2	3	0	0	37
11	MAHULA	122	81	34	4	0	0	241
12	HALANDA	90	79	23	6	3	0	201
13	MUNDI	89	58	10	0	0	0	157
14	BELA	18	2	0	0	0	0	20
15	JAMUN	50	35	4	0	0	0	89
16	AMLA	122	75	17	13	0	0	227
17	BANDHAN	52	30	7	0	0	0	89
18	PIASAL	31	42	0	0	0	0	73
19	SISOO	1	6	1	0	0	0	8
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	2	1	1	0	0	4
22	SIDHA	100	58	25	2	0	0	185
23	MANGO	0	0	0	0	0	0	0
24	MISC.	1462	753	224	148	68	5	2660
	Total:	3687	2432	813	323	80	11	7346

Enumeration result of different compartments of Forest Blocks (SWC)
of Ghumsur South Division

Forest Range: Sorada Comp. No.: 33 Method: 5% Systematic Strip Enum.
Forest Block: Pondakhhol RF Total Area (Ha.) : 346.47 Grid Width in mtrs: 40
Period of Enum.: Nov. 2013 Area of Enum. (Ha.) : 17.30 Grid Length in mtrs: 4325

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	4	2	0	0	0	0	6
2	MAI	409	229	111	32	6	2	789
3	ASAN	143	121	88	42	12	3	409
4	CHAR	180	29	2	0	0	0	211
5	DHAURA	201	124	67	41	34	12	479
6	KUSUM	173	86	24	17	2	4	306
7	KENDU	53	40	10	3	0	0	106
8	KASHI	51	34	12	0	0	0	97
9	HARIDA	29	56	17	8	0	0	110
10	BAHADA	30	6	3	2	0	0	41
11	MAHULA	38	18	3	0	0	0	59
12	HALANDA	137	51	19	1	2	0	210
13	MUNDI	61	34	27	23	14	2	161
14	BELA	31	4	2	1	0	0	38
15	JAMUN	21	0	0	0	0	0	21
16	AMLA	37	3	0	0	0	0	40
17	BANDHAN	38	8	16	0	0	0	62
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	7	4	0	0	0	0	11
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	1	0	0	0	0	0	1
22	SIDHA	58	40	10	2	0	0	110
23	MANGO	0	0	0	0	0	0	0
24	MISC.	1366	510	163	73	38	19	2169
	Total:	3068	1399	574	245	108	42	5436

Forest Range: Sorada Comp. No.: 34 Method: 5% Systematic Strip Enum.
Forest Block: Pondakhhol RF Total Area (Ha.) : 567.05 Grid Width in mtrs: 40
Period of Enum.: Nov. 2013 Area of Enum. (Ha.) : 29.00 Grid Length in mtrs: 7250

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	210	68	26	0	0	0	304
2	MAI	360	271	120	20	3	0	774
3	ASAN	290	93	60	13	4	0	460
4	CHAR	370	185	9	0	0	0	564
5	DHAURA	455	244	104	59	8	0	870
6	KUSUM	112	107	61	7	0	0	287
7	KENDU	249	146	33	8	0	0	436
8	KASHI	161	95	18	0	0	0	274
9	HARIDA	95	42	4	2	0	0	143
10	BAHADA	14	20	1	1	0	0	36
11	MAHULA	145	111	71	20	7	1	355
12	HALANDA	235	108	38	0	0	0	381
13	MUNDI	182	136	25	1	1	0	345
14	BELA	34	7	1	0	0	0	42
15	JAMUN	69	23	1	0	0	0	93
16	AMLA	61	30	6	0	0	0	97
17	BANDHAN	89	55	23	0	0	0	167
18	PIASAL	148	35	7	0	0	0	190
19	SISOO	1	2	7	0	0	0	10
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	138	90	11	0	0	0	239
23	MANGO	0	0	0	0	0	0	0
24	MISC.	2213	1005	339	150	32	10	3749
	Total:	5631	2873	965	281	55	11	9816

Enumeration result of different compartments of Forest Blocks (SWC)
of Ghumsur South Division

Forest Range: Sorada	Comp. No.: 35	Method: 5% Systematic Strip Enum.
Forest Block: Pondakhol RF	Total Area (Ha.): 456.52	Grid Width in mtrs: 40
Period of Enum.: Nov. 2013	Area of Enum. (Ha.): 22.00	Grid Length in mtrs: 5500

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	215	117	63	9	4	4	412
2	MAI	289	129	94	21	11	0	544
3	ASAN	52	24	21	7	4	0	108
4	CHAR	452	68	12	1	2	0	535
5	DHAURA	128	192	147	68	30	9	574
6	KUSUM	101	89	44	38	18	14	304
7	KENDU	76	39	29	9	0	0	153
8	KASHI	31	3	0	1	2	0	37
9	HARIDA	42	18	11	1	0	0	72
10	BAHADA	2	2	3	1	0	0	8
11	MAHULA	86	73	42	14	15	2	232
12	HALANDA	56	30	17	0	4	0	107
13	MUNDI	87	87	33	18	3	0	228
14	BELA	37	7	0	0	0	0	44
15	JAMUN	6	5	0	0	0	0	11
16	AMLA	129	4	0	0	0	0	133
17	BANDHAN	170	90	42	13	2	0	317
18	PIASAL	0	0	0	0	0	0	0
19	SISOO	6	3	2	0	0	0	11
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	4	1	1	1	7
22	SIDHA	50	27	10	3	2	0	92
23	MANGO	0	0	1	0	0	0	1
24	MISC.	2244	747	187	48	10	10	3246
	Total:	4259	1754	762	253	108	40	7176

Forest Range: Sorada	Comp. No.: 36a	Method: 5% Systematic Strip Enum.
Forest Block: Pondakhol RF	Total Area (Ha.): 286.58	Grid Width in mtrs: 40
Period of Enum.: Nov. 2013	Area of Enum. (Ha.): 13.10	Grid Length in mtrs: 3275

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	164	62	60	22	10	2	320
2	MAI	92	32	18	0	0	0	142
3	ASAN	50	21	2	1	0	0	74
4	CHAR	250	47	0	0	0	0	297
5	DHAURA	167	132	26	2	0	0	327
6	KUSUM	43	23	3	0	0	0	69
7	KENDU	52	51	21	3	2	0	129
8	KASHI	15	12	0	0	0	0	27
9	HARIDA	29	18	4	0	0	1	52
10	BAHADA	0	0	0	0	0	0	0
11	MAHULA	27	20	8	0	0	0	55
12	HALANDA	45	19	4	1	0	0	69
13	MUNDI	29	14	2	0	0	1	46
14	BELA	5	2	0	0	0	0	7
15	JAMUN	25	7	2	0	0	0	34
16	AMLA	61	11	0	0	0	0	72
17	BANDHAN	15	2	0	1	0	0	18
18	PIASAL	3	4	2	0	0	0	9
19	SISOO	3	0	0	0	0	0	3
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	46	11	2	2	1	0	62
23	MANGO	0	0	0	0	0	0	0
24	MISC.	1189	412	84	21	6	1	1713
	Total:	2310	900	238	53	19	5	3525

Enumeration result of different compartments of Forest Blocks (SWC)
of Ghumsur South Division

Forest Range: Sorada Comp. No.: 1a Method: 5% Systematic Strip Enum.
Forest Block: Dhaugam RF Total Area (Ha.): 250.90 Grid Width in mtrs: 40
Period of Enum.: Dec. 2013 Area of Enum. (Ha.): 12.50 Grid Length in mtrs: 3125

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	212	111	46	17	10	6	402
2	MAI	127	77	29	11	1	0	245
3	ASAN	115	36	27	14	2	0	194
4	CHAR	184	85	5	0	0	0	274
5	DHAURA	66	36	33	19	7	1	162
6	KUSUM	66	25	10	4	0	0	105
7	KENDU	36	17	2	2	1	0	58
8	KASHI	77	31	2	0	1	1	112
9	HARIDA	18	12	2	1	0	0	33
10	BAHADA	18	6	0	0	0	0	24
11	MAHULA	48	21	0	2	1	0	72
12	HALANDA	33	19	1	0	0	0	53
13	MUNDI	48	17	3	0	0	0	68
14	BELA	30	22	1	0	0	0	53
15	JAMUN	20	8	1	0	0	0	29
16	AMLA	11	4	0	0	0	0	15
17	BANDHAN	25	13	2	1	0	0	41
18	PIASAL	6	1	0	0	0	0	7
19	SISOO	6	0	2	0	0	0	8
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	0	0	0	0	0	0	0
22	SIDHA	40	19	0	1	0	0	60
23	MANGO	0	0	0	0	0	0	0
24	MISC.	917	357	91	14	6	1	1386
	Total:	2103	917	257	86	29	9	3401

Forest Range: Sorada Comp. No.: 2a Method: 5% Systematic Strip Enum.
Forest Block: Dhaugam RF Total Area (Ha.): 375.20 Grid Width in mtrs: 40
Period of Enum.: Dec. 2013 Area of Enum. (Ha.): 18.70 Grid Length in mtrs: 4675

S.N.	Species	30-59 cm	60-89 cm	90-119 cm	120-149 cm	150-179 cm	>180 cm	TOTAL
1	2	3	4	5	6	7	8	9
1	SAL	308	112	21	10	3	2	456
2	MAI	200	137	33	14	2	0	386
3	ASAN	98	64	21	2	0	0	185
4	CHAR	193	121	6	0	0	0	320
5	DHAURA	119	93	26	4	1	0	243
6	KUSUM	123	79	32	1	0	0	235
7	KENDU	93	58	20	1	0	0	172
8	KASHI	84	56	15	0	0	0	155
9	HARIDA	41	45	6	0	0	1	93
10	BAHADA	47	37	0	1	0	0	85
11	MAHULA	61	41	14	2	0	0	118
12	HALANDA	93	50	23	0	0	0	166
13	MUNDI	92	58	22	2	0	0	174
14	BELA	55	22	0	0	0	0	77
15	JAMUN	52	32	2	3	0	0	89
16	AMLA	52	35	1	0	0	0	88
17	BANDHAN	84	50	9	0	0	0	143
18	PIASAL	12	3	0	0	0	0	15
19	SISOO	30	23	3	0	0	0	56
20	TEAK	0	0	0	0	0	0	0
21	TAMARIND	1	2	3	0	0	0	6
22	SIDHA	112	58	28	3	0	1	202
23	MANGO	0	0	0	0	0	0	0
24	MISC.	1433	558	267	77	32	4	2371
	Total:	3383	1734	552	120	38	8	5835

APPENDIX – XIX

STATUS OF REGENERATION

S.N.	Score	Status	Sym bol
1	0-50	Defficient	D
2	51-100	Fair	F
3	101-150	Moderate	M
4	151-200	Good	G
5	> 201	Excellent	E

ABSTRACT OF REGENERATION STATUS

Block: Pandakhhol RF

Compts	Species											
	Asan	Bandhan	Gambhar	Halanda	Jamun	Kashi	Kusum	M.Mundi	Piasal	S. Mai	Sal	Sisoo
1	D	D	D	D	D	D	D	D	D	D	G	D
2	D	D	D	D	D	D	E	D	D	D	M	D
3	D	D	D	D	D	D	E	D	D	D	D	D
4	D	D	D	D	D	D	E	D	D	D	G	D
5a	D	D	D	D	D	D	E	D	D	D	M	D
5b	D	D	D	D	D	D	E	D	D	D	E	D
6	F	D	D	D	D	D	E	D	D	D	F	D
7	F	D	D	D	D	D	E	D	D	D	D	D
8	F	D	D	D	D	D	E	D	D	D	D	D
9	D	D	D	D	D	D	E	D	D	D	M	D
10	F	D	D	D	D	D	E	D	D	D	D	D
11	D	D	D	D	D	D	E	D	D	D	M	D
12	E	D	D	D	D	D	E	D	D	D	M	D
13	D	D	D	D	D	D	E	D	D	D	E	D
14	F	D	D	D	D	D	E	D	D	D	F	D
15	D	D	D	D	D	D	E	D	D	D	D	D
16	D	D	D	D	D	D	E	D	D	D	M	D
17	D	D	D	D	D	D	E	D	D	F	D	D
18	D	D	D	D	D	D	E	D	D	D	D	D
19	D	D	D	D	D	D	E	D	D	M	D	D
20	F	D	D	D	D	D	E	D	D	D	M	D
21	D	D	D	D	D	D	E	D	D	F	D	D
22	D	D	D	D	D	D	E	D	D	D	F	D
23	D	D	D	D	D	D	E	D	D	D	G	D
24	F	D	D	D	D	D	E	D	D	F	D	D
25	D	D	D	D	D	D	E	D	D	D	F	D

26	F	D	D	F	D	D	D	D	D	D	E	D
27a	D	D	D	D	D	D	D	D	D	D	M	D
27b	D	D	D	D	D	D	D	D	D	F	D	D
28	D	D	D	D	D	D	D	D	D	D	M	D
29a	D	D	D	D	D	D	D	D	D	D	M	D
29b	D	D	D	D	D	D	D	D	D	D	E	D
30	D	D	D	D	D	D	D	D	D	D	D	D
31	D	D	D	D	D	D	D	D	D	D	M	D
32	D	D	D	D	D	D	D	D	D	D	D	D
33	D	D	D	D	D	D	D	D	D	D	F	D
34	F	D	D	D	D	D	D	D	D	D	D	D
35	D	D	D	D	D	D	D	D	D	D	D	D
36a	D	D	D	D	D	D	D	D	D	D	M	D
36b	D	D	D	D	D	D	D	D	D	D	D	D

Block: Pipalapanka RF

Compts	Species											
	Asan	Bandhan	Gambhar	Halanda	Jamun	Kashi	Kusum	M.Mund	Piasal	S. Mai	Sal	Sisoo
1	D	D	D	D	D	D	D	D	D	D	D	D
2	D	D	D	D	D	D	F	D	D	D	G	D
3	D	D	D	D	D	D	F	D	D	D	D	D
4	D	D	D	D	D	D	D	D	D	D	D	D
5	D	D	D	D	D	D	D	D	D	D	D	D
6	D	D	D	D	D	D	D	D	D	D	D	D

Block: Raipada RF

Compts	Species											
	Asan	Bandhan	Gambhar	Halanda	Jamun	Kashi	Kusum	M.Mund	Piasal	S. Mai	Sal	Sisoo
1	D	D	D	D	D	D	D	D	D	D	F	D
2	D	D	D	D	D	D	D	D	D	D	D	D
3	D	D	D	D	D	D	D	D	D	D	G	D
4	D	D	D	D	D	D	D	D	D	D	D	D
5	D	D	D	D	D	D	D	D	D	D	D	D

Block: Mundapita RF

Compts	Species											
	Asan	Bandhan	Gambhar	Halanda	Jamun	Kashi	Kusum	M.Mund	Piasal	S. Mai	Sal	Sisoo
1	D	D	D	D	D	D	D	D	D	D	F	D
2	D	D	D	D	D	D	D	D	D	D	D	D
3	D	D	D	F	F	F	D	D	D	D	F	D
4	D	D	D	D	D	D	D	D	D	D	F	D

Block: Dhaugam RF

Compts	Species											
	Asan	Bandhan	Gambhar	Halanda	Jamun	Kashi	Kusum	M.Mund	Piasal	S. Mai	Sal	Sisoo
1a	D	D	D	D	D	D	D	D	D	D	E	D
1b	D	D	D	D	D	D	D	D	D	D	M	D
2a	D	D	D	D	D	D	D	D	D	D	F	D
2b	D	D	D	D	D	D	D	D	D	D	D	D

Block: Hukuma RF

Compts	Species											
	Asan	Bandhan	Gambhar	Halanda	Jamun	Kashi	Kusum	M.Mund	Piasal	S. Mai	Sal	Sisoo
1	D	D	D	D	D	D	D	D	D	D	M	D
2	F	D	D	D	D	D	D	D	D	D	F	D
3	D	D	D	D	D	D	D	D	D	D	G	D

Block: Bandhagochha RF

Compts	Species											
	Asan	Bandhan	Gambhar	Halanda	Jamun	Kashi	Kusum	M.Mund	Piasal	S. Mai	Sal	Sisoo
1	D	D	D	D	D	D	F	D	D	D	D	D
2	D	D	D	D	D	D	D	D	D	D	D	D

Block: Dhepaguda RF

Compts	Species											
	Asan	Bandhan	Gambhar	Halanda	Jamun	Kashi	Kusum	M.Mund	Piasal	S. Mai	Sal	Sisoo
1	D	D	D	D	D	D	D	D	D	D	D	D
2	D	D	D	D	D	D	D	D	D	D	E	D

Block: Pankalgam RF

Compts	Species											
	Asan	Bandhan	Gambhar	Halanda	Jamun	Kashi	Kusum	M.Mund	Piasal	S. Mai	Sal	Sisoo
1	D	D	D	D	D	D	D	D	D	D	D	D

Block: Dabuki RF

Compts	Species											
	Asan	Bandhan	Gambhar	Halanda	Jamun	Kashi	Kusum	M.Mund	Piasal	S. Mai	Sal	Sisoo
1	D	D	D	D	D	D	F	D	D	D	D	D

APPENDIX – XX

Year Wise Plantation for last 20yrs of Ghumsur (South) Forest Division

ASKA PLANTATION

RANGE	YEAR	SCHEME	BLOCK NAME	AREA IN Ha./Rkm.	SURVIVAL (%)
Aska	1992-1993	Economic Plntn	Gadagada PRF	30	36
Aska	1992-1993	Economic RDF	Gadagada PRF	33	45
Aska	1993-1994	Economic Plntn	Pakidi PRF	30	45
Aska	1994-1995	Economic Plntn	Gouduni RF	20	35
Aska	1995-1996	Economic Plntn	Gouduni RF	40	35
Aska	1995-1996	Economic RDF	Gouduni RF	20	40
Aska	1996-1997	EAS	Gouduni RF	50	15
Aska	1996-1997	EAS	Gadagada PRF	50	10
Aska	1996-1997	Economic Plntn	Gouduni RF	40	25
Aska	1996-1997	Economic RDF	Gouduni RF	30	30
Aska	1997-1998	EAS RDF	Pakidi PRF	50	15
Aska	1998-1999	-	-	-	-
Aska	1999-2000	EAS Block Pltn	Pakidi PRF	20	25
Aska	2001-2002	NTFP	Pakidi DPF	50	10
Aska	2001-2002	NTFP	Mallijhar-II DPF	20	30
Aska	2003-2004	B. Economic Plntn	Baradabili (Chapudia DPF)	30	30
Aska	2004-2005		Rasibadi DPF	50	40
Aska	2005-2006		Chapudia DPF (Baradabilli)	20	10
Aska	2005-2006		Pakidi DPF	25	5
Aska	2006-2007		Badua PRF	25	45
Aska	2007-2008		Kansa DPF	50	15
Aska	2007-2008	12th FC Grant	Ambadabana DPF	70	12
Aska	2008-2009	B. Economic Plntn	Pakidi DPF	30	15
Aska	2009-2010	B. Economic Plntn	Karnoli	30	15
Aska	2010-2011	B. Economic Plntn	Hatimunda DPF Madangandapali	30	30
Aska	2010-2011		Hatimunda DPF Badagada site	20	35
Aska	2010-2011		Ambadabana DPF	50	98
Aska	2010-2011		Gouduni RF	50	85
Aska	2010-2011		Pakidi DPF	40	35
Aska	2011-12		Kulagda (AmbadabanDPF)	20	35

BADAGADA PLANTATION

RANGE	YEAR	SCHEME	BLOCK NAME	AREA IN Ha./Rkm.	SURVIVAL PERCENTAGE
Badagada	2007-2008		Badagada 'B'	50	45
Badagada	2009-2010		Badagada UDPF	60	85
Badagada	2010-2011		Badagada B DPF	30	70
Badagada	2010-2011		Raipada RF	20	70
Badagada	2011-12		K.Bhimpur (Badagada A UDPF)	50	93
Badagada	2011-12		Lembhakumpa (Badagada B DPF)	30	70
Badagada	2011-12	13th FC RDF with gap pltn within Working Plan	Rolla (Badagada A UDPF)	60	80
Badagada	2011-12		Ora (Revenue Land)	20	96

BUGUDA PLANTATION

RANGE	YEAR	SCHEME	BLOCK NAME	AREA IN Ha./Rkm.	SURVIVAL PERCENTAGE
Buguda	1990-1991	Economic Pltn	Kadapada RF	20	10
Buguda	1991-1992	Economic Pltn	Solundi RF	25	62
Buguda	1991-1992	Economic Pltn	Kadapada RF	25	20
Buguda	1992-1993	Economic Pltn	Solundi RF	34	50
Buguda	1992-1993	Economic RDF		25	15
Buguda	1993-1994	Economic Pltn	Panchbhuti RF	30	15
Buguda	1994-1995	Economic Pltn	Nagiri RF	20	50
Buguda	1994-1995	IWDP Pltn	Karchuli RL	50	45
Buguda	1995-1996	Economic Pltn	Kumarsuni RF	35	35
Buguda	1995-1996	Comp.Afftn.	Sandhachulia RF	85	50
Buguda	1996-1997	EAS	Sandhachulia RF	50	50
Buguda	1996-1997	EAS	Karchuli RF	50	45
Buguda	1996-1997	Economic Pltn	Sandhachulia RF	40	20
Buguda	1996-1997	JFM	Solundi RF	101	15
Buguda	1996-1997	JFM	Nagiri RF	101	16
Buguda	1997-1998	EAS RDF	Solundi RF	50	15
Buguda	1997-1998	EAS Block Pltn	Sandhachulia RF	15	15
Buguda	1998-1999	-	-	-	-
Buguda	1999-2000	-	-	-	-
Buguda	2000-2001	-	-	-	-
Buguda	2001-2002		Jholary DPF	20	10
Buguda	2001-2002		Bishnuchakra RF	40	10
Buguda	2001-2002		Sandhachulia RF	20	10
Buguda	2003-2004	B. Economic Pltn	Panchbhuti RF	40	50

Buguda	2003-2004	SGRY	Tangarai RF	25	50
Buguda	2004-2005	RSY	Karchuli 'A' RF Budurungu RF	20	50
Buguda	2004-2005		Panchbhuti RF	10	60
Buguda	2004-2005		Kriamba RF	32	75
Buguda	2005-2006		Jhollery DPF (Khirida)	20	10
Buguda	2005-2006		Budurungu RF	25	20
Buguda	2006-2007		Kriamba RF	25	45
Buguda	2006-2007		Kadapada RF	25	60
Buguda	2006-2007		Karchuli RF	25	60
Buguda	2007-2008	B. Economic Pltn	Kadapada RF	35	60
Buguda	2007-2008		Tangarai RF	65	60
Buguda	2007-2008		Panchbhuti RF	20	55
Buguda	2007-2008		Jhollery PRF	20	20
Buguda	2007-2008		Kadapada RF	40	60
Buguda	2008-2009		Bishnuchakra RF	60	70
Buguda	2008-2009		Chamunda RF	60	50
Buguda	2008-2009		Panchbhuti RF	70	75
Buguda	2009-2010		Panchbhuti RF	70	75
Buguda	2010-2011		Tangarai RF Banapali	25	75
Buguda	2010-2011	OBDP (S.P)	Chamunda RF	10	65
Buguda	2010-2011		suliapali w/s Kriamba RF	25	70
Buguda	2010-2011		Kanheipur w/s Kriamba RF	25	70
Buguda	2010-2011		singipur in Kriamba RF	10	70
Buguda	2010-2011		Nuapali in Kriamba RF	36	70
Buguda	2010-2011		Kriamba in Kriamba RF	20	68
Buguda	2010-2011		Nuapada in Kriamba RF	10	65
Buguda	2010-2011		Chirikipada in Kriamba RF	150	75
Buguda	2010-2011		kumuti ghai in Kriamba	24	75
Buguda	2010-2011		Panchubhuti RF	25	70
Buguda	2011-12		Chandanpedhi (Tangarai RF)	45	75
Buguda	2011-12	NBM Forest Area	Udayapur (Panchubhuti RF)	20	55
Buguda	2011-12		Raghunathpur (Panchubhuti RF)	50	85
Buguda	2011-12		Kunjabana (Binodia RF)	30	80

POLOSARA PLANTATION

RANGE	YEAR	SCHEME	BLOCK NAME	AREA IN Ha./Rkm.	SURVIVAL PERCENTAGE
Polosara	1990-1991	Economic Pltn	Sanaghati PRF	20	5
Polosara	1990-1991	Economic Pltn	Pandripada RL(Kanjama)	20	10

Polosara	1992-1993	Economic Pltn	Chanchunia RL	33	25
Polosara	1993-1994	Economic Pltn	Karakhola PRF	30	10
Polosara	1994-1995	Economic Pltn	Karakhola PRF	20	15
Polosara	1994-1995	IWDP Pltn	Pandripada RL	150	10
Polosara	1994-1995	IWDP RDF	Pandripada RL	200	45
Polosara	1995-1996	Economic Pltn	Bhallery RF	45	10
Polosara	1995-1996	JRY	Karakhola PRF	20	45
Polosara	1996-1997	EAS	Pandripada RL	100	10
Polosara	1996-1997	Economic Pltn	Karakhola RL	40	--
Polosara	1997-1998	EAS RDF	Kumarapari-Boreibana RL	50	10
Polosara	1997-1998	EAS RDF	Pandripada RL	30	10
Polosara	1997-1998	EAS Block Pltn	Chanchunia RL	25	10
Polosara	1997-1998	EAS Block Pltn	Pandripada RL	15	10
Polosara	1998-1999	-	-	-	-
Polosara	1999-2000	-	-	-	-
Polosara	2000-2001	-	-	-	-
Polosara	2001-2002		Pandripada RL (Khumula)	20	10
Polosara	2001-2002		Pandripada RL (Khumula)	20	20
Polosara	2001-2002		Kathagada	20	
Polosara	2002-2003	CSB Pltn	karakhol PRF	25	5
Polosara	2002-2003	CSB Pltn	Solapa PRF	30	5
Polosara	2002-2003	CSB Pltn	Dumunagiri DPF	20	5
Polosara	2002-2003	CSB Pltn	Ranibora 'A' DPF	25	5
Polosara	2003-2004	B. Economic Pltn	Paikhol in Bhallery PRF	20	10
Polosara	2003-2004	SGRY	Paikhol in Bhallery PRF	25	10
Polosara	2003-2004	B. Economic Pltn	Pandripada RL	40	30
Polosara	2004-2005		Pandripada RL (Ichhapur	10	20
Polosara	2005-2006	NFFWP	Dhoulamala in Purunapani Daburia PRF	10	30
Polosara	2006-2007	12th FC Grant	Pandripada RL Mahulapali	25	20
Polosara	2007-2008		Purunapani-Daburia PRF	40	20
Polosara	2008-2009		Sodak 'B'	30	65
Polosara	2008-2009		Sodak 'A'	40	34
Polosara	2008-2009		Pandripada RL Patalsingi	50	20
Polosara	2008-2009		Puranapani-Daburia PRF	50	56
Polosara	2009-2010		Sodak 'B' DPF	40	70
Polosara	2010-2011		Paikajamuna DPF	25	66
Polosara	2010-2011		Hatiota in Sodak 'B' DPF	150	72
Polosara	2010-2011		Paikajamuna DPF	107	62
Polosara	2010-2011		Puranapani-Daburia PRF	32	81
Polosara	2011-12		Rumagada (Sodaka B DPF)	30	60

SORADA PLANTATION

RANGE	YEAR	SCHEME	BLOCK NAME	AREA IN Ha./Rkm.	SURVIVAL PERCENTAGE
Sorada	1991-1992	Economic Pltn	Mundapita RF	50	10
Sorada	1991-1992	Economic RDF	Raipada RF	50	70
Sorada	1992-1993	Economic Pltn	Mundapita RF	33	45
Sorada	1992-1993	Economic RDF	Badangi	25	10
Sorada	1993-1994	Economic Pltn	Raipada RF	10	10
Sorada	1994-1995	Economic Pltn	Hukuma RF	20	50
Sorada	1995-1996	Economic Pltn	Hukuma RF	40	20
Sorada	1996-1997	EAS	Badaguda PRF	100	0
Sorada	1996-1997	Economic Pltn	Hukuma RF	40	45
Sorada	1997-1998	EAS RDF	Badagada 'A' PRF	50	25
Sorada	1998-1999	-	-	-	-
Sorada	1999-2000	EAS Block Pltn	Raipada RF	20	10
Sorada	2000-2001	-	-	-	-
Sorada	2001-2002		Badagada 'A' DPF	20	40
Sorada	2001-2002		Badagada 'A' DPF	20	60
Sorada	2003-2004	B. Economic Pltn	Hukuma RF (M.Gunduribadi)	35	60
Sorada	2006-2007		Hukuma RF	20	20
Sorada	2007-2008		Pipalapanka RF (Sampada)	30	45

APPENDIX – XXI

Government of Orissa, Forest Fisheries and Animal Husbandry Department

NOTIFICATION No. 8F(W) 2 / 89. 22755 / FFAH
Dated Bhubaneshwar the 19th September 1989

In exercise of the powers conferred by Section 36 of the Wildlife (Protection) Act, 1972 (53 of 1972), the State Government do hereby declare the areas described in the schedule given below, which is situated under Aska and Buguda Police stations of Ghumsur subdivision of Ganjam district, to be a game reserve called the 'Bhetnoi - Ballipadar Game Reserve', in which no hunting of any wildlife animal shall be permitted except under and in accordance with a license issued under the said section by the Chief Wild Life Warden or the authorized officer.

SCHEDULE :- The area of the Bhetnoi-Ballipadar Game Reserve is 15,867.98 Acres.

Boundaries :-

NORTH :- The northern boundary line of 'Bhetnoi - Ballipadar Game Reserve' starts from the river "Badanadi" near Kumarsuni Reserve Forest near Jiliba village and meets the Northern boundaries of Kumarsuni Reserve Forest. Then the line passes to village Thanapalli, Dhanarbadi and meets the Northern boundaries of Sollundi Reserve Forest then it passes, joining villages namely Barikpalli, Subudhipalli, Golabandha and ends near village Barapalli on the Southern banks of River "Bhagua" on the north eastern corner.

EAST :- Then the boundary line runs towards south along with the southern banks of river 'Baghua' starting from village Barikapalli joining Biranchipur, Adipur, Harisanpur, Krushnasaranpur, Buguda, Bhamasiali, Chandiapali, Budhiapalli, Kantapalli, Tentualia, Sanarapalli, Kushapalli, Humuki, Khasia, Ghatakuri and meets village Kotinada and joins Aska - Kabisuryanagar PWD road.

SOUTH :- Then the boundary line runs towards west along with Kabisuryanagar - Aska PWD road and joins the junction point near Nuagaon (Sugar factory) and passes through village Babanpur, Golapalli on the Aska - Buguda PWD road and proceeds to village Katibadi and joins the eastern boundary line of Gadagada PRF on the corner point of south eastern Point.

WEST :- The boundary line almost runs towards north along the eastern bank of river Badanadi and meet the southern boundary of village Jiliba on the Southern boundary of 'Kumarsuni Reserve Forests'. This line passes through the western boundary line of village Katibari, Karatali Alipur, Pathara, on the western boundary of Godagada PRF, Ataranga, Maharajpur, Dhaniya, Chandarli, Phapalpur, Patna and Gahongu.

By Order of Governor
D. S. Mishra,
Joint Secretary to Government

APPENDIX – XXII(A)

PROTECTION OF RESERVE FOREST AREA BY THE COMMUNITY

Forest, Fisheries & A. H. Department, Government of Orissa

Resolution No. 10F (Pron) - 47 / 88 / 17240 / FFAH, Dated Bhubaneshwar, 1.08.1988

Sub :- Protection of Reserve Forest areas by community.

(i) The question of involving village communities for effective protection and conservation of Reserve Forests was, for sometime past, under the active consideration of Government. After careful appraisal, Government are of the view that the task of protecting forests is so urgent and so enormous that the rural community should be fully and actively involved in it. Accordingly it has been decided that the following scheme of involving the rural community will be implemented in the state. Under this scheme, villagers will be assigned a specific role in the protection of Reserve Forest adjoining their village and will in return, be granted, under section 24 of the Orissa Forest Act, 1972 certain concessions in the matter of meeting their bonafide requirement of firewood and small timber.

(1) The concerned Divisional Forest Officer shall assign the peripheral Reserve Forest areas to be adjoining villages according to the compartment line. The area in one compartment may cover one or more villages. Wherever the compartment line does not exist, natural boundary like nala, bridges etc will form the demarcation point. Reserve Forest area notified under Section 18 (1) of the Wildlife (Protection) Act, 1972 will however, be excluded from the purview of the assignment.

(2) The concerned DFO shall constitute a Forest Protection Committee for each of the assigned village. The communities shall comprise the Sarpanch of the concerned Gram Panchayat, the Ward Members belonging to the village, the local Forester, Revenue Inspector, VLW and such other persons of the said village not exceeding three as may be nominated by the concerned Gram Panchayat. The total number of the members of the Committee shall be at least eight which shall, as far as possible include persons belonging to the Scheduled Castes or Tribes women and landless categories. The Sarpanch of the Gram Panchayat and the local Forester shall be the Chairman and Convener of the Committee respectively.

(3) The villages, shall through the Forest Protection Committee, furnish an undertaking to the concerned DFO for proper upkeep and maintenance of the assigned Reserve Forest areas. The assigned villages shall be responsible for fire protection and prevention of fellings, thefts of forest produce and encroachments in the assigned Reserve Forest areas. The Forest Protection Committee shall be responsible for ensuing performance of the above functions by villagers of the assigned village.

(4) For performance of the duties enumerated in para 3 the villagers shall be entitled to obtain their bonafide requirement of small timber and firewood for household consumption only and not for sale or barter. The Forest Protection Committee shall be responsible for

proper distribution of small timber and firewood among the household, keeping in view the following guidelines.

- (a) The minimum requirement of the household for building and agriculture purpose should be worked out by the Committee and distribution made accordingly on the basis of available produce, before meeting their demand for other purposes.
 - (b) As regards supply of firewood, the same shall be apportioned among the households keeping in view their real requirement as far as possible.
- (5) Small timber and firewood shall be removed from the assigned Reserve Forest areas only in accordance with a permit issued by the two members of the committee authorized for the purpose. The permit issued as above shall be valid only within the limits of the village boundary to which the household belongs.
- (6) The above scheme of assignment will come into force with effect from 2.10.1998. In the intervening period, the DFO will assign specific constitute the Forest Protection Committee.

ORDER

Ordered that the Resolution be published in the extraordinary issue of the Orissa Gazette.

By Order of the Governor
P. K. Mohanty
Secretary to Government

**GOVERNMENT OF ORISSA
FOREST, FISHERIES & A.H.DEPARETMENT ,**

Resolution No. 10F(Pron) – 47/88/23638/FFAH/Dated, Bhubaneswar
The 13th October, 1988

Sub :- Protection of reserve forest areas by the community.

(1) A scheme for involving the rural community in the task of protecting reserve forest through out the State has been enunciated by the Government in the Resolution No.17240-FFAH, Dated 01.08.1983, Para – 2 of the aforesaid resolution envisages constitution of a village level Forest Projection Committee comprising the Sarpanch of the concerned Gram Panchayat, the Word Members belonging to the village and at the most 3 other persons of the village, to be nominated by the concerned Gram Panchayat, as the non-official members. In addition, the local Forester, Revenue Inspector and the VLW are to be included as official members.

(2) After careful re-appraisal, it is now felt by the Government that the Committee should be constituted in consultation with the local villagers.

(3) Therefore, in partial modification of Para – 2 of the aforesaid Resolution, it has been decided that the non-official members of the village level Forest Protection Committee may be selected by convening a meeting of the concerned villagers. However the Sarpanch of the concerned Gram Panchayat and the Forester shall be the Chirman and Convenor of the Committee respectively.

ORDER

Ordered that the Resolution be published in the Extraordinary issue of the Orissa Gazettee.

By Order of the Governor
P.K.Mohanty
Secretary to Government

APPENDIX – XXII(B)

PROTECTION OF RESERVE FOREST AND PROTECTED FOREST AREA BY THE COMMUNITY

Forest, Fisheries & A. H. Department, Government of Orissa

Resolution No. 10 F (Pron) 4 / 90 / 29825 / FFAH, Bhubaneshwar, Dated 11.12.1990

Sub :- Protection of Reserve Forest and Protected Forest areas by the community and enjoyment of certain usufructs by the community.

The question of involving village community for effective protection and conservation of Reserved Forest and Protected Forest was for some time past, under active consideration of Government. After careful consideration, Government are of the view that the task of the protecting forest is so urgent and enormous that the community should be fully and actively involved in it. Accordingly, it has been decided that the following scheme of involving the rural community will be implemented in the state Under this scheme villagers will be assigned a specific role in the protection of Reserved Forest and Protected Forests adjoining their villages and will in return, be granted under section 24 of the Orissa Forest Act, 1972 certain concessions in Reserved Forest and taking into account prevalent practice and rights if any, in respect of Protected Forest in the matter of meeting their bonafide requirement of firewood and small timbers.

(1) The concerned Divisional Forest Officer shall assign the peripheral Reserved Forest and Protected Forest area to the adjoining villages according to the compartment line. The area in one compartment may cover one or more villages. Wherever the compartment line does not exit, natural boundary like nalla, bridges, etc will form the demarcation point. Reserve Forest areas notified under section 18 (1) of the Wild Life (Protection) Act, 1972 will however be excluded from the purview of the assignment.

(2) The concerned Divisional Forest Officer shall constitute a Forest Protection Committee for each of the concerned villages in consultation with the local villagers. The committee shall comprise the Sarpanch of the concerned Gram Panchayat, the Ward Members belonging to the village, the local Forester, Revenue Inspector, VLW and such other non official members of the village to be selected by convening a meeting of the concerned villagers. The total number of the members of the Committee shall be at least 8 which shall, as far as possible include, women and persons belonging to SC or ST and the landless, categories. The Sarpanch of the Gram Panchayat and the local Forester shall be the Chairman and convener of the Committee respectively.

(3) The villagers shall through the Forest Protection Committee, furnish an undertaking to the concerned Divisional Forest Officer for proper upkeep and maintenance of the assigned Reserved Forest and Protected Forest areas. The assigned villages shall be responsible for fire fighting and prevention of illicit fellings, theft of forest produce and encroachment in the assigned Reserved Forest and Protected areas. The Forest Protection Committee shall be responsible for ensuing performance of the above function by villagers of the assigned villages.

(4) For performance of the duties enumerated in para 3 the villagers shall be entitled to obtain their bonafide requirement of small timber and firewood for household consumption only and not for sale or barter. The Forest Protection Committee shall be responsible for proper distribution of small timber and firewood among the households, keeping in view, the following guidelines

(a) The minimum requirement of the household for building and agriculture purpose should be worked out by the Committee and the distribution made accordingly on the basis of available produce, before meeting their demand for other purposes.

(b) As regards supply of firewood the same shall be apportioned among the household keeping in view their real requirement as far as possible.

(5) Small timber and firewood shall be removed from assigned Reserved Forest areas and Protected Forest areas only in accordance with a permit issued by the two members of the Committee authorized for the purpose. The permit issued as above shall be valid only within the limits of the village boundary to which the household belongs.

(6) This supersedes this Departments resolution No. 17240 / FFAH, Dated 01.08.88 and 236 / FFAH, Dated 13.10.1988.

ORDER

Ordered that the Resolution be published in the next ordinary issue of the Orissa Gazette.

By Order of the Governor
P. K. Mohanty
Secretary to Government

APPENDIX – XXII(C)

THE ORISSA GAZETTE

No. 875 CUTTACK, Monday, July, 5th, 1993 / ASADHA 14, 1915.

FOREST AND ENVIRONMENT DEPARTMENT, GOVERNMENT OF ORISSA

Resolution No. 16700 - 10 F (PRON) - 20 / 93 - F & E dated 3rd July, 1993

Subject: Protection of Reserved Forest and Protected Forest areas by the community and enjoyment of certain usufruct by the community.

1. Large chunks of forest land in our state have been rendered degraded and unproductive over the years. According to recent estimates the extent of such degraded forest land in the state is about twelve lakh hectares. Degradation sets in on account of over use of the forest and ever increasing pressure of human and animal population on the forests. Forests are basically a local resource. The society has to address itself with urgency to the task of regeneration and rehabilitation of the degraded forests. The problems can be tackled effectively at the local level with the active involvement and participation of the adjoining village communities. Germane to the question of protection and regeneration of the forest is the system of management. Forest management has to be reoriented to forge an effective partnership between the Government Department and the concerned village communities.

2. In Orissa, the tradition of community initiative to protect degraded forests goes back to the early 1950s. In August 1988 the State Government had passed a resolution to formally introduce a scheme of protection of peripheral Reserve Forest areas with participation of the adjoining villages. The scope of this resolution was enlarged in December, 1990 to include the Protected Forest, and it was also laid down that Village Level Forest Protection Committees should be constituted by convening meeting of the concerned villages in return for helping the Forest Department in protection of the earmarked forest areas the villagers would be entitled to get small timber and firewood as may be available from these forest for meeting their bonafide requirement free of royalty. For a variety of reasons however this scheme has not made the desired impact in generating people's participation in protection of forests. After careful consideration Government has decided to implement the following scheme of Joint Forest Management in the State in which the Forest Department and the villagers of the adjacent village(s) will be equal partners in the task of regeneration and restoration of the degraded forests.

Selection of the Area

3. The scheme will operate in degraded forest land (Reserved and Protected Forest) with potential for regeneration. Only such forest area will be selected where the villagers of the adjacent village or cluster of villages are willing or can be motivated to offer active cooperation in regeneration and protection of forest tract, and only such villages shall be involved which are situated adjacent to the forest area. Sanctuaries and National Parks and forest land allotted for the purpose of commercial or industrial plantation or any other

Departmental afforestation scheme shall ordinarily be excluded from the ambit of this scheme. A single village committee may be allowed to develop up to about 200 ha of forest land. All the village woodlots, and Social Forestry Block plantation raised under SIDA assisted Social Forestry Project between 1984 - 1994 after being notified as Village Forest will also come under the purview of this scheme. The village in which such plantation has been raised may also be selected for the taking of regeneration and protection of abuttant degraded forest tract along with management of the said plantation.

Vana Samrakshana Samiti

4. The Gram Panchayat will convene on the suggestion of the DFO / Range Officer / Forester a general meeting of all adults living in the selected village, where the DFO / Range Officer / Forester will explain the scheme of Joint Forest Management as outlined in the following paragraphs. After evaluating the response and motivation of the villagers, and after taking due account of relevant factors, he may recommend constitution of Vana Samrakshana Samiti (VSS) of the village by the Gram Panchayat. There should be one Samiti for a group of helmets or villages if these are all located adjacent to the Forest area to be regenerated.

5. Vana Samrakshana Samiti should include as its members two adults from every household living in the village / cluster of the village, including all those who have been exercising any rights, concession or privileges over the forest area. One member of each house should be a woman.

6. The concerned Forester shall be the ex officio Secretary of the Samiti. He will convene meeting of the Samiti once in three months and keep minutes of the meetings.

7. Constitution of the Executive Committee

- (i) Each VSS will form its own executive committee for a term of two years at a time.
- (ii) The Committee will comprise ten to fifteen members and its composition will be as follows.

a)	Naib Sarpanch	Chairperson
b)	Ward Member(s) representing the villages	Members
c)	Six to Eight representatives elected /selected by the Samiti of whom atleast three shall be women members.	Members
d)	Concerned Forester	Member
e)	Concerned Forest Guard	Member
f)	Nominee of a concerned NGO in the area to be selected by the DFO.	Member

The Range Officer concerned will act as Returning Officer for filling in the quota of elected members at the commencement of each term of the committee.

- (iii) The Executive Committee shall select its own treasurer whose tenure shall be coterminus with that of the committee. The Forester and Forest Guard will not have any voting right.

(iv) Half the number of members of the Committee shall constitute the quorum in any meeting.

(v) In some cases where single villages are not coming forward to take up the responsibility, the concerned Gram Panchayat may resolve to regenerate tract of degraded forest over the villages comprising the Gram Panchayat have been traditionally exercising the rights of usage. The Divisional Forest Officer / Range Officer / Forester may explain the scheme of JFM to the members of the Gram Panchayat in a meeting, and after considering all aspects, he may recommended to the Conservator of Forests for allowing the particular Gram Panchayat as a body to participate in the scheme of JFM. On getting approval of the Conservator of Forests, the concerned Gram Panchayat will be required to constitute an Executive Committee in the above manner for the purpose of implementation of the JFM programme.

8. Duties and Responsibilities of the Samiti

(i) The members of the Samiti individually and collectively will ensure protection of the forest against grazing, fire, illicit felling, theft of forest produce and encroachment on forest land. The Samiti will adopt its own patrolling system and will contribute in cash, kind or in labour to control and regulate access to the forest by people and by domestic cattle.

(ii) It shall be the duty of all members to prevent forest offence and pass on relevant information and intelligence in this regard to the forest officials.

(iii) The member shall actively help the forest officials in apprehending any person committing offence in the forest area, and in giving proper evidence against any such person in the courts of law.

(iv) The members shall assist the forest officials in carrying out silvicultural and other forest improvement work in accordance with the joint forest management plan.

(v) There shall be a meeting of the Samiti at least once in three months and more often if required, to review the work of the Executive Committee and to decide on the future programmes and plans to be followed. For each such meeting the Samiti members will nominate their own Chairperson (if the Naib Sarpanch is absent) who will continue as such till the holding of the next meeting. The quorum in any meeting of the Samiti shall be 40 % of the members.

(vi) The Samiti will have the power to remove any non official member from the Executive Committee by a majority vote in its meeting if the concerned executive committee member does not discharge his / her duties correctly and satisfactorily.

9. Duties and responsibilities of the Executive Committee

(i) The Executive Committee shall meet at least once every month and take stock of the condition of the forest, the offence committed and other hurdles encountered in protection of the forest. There will be detailed deliberation on all aspects of protection and regeneration of the forest and execution of the management plan.

(ii) The local Forester who is the Member-Secretary will prepare the agenda notes in advance for each meeting and he will keep the minutes of the meeting. The meeting of the Executive Committee can be convened either by the concerned Forester or by the Naib Sarpanch. In the absence of the Naib Sarpanch the committee members should nominate any one of them to preside over a meeting. The Naib Sarpanch may depute her representative to the meeting of the committee on her behalf will be two third of the total number of members.

(iii) The committee will actively associate itself with the concerned forest officials in carrying out all operations as per the approved management plan, in arranging labourers, in apprehending offenders and in starting legal action against them.

(iv) The committee will be the first forum for resolution of conflicts that may arise within the village and with other villages. Information / reports on the persons committing forest offence will be discussed in the monthly meeting of the committee and suitable action as deemed proper will be initiated by the committee. Where the committee cannot amicably resolve any conflict or check any offence or restrain any offender, it shall bring the same to the concerned Forest Range Officer, with its recommendation of action to be taken.

(v) The Committee shall assist the forest officials in carrying out various silvicultural operations, intermediate and final fellings in accordance with the management plan and in distribution of the forest produce among the villagers.

(vi) Divisional Forest Officer / Assistant Conservator of Forests / Forest Range Officers will frequently familiarize themselves with the work of each committee, and may give guidance from time to time for proper functioning of the committee which will be binding on the committee members.

10. Role of the Forest Department

(i) The Range Officer will have the freedom to attend the meeting of the Executive Committee and those of the Samiti, to participate in their discussions and tender advice. He would have no voting right. The Forester concerned shall maintain the records of all meetings.

(ii) The DFO shall have the over all responsibility for implementation of the scheme, including formation of the Samiti and constitution of the Executive Committee.

(iii) The DFO will be responsible for preparation of the Joint Management Plan for the forest areas providing for the local people's requirements and wishes in the plan. It will be his responsibility to see that the approved programmes as per the JFM plan are properly executed associating the executive committee at each stage.

(iv) The Forest Officials will take suitable and immediate action against cases of forest offence brought to their notice by the Samiti or Executive Committee members.

(v) If the work of the Executive Committee found to be detrimental to protection / regeneration or proper management of the forest, the DFO shall record his findings, and he may dissolve the Executive Committee. On dissolution of the Executive Committee a meeting of the Samiti shall be convened to constitute a new Committee. The DFO may also remove any particular member from the Executive Committee if he is satisfied about the

validity of the charges against the said member. Any such action of the DFO is appealable to the concerned Conservator of Forest whose decision shall be final.

11. Role of the Gram Panchayat

(i) The Gram Panchayat in whose jurisdiction the scheme will be in operation would be advised to have a committee on Joint Forest Management. The subcommittee will review once in a quarter, the functioning of the Vana Samrakshana Samiti in general and particularly whether the responsibilities cast on the parties in the MOUs were being discharged satisfactorily. The Gram Panchayat would keep the concerned DFO apprised of the working of the Scheme from time to time.

12. Joint Forest Management Plan

(i) The ACF / Range Officer concerned will prepare a Joint Forest Management Plan by carrying out micro planning exercise. The objective of the plan will be to identify the measures necessary to increase productivity of the forest so as to cater to the demand for traditional forest products in that area particularly fuel, fodder, bamboo and timber requirement of the local people. Due emphasis will be laid on maintaining the standing biomass, its diversity and on increasing the availability of non timber forest products. If necessary, the DFO may convene a meeting of the Vana Samrakshana Samiti where he will explain the contents of the proposed management plan to the members clearly and obtain their comments and suggestions. The DFO shall also take the opinion and suggestions of the Executive Committee before submitting any plan for approval. Each plan will be scrutinized, corrected, modified if necessary, and approved by a technical committee headed by the territorial Conservator of Forests, and comprising the DFO, WPO and the Deputy Director, Social Forest Project. The Joint Forest Management plan will be prepared for a period of ten years.

(ii) Soil and water conservation measures shall form an integral part of the micro plan.

(iii) The plan will prescribe community based protection measures and work out the involvement of labour inputs including free labour to be contributed by the Samiti members. The executive committee shall assign specific duties and responsibilities to different members of the Samiti for smooth implement of the Management Plan. In respect of any wage employment to be created in accordance with the Management Plan, the members of the Samiti will have the first preference.

(iv) The implementation of the plan programme will be the responsibility of the Range Officer with active assistance and participation of the executive committee.

(v) The Management Plan will give the following details

- a) Area to be naturally regenerated, and species expected to regenerate and establish in the area.
- b) Action Programme for restocking the area and covering the gaps.
- c) Nature and model of plantation and choice of species. Socially useful trees like Neem, Mohua, Myrobolans, fruit bearing trees like Mango, Jackfruit, Kendu, Tamarind and Bamboo plants must be planted in reasonable number in consultation with the Samiti.

- d) Details of soil and moisture conservation measures.
- e) Demarcation of boundaries, watch and ward and maintenance of plantations.

13. Financial Arrangement

Government will bear the expenditure to be incurred for implementing the Joint Management Plan through the Forest Department. Financial assistance may be availed in shape of grant in aid from the NAEDB of the Ministry of Environment and Forest of Government of India, and assistance from Social Welfare Institutions, Industrial and commercial houses, and foreign donor agencies.

14. Usufructuary benefits

(i) The Vana Samrakshana Samiti will enjoy usufructuary benefits provided it discharges its duties and responsibilities as laid down in the scheme. Further duties and responsibilities in the task of regeneration and protection of the forests may also be cast on the Samiti / Committee from time to time. The Executive Committee will be responsible for distribution of the usufructs equally among the members, each household being treated as one member. If a particular household has not discharged the duties and responsibilities assigned to him, the executive committee may lessen or do away with its share.

(ii) Usufruct like leaves, fodder, grasses, thatch grasses, broom grasses, thorny fencing materials, brush wood and fallen lops and tops and twigs used as fuel wood shall be available to the members free of cost. Other usufructs like leased out minor forest produce, kendu leaves etc can be collected by the members, but these will have to be delivered to the departmental agency or lessee against payment of prescribed wages for the collection and delivery.

(iii) All intermediate yield in shape of small wood, poles, firewood etc as may be obtained in silvicultural operations will be equitably distributed among the members by the executive committee.

(iv) Timber and poles as may be obtained from a major harvest or final felling shall be shared between the forest department and the Vana Samrakshana Samiti in equal shares. The executive committee on behalf of the Samiti will have the option either to distribute the said 50% of the total produce among the members of the Samiti in equal shares or to request the Forest Department to dispose of the same and make the net sale proceeds available for distribution in cash among the members.

(v) In respect of the village wood lots and other Social Forestry Plantation raised under the SIDA Forestry Project on land which has been notified as village forest and brought under Joint Forest Management, village community shall be entitled to 100% usufructs including final harvest of the plantation. When the area is subsequently planted or regenerated in a second rotation, usufructuary benefits will however be as prescribed in the proceeding para 14 (i) to (iv).

15. Memorandum of understanding

Vana Samrakshana Samiti through its executive committee shall execute an MOU with the concerned Divisional Forest Officer for active participation in the task of protection, regeneration and management of the forest area and for implementation of the programmes as per the Joint Management Plan. The members of the Samiti will be allowed to remove fallen and dry branches, leaves, grass, various usufructs of the trees, free of charge after execution of the MOU. The villagers will be eligible for getting further benefits under the scheme in shape of the share in the final harvest after successful implementation of the scheme continuously for five years. The MOU shall be in the following form.

We, the members of the executive committee of the Vana Samrakshana Samiti of village do hereby undertake individually and collectively to perform the duties and shoulders the responsibilities as detailed in the resolution No. 16700 / F&E dated 03 / 07 / 1993 of the Forest and Environment Department, Government of Orissa, for proper protection and regeneration of the degraded forest area as per the schedule given here under Schedule.

1. Name of the Vana Samrakshana Samiti
2. District or Forest Division
3. Subdivision or Forest Range
4. Police Station
5. Village
6. Name of the Forest Block
7. Legal status of the Forest land
8. Area (Hectare) of the Forest Land
9. Boundaries of the area

North
South

East
West

We understand that the usufructuary benefits as detailed in the aforesaid resolution shall be allowed only upon satisfactory observance of the duties, responsibilities and functions by this executive committee and by the members of the Vana Samrakshana Samiti as per the aforesaid resolution.

A copy of the aforesaid resolution is annexed herewith duly signed by us one every page in proof / evidence of our having read / understood the same in letter and spirit. It is hereby agreed that this MOU will come in to effect from.....

Signature of the members of
the Executive Committee

Signature of the Witnesses

Name and address

Signature
with date

Name and address

Signature
with date

- 1.
- 2.
- 3.

- 1.
- 2.
- 3.

Signature of the Local Forest Officers

Sl.	Designation	Name	Signature with date
1.	DFO		
2.	ACF		
3.	Forest Range Officer		
4.	Forester		
5.	Forest Guard		

16. **Steering Committee**

There shall be a Steering Committee at the State level which will meet once in a quarter to guide and direct the operation of the scheme. It will hold extensive deliberations on specific problems and hurdles faced in implementation of the scheme. It will take up review to identify good points and shortcomings and to amend rules and regulations to steer the course of events in a positive direction. The Steering Committee shall be headed by the Minister, Forest as the Chairman, and will have the following ten members.

1.	Secretary to Government of Orissa Forest & Environment Department	Member
2.	Principal Chief Conservator of Forests	Member
3.	Director, Social Forestry Project	Member
4.	Two Officers of the rank of CCF/ Addl. CCF / Conservator of Forests to be nominated by the Forest Department	Members
5.	Conservator of Forests, Development Circle	Member Secretary
6.	Any two activists in the field of JFM selected by Government	Members
7.	Two non official Experts nominated by Government	Members

Once nominated to the Steering Committee the incumbent will have tenure of two years.

17. This supersedes FF & AH Department Resolution No. 29525 - 10 F (Pron) 4 / 90 FF & AH dated 11th December, 1990.

ORDER

Ordered that the Resolution be published in the extraordinary issue of the Orissa Gazette

By order of the Governor
HIMANSU SEKHAR SARKAR
Commissioner-Cum-Secretary To Government

N.B. Amendments made vide No. 10 F (Pron) - 1 / 94. 14292 / F & E Bhubaneswar, dated 4. 8. 94 and No. F (TR) - 1 / 94 .227 / 6 / F & E (Policy & Law) dated Bhubaneswar 7.12.94 notifications is included.

APPENDIX – XXII(D)

RESOLUTION

Order No. 22180 / FE Bhubaneshwar dated 30.09.1996

Subject :- Incentives to villagers for protection of forests and conferment of right to usufruct in respect of forests protected by villagers.

In our State it has been the policy of the Government to involve the villagers as partners in the task of protection of forests and rehabilitation of degraded forests in their locality. However, on account of uncertain tenure of the villagers on forests in general and forest produce in particular, satisfactory progress has not been achieved in this direction. In order to obtain active cooperation of the villagers in halting degradation of forests, it is necessary to confer specific rights in favour of the Village Communities in respect of various forest products. After careful consideration, Government has decided that right on the forest produce shall be conferred on the villagers in respect of the forest areas within the limits of the respective villages or situated adjacent to the villages. For this purpose, the concerned villagers have to form Vana Samrakshana Samiti through which they will exercise their right to control and management over the forest in question, which will also be notified as Village Forest for that village. To work out such a process of conferring collective right on the villagers, the management of the peripheral forests has to be village based, and the village has to be treated as the basic unit of management of such forests. All kinds of forests including degraded forests will be protected with the cooperation of the concerned villagers and in lieu of extending such cooperation, the villagers will be entitled to take from the forests various forest products to meet their bonafide requirements. The villagers of any particular village can exercise their collective right over the forest situated within the boundaries of the village or area notified as village forest for the village. The local forest officer will not allow villagers of other distant villages to collect firewood and other forest produce from such forests.

The scope of the collective right to be conferred on the village communities will be as follows:

- a) The village community which has taken active part in the plantation and rehabilitation of village forests and in their protection and maintenance under the Social forestry project, or have been guarding and protecting forests situated within the boundaries of the village or adjacent to the village for a number of years will be conferred the responsibilities for control, management and protection of the forests in question. Which part of the forest in question located outside the boundaries of the village will come under the control of the village community will be decided taking into account the situation and other aspects of the surrounding villages. For this purpose, the boundaries of the forest area will be demarcated on the ground through durable marks and the said forest will be declared as the “village forest” for that village. Such work of demarcation of boundaries of village forests will be carried out in a formal manner by the Divisional Forest Officer, Sub-Collector and the Tahasildar concerned on the basis of a joint verification.

b) The local village community will have the primary right of usage and management of the forest notified as village forest. A management scheme will be prepared by the village community for the purpose, and the same will be approved by the DFO concerned. As the village community takes responsibility for protection and management of the forests; it will get authority for regulating the usage of the said forest in accordance with the management scheme.

c) Each resident family who is a member of the village community will be eligible to gather wood and bamboo etc as may be available from the said forest area, free of any charges. The village community may allow any such collection by its members in its own authority. The village community may grant such permission keeping in view the state of forest and rules and regulations of management adopted for the same.

d) The members of the village community will have the full right to collection of non timber forest produce from the said forest area, the possession and storage of the same and for processing the products for preparation of their commodities. However, any such produce can be disposed of only to the lessees, agents or authorized officials of the Government at prices fixed for the same.

(Unofficial translation provided by Shri S. C. Mohanty, IFS, Special Secretary to Government, Forest & Environment Department, Orissa.)

Source: Joint Forest Management Update, 1998, Society for Promotion of Wastelands Development, New Delhi.

APPENDIX – XXII(E)

EXTRAORDINARY PUBLISHED BY AUTHORITY

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FOREST & ENVIRONMENT DEPARTMENT RESOLUTION

The 9th September, 2011

Sub: Joint Forest Management Resolution, 2011

1. Introduction:

Forests are one of the complex eco-systems of our planet. The role of forests in conservation of environment and economic prosperity of mankind is well established. Economic growth and environment protection are inextricably linked. For surviving on the earth human beings will have to live in harmony with nature. The need for conservation of environment and protection of forests and wildlife has been enshrined in our Constitution. Orissa has 61018 Sq. kms of forest area which is 39.18% of the geographical area of the State. The existing forest cover of 31.38 % of its geographical area plays a very significant role in the socio-economic and cultural life of the people of the State. However, over the past few decades, the forests of Orissa are under heavy biotic pressure. The rich biodiversity of the State faces the risk of depletion. Man-animal conflict is on the rise. Hence, conservation and development of the forest eco-systems of Orissa is a priority of the State Government.

The National Forest Policy, 1988 envisaged co-operation of the people in conservation and development of forests. In keeping with this policy Government of Orissa adopted the Joint Forest Management (JFM) approach and sought community participation for protection, regeneration and management of the forest wealth. JFM has not only been a tool for forest regeneration, but also a means of employment generation and social empowerment of the forest-fringe dwellers.

The State Government enacted the Orissa Village Forest Rules, 1985 which envisaged preparation of a Management Plan for every village forest and sought co-operation of the community in protection of these forests. In 1988, the

State Government passed a resolution to formally introduce a Scheme of Protection of peripheral Reserve Forest areas with participation of the adjoining villagers by forming a Village Level Forest Protection Committee. The scope of this resolution was enlarged in 1990 to include the Protected Forests. To make the forest-people interface more effective, the Government of Orissa in Forest & Environment Department issued a Resolution dated 3.7.1993. This resolution dealt, in a fairly exhaustive manner, the involvement of all local communities in protection of adjoining forests, formation of Van Samrakshyana Samiti (V.S.S.), duties and responsibilities of the V.S.S. and their Executive Committees and the role of Forest Department and Gram Panchayats, preparation of Joint Forest Management plans, usufruct benefits for the V.S.S. and provisions of MoU etc. Since these Resolutions in the past did not cover the Mangrove Wetlands and the Protected Areas (PA) of the State, i.e. National parks and Sanctuaries, and participatory

modes of management are needed there too, the 2008 Resolution was issued to extend the participatory approach to all types of forests. Eco-development was adopted as a strategy in order to improve the livelihood of local people and thereby secure their support for conservation.

Participatory Forest Management in JFM mode is an evolving concept encompassing ecological socio-cultural and economic dimensions. People have played an important role in protection and regeneration of forests all over the state of Orissa. Villagers have either formed V.S.Ss as per JFM Resolution or Community Forest Management Groups outside the existing JFM framework. It is desirable that associations of people, whether formed under Government resolutions, or by peoples' own initiative, with the forest conservation as the principal and core objective, are allowed to function smoothly.

Panchayat Extension to Scheduled Area (PESA) Act, 1996, which is applicable to scheduled areas, lays down as follows: "Every Gram Sabha shall be competent to safeguard and preserve the traditions and customs of the people, their cultural identity, community resources and the customary mode of dispute resolution; Every Gram Sabha shall approve the plans, programmes and projects for social and economic development before such plans, programmes and projects are taken up for implementation by the Panchayat at the village level and be responsible for the identification or selection of persons as beneficiaries under the poverty alleviation and other programmes." This Act vests the ownership of Minor Forest Produce (MFP) on Gram Panchayats in Scheduled areas. The decision of Government of Orissa to do away with the monopolies in collection and trading in 69 items of MFP is in consonance with the spirit of PESA Act.

The community forest resource has been defined under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 (popularly known as Forest Rights Act). As per the said Act, community forest resource means customary common forest land within the traditional and customary boundary of the village and seasonal use of the landscape in case of pastoral communities etc. The Minor forest produce has been defined under the Forest Rights Act which includes all non-timber forest produce of plant origin such as bamboo, brushwood, stumps, cane, tassar, cocoons, honey, wax, lac, tendu or kenduleaf, medicinal plants and herbs, roots, tubers and the like. It may be mentioned here that in case of Kendu Leaf, the current policy of Government is to discharge certain responsibilities with a view to protecting the livelihood of forestdependent communities while providing management inputs to facilitate a scale of operation required for adequate value realization and sustainable management process.

Under the Forest Rights Act, the Gram Sabha is to initiate the process of determining the individual and community forest right. Therefore the enactment of FRA provides an opportunity not only to strengthen the existing Participatory Forest conservation and management initiatives but to promote such initiatives in the areas which are devoid of such institutional arrangements. With the changing scenario of Forest Management, increasing awareness among people and experiences gained from the past management practices; it is now felt necessary that the resolution on Joint Forest Management, 2008 is revised.

2. Selection of Area:

(i) The forests of the State to be covered under this Resolution shall be grouped into the following two categories:

(a) Reserved Forests, Protected forests, Village forests, Revenue forests etc. not covered under Protected Areas.

(b) Protected Areas (National Park and Sanctuaries) excluding Core Areas, and Mangrove Wetlands.

The Committee constituted for the first category of forests will be known as Vana Surakshya Samiti (VSS) while the Committee constituted for the second category will be known as Eco-development Committee (EDC).

(ii) While deciding the extent of area to be assigned, the Palli Sabha shall consult the Forest Range Officer concerned and take into account the area customarily being protected and used by the community, the number of adjacent villages, their claims, if any, and users' regime. In case a group of villages decide to constitute one VSS jointly, they may do so. The local Forester will provide the technical input and facilitate the process of identification of the forest area to be managed by the committee.

(iii) In case any change is required in the extent of forest area assigned to the existing VSS formed under the JFM Resolution, 2008, the same can be done in consultation with the village community and the local forest department officials not below the rank of a Forest Range Officer.

3. Constitution of VSS/EDC:

(i) Ordinarily there will be one VSS/EDC for a single village. One VSS may also cover more than one village or there may be more than one committee in a village especially large in size. Other Forest Protection groups, if any would also be covered under this Resolution.

(ii) All adults of the village will be the members of the VSS/EDC. They may pay an enrolment fee determined by the General Body (GB) of VSS/EDC.

(iii) The Palli Sabha shall send its Resolution to the Range Officer concerned regarding constitution of VSS / EDC for his record and communication to the DFO concerned for registration at the Division level.

4. Constitution of the Executive Committee (EC):

(i) The Palli Sabha shall elect the Chairperson, the Vice-Chairperson, the Secretary and the Treasurer and a minimum of other 11 (eleven) members to constitute the Executive Committee. At least 50% of the members of the EC shall be women. The number of SC & ST members in the Executive Body shall be in proportion to their membership in VSS / EDC. There should also be representation from the group of community, who do not have any livelihood support other than depending on the forests.

(ii) Either the Chairperson or Vice-Chairperson shall be a woman.

(iii) The composition of the EC shall be as follows:

1. Chairperson 1 Elected Member
2. Vice-Chairperson 1 Elected Member
3. Secretary 1 Elected Member
4. Treasurer 1 Elected Member
5. Ward Member (s) concerned *Ex officio* Member (s)
6. Members 11 Elected Members
7. Local Forest Guard 1 *Ex officio* Member

(iv) The Range Officer concerned will act as the Returning Officer for conducting the election of the EC. It shall be the responsibility of the Returning Officer to ensure that the representation in the EC is in accordance with reservation specified in Para-i above.

(v) The EC will have tenure of 3 years at a time.

5. Meeting:

(i) General Body (GB)

(a) The GB meeting of the VSS / EDC shall be held at least once in every six months. It can also be called as and when required.

(b) The Secretary with the approval of the Chairperson will convene the meeting of the GB. Ordinarily a 15 days' notice would be necessary for convening the meeting. A copy of the notice will be sent to the Gram Panchayat.

(c) The Chairperson and in his absence the Vice-Chairperson shall preside over the meetings.

(d) 50% of the members of the VSS / EDC will constitute the quorum for the GB. At least one third of the members present should be women.

(e) Under special circumstances, a special meeting of the VSS/EDC can be convened provided at least one third of the members agree to convene such a meeting and make such a request to the Chairperson in writing. Where the Chairperson does not convene the meeting, the Secretary shall convene the GB meeting with the approval of the Vice-Chairperson. In all such cases, a 3 days' notice would be necessary indicating the purpose of the said meeting. The decision in such meeting shall be taken by a minimum of 2/3rd members of VSS / EDC.

(f) The Secretary shall record the proceedings and get them approved by Chairperson. A copy of the proceedings would be either pasted in a register or preserved in a guard file. A copy of the Resolution will be forwarded to the Forest Range Office and the Gram Panchayat under the signature of the Secretary.

(g) The Executive Committee shall be elected by GB at least one month before expiry of its tenure.

(ii) Executive Committee (EC)

(a) EC would meet as often as possible and necessary, but not less than once in two months.

(b) The meeting will be presided over by the Chairperson and in his absence by the Vice-Chairperson.

(c) The quorum for any meeting of the EC shall be 50% of its membership, out of which at least one-third shall be women.

6. Duties and responsibilities of VSS / EDC:

- (i) The members of the VSS / EDC shall individually and collectively protect the forest, wildlife and biodiversity.
- (ii) The VSS / EDC shall put in necessary efforts so that adjoining catchments area, water resources and other ecologically sensitive areas are protected.
- (iii) The VSS/ EDC shall place adequate emphasis on plantation of indigenous medicinal and NTFP species in the forests as well as outside the forest area adjoining the village.
- (iv) The VSS / EDC shall ensure that the decisions taken in the Palli Sabha to regulate access to community forest resources and stop any activity which adversely affects the wildlife, forests and the biodiversity, are complied with.
- (v) The General Body of the VSS /EDC shall have the powers to remove and/or substitute any elected member of the EC by a two third majority of the members if the concerned member does not discharge his/her duties satisfactorily.

7. Duties and responsibilities of the Executive Committee (EC):

- (i) The EC shall carry out the day-to-day business of the VSS / EDC as per provisions of the Resolution. The EC shall prepare the Micro Plan and Annual Work Plan for the assigned forest area and integrate other developmental activities outside the forest area associated with the forest based livelihood system and get it approved by the VSS / EDC after technical scrutiny by the Forest Range Officer concerned. The EC shall be responsible for managing and implementing the Micro Plan and Annual Plan and other decisions of the General Body of VSS / EDC.
- (ii) The EC shall be responsible for protection of the forests assigned to the VSS / EDC and extend their assistance to the Forest Department for apprehending the offenders who commit forest offences. If the members of the VSS / EDC play a significant role in detection of forest offence and seizure of the forest produce within their village limits, they will be entitled for a fixed percentage of the value of the forest produce (except in case of WL Trophies) so seized as per procedure laid down in Para. - 11(iii).
- (iii) The EC in consultation with the GB shall evolve methodology on all issues relating to membership, conflict resolution, prevention of encroachment, exercise of customary rights and use of the permissible forest resources such as NTFP including Bamboo.
- (iv) The EC shall be responsible to account for and manage the funds and other resources received from the Government, other agencies and funds internally generated, if any. For this purpose a joint account called VSS account/EDC account shall be opened in any commercial, rural or Co-operative Bank recognised by the RBI or in any post office, which shall be operated, jointly by the Secretary and the Treasurer of the VSS / EDC. Utilisation Certificate relating to the expenditure incurred shall be jointly signed by the Chairperson and the Secretary and submitted to the authorities concerned.
- (v) The EC shall be responsible for managing funds received by VSS / EDC by maintaining and operating VSS / EDC account as per the procedure detailed in Annexure A.

(vi) The EC shall try to establish marketing linkage for various NTFP items and other micro-enterprise products for securing better returns for the members. The Forest Department will provide necessary support in this regard.

(vii) Annual account of VSS / EDC shall be placed before the GB for its approval.

8. Role of Palli Sabha:

As per the 73rd Amendment of the Constitution, certain powers and responsibilities have been vested on the PRIs. Therefore it is necessary to define the relationship between village level institution like VSS / EDC and the PRI and establish a linkage with the Palli Sabha.

(i) Regarding protection and conservation of forest, wildlife and environment, the EC shall work as a Sub-Committee of Palli Sabha.

(ii) If the work of the EC of any VSS / EDC is found to be detrimental to forest conservation and against the larger and long term interests of the people, the VSS / EDC may recommend for dissolving and reconstituting the EC. The Palli Sabha, on receipt of such recommendation may enquire into the matter and forward its findings to the Divisional Forest Officer for necessary action. The Divisional Forest Officer, after examining the merit will dissolve the EC and advise the GB of VSS / EDC for its reconstitution. Such dissolution will be formally placed by the DFO before the District Level Steering Committee in its next meeting for information.

9. Role of the Forest Department:

(i) To register the VSS / EDCs and maintain close liaison with them.

(ii) To support the VSS / EDCs in identifying and apprehending the forest offender(s).

(iii) To take action as per law in cases where VSS / EDC members have handed over the offender(s) and forest produce involved in the offence.

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(iv) To assist in capacity building of VSS / EDC members on different aspects of forest management, planning, silviculture, nursery technology, forest laws, accounting, book keeping, micro-enterprise development, value addition and processing of NTFPs etc.

(v) To provide technical help to the VSS / EDCs in preparation and implementation of the Micro plan/ annual work programme.

(vi) To invite suggestion from the VSS / EDCs while preparing the Working Plan / Management Plan of the concerned Forest Area / Protected Area.

(vii) To sign Memorandum of Understanding with the VSS / EDCs and ensure sharing of benefit as per norms in vogue.

(viii) To establish co-ordination with other departments/agencies for successful implementation of the micro plans and related area development programmes.

(ix) To facilitate the process of discharging the duties and resolving the conflicts by the ECs.

10. Micro Plan:

(i) After constitution of the EC, as soon as possible, a Micro Plan shall be prepared by the members of the Committee through a participatory process involving VSS Members and with the technical input provided by the field officers of the Forest Department.

(ii) The Micro Plan shall be prepared for conservation and sustainable management of the assigned forests while integrating other developmental activities outside the forest area associated with the forest based livelihood system, with participation and involvement of line departments, wherever necessary.

(iii) The Micro Plan will primarily prescribe afforestation with priority for plantation of indigenous medicinal and NTFP species, soil and moisture conservation measures and activities to be undertaken for livelihood support of the forest dependent communities. It may also incorporate formation of SHGs and micro-enterprises that could be undertaken based on locally available resources and may include activities such as:– eco-tourism, farm forestry, Agro forestry, Silvi-pasture development, promotion of fuel-efficient devices, animal husbandry, pisciculture, bee keeping, mushroom cultivation, tassar/lac cultivation etc.

(iv) The Micro Plan shall indicate the choice of species in different plantation schemes and models. It shall contain a detailed silvicultural operations plan, which shall be consistent with the prescriptions of the overall working plan covering the area or the Wildlife Management Plan of the Protected Area.

(v) The Micro Plan so prepared shall be in consonance with the existing laws of the land.

(vi) The Micro Plan shall also detail out the various NTFP items that can be collected. This shall be done with due regard to the carrying capacity, productivity and biodiversity of the local eco-system.

(vii) The draft Micro Plan prepared by the EC, will be scrutinized by the Forest Range Officer from the technical, financial and legal point of view. After that the same shall be placed before the GB for deliberation and approval.

11. Usufruct sharing:

(i) The VSS / EDC shall be entitled to the usufructuary benefits from the assigned forests as under:—

(a) Usufructs like fallen leaves, fodder grasses, thatch grass, broom grass, fencing materials, brushwood, fallen lops, tops and twigs to be used as fuel shall be available to the members free of cost.

(b) All intermediate yields in the shape of small wood, poles, firewood etc as may be obtained as a result of silvicultural operations and bamboo harvested in VSS / EDC assigned area shall be made available to the VSS / EDC members in a manner as may be decided by EC. If sold at a price, the funds so obtained shall be deposited in the VSS / EDC account.

(c) In case of Kendu leaves and specified forest produce other than bamboo, if any, the VSS will have the right to collect the same from the assigned forest but these items will be disposed of as per the prevailing provisions of Government and practices.

(d) While maintaining the forest cover in perpetuity, if any major harvest or final felling occurs in the assigned forest, the same shall be taken up by the forest department as per the prescription of the working plan/ duly approved micro plan. In case of natural calamities, harvesting of wind-fallen trees shall be treated as final harvest. Priority will be given to the members of the VSS /EDC for salvaging and harvesting work. Valuation of the produce so obtained shall be done and information shared with the VSS /EDC and the produce will be sold / disposed of by the forest department or by agents of the forest department. The VSS / EDC will receive 50% share of the sale price after deduction of proportionate harvesting cost and this will be deposited in the "VSS account". The VSS may also opt for 50% of the forest produce so harvested if it is for their *bonafide* domestic use and they agree to pay the proportionate cost of harvesting.

(e) In case of village woodlots created and maintained by the VSS / EDC on non forest land, all usufructs including interim and rotational harvests shall go to the VSS / EDC.

(f) In the event of a natural calamity occurring in the village there may be a demand for house building materials and other forest produce from the assigned forest. In such cases, the VSS / EDC may go for harvesting the required quantity of timber or other forest produce as a deviation to the Micro Plan, with due approval of the Divisional Forest Officer concerned.

(ii) The EC shall be responsible for the distribution of the usufructuary benefits equitably among the members of the VSS. Need of the group or community, who do not have any livelihood support other than depending on the forests, should be specially considered.

(iii) In cases where member/ a group of members of the VSS /EDC play a major role in the collection of intelligence, detection and seizure of illegal forest produce in transit the concerned VSS/EDC shall be entitled to the prescribed percentage of the sale price of the forest produce as per Rule 4 (3) of the Orissa Rewards for Detection of Forest Offences Rules, 2004. Such amount shall be deposited by the DFO in the "VSS account/EDC account" after disposal of the seized produce following due procedure of law.

12. Transit of harvested forest product:

All forest produce requiring permits for transit as per provisions of Orissa Timber and Other Produce Transit Rules, 1980 shall be removed from the assigned forest area in accordance with a permit to be issued jointly by the President and the Secretary in the prescribed format (Form-4). The permit shall be valid only within the limits of the area to which the VSS members belong. A record will be maintained to this effect by the VSS / EDC and the Secretary will keep the local Forest Range Officer informed of the same on a quarterly basis. In case of transportation outside the above limit, the permit will be issued by the competent forest officer on receipt of application from VSS / EDC.

13. Conflict Resolution:

(i) In case of intra village conflict in matters of implementation of Joint Forest Management, the Executive Committee of the VSS/ EDC shall endeavour to amicably

resolve the conflict. If it fails to resolve the conflict, it shall bring the same to the notice of the Palli Sabha and try to sort out the issue. If the conflict still remains, the same would be referred to the Sub Divisional Level Steering Committee formed in the line of the SDLC under FRA, 2006 and their decisions would be final.

(ii) In case of inter village conflict; the same would be referred to the Sub Divisional Level Steering Committee and their decisions would be final.

14. Memorandum of Understanding (MoU):

(i) To ensure smooth working relationship between the Forest Department and the VSS /EDC and also to bring in a sense of ownership, empowerment and accountability a MoU shall be signed between the FD and VSS / EDC delineating the duties and responsibilities of the parties concerned.

(ii) The Chairperson of the VSS will sign the MoU on behalf of the VSS while the Range Officer concerned will sign the same on behalf of Forest Department. Other members at the EC will also be signatory to the MoU as witness while the concerned local forest officials such as:— the Forester and Forest Guard will sign the MoU as witness.

(iii) The MoU shall be in the prescribed form (Form-5).

15. Steering Committee:

(i) There shall be Steering Committees at the Sub Division Level, District Level and at the State Level.

(ii) Sub Division Level Steering Committee (SDLC): This committee shall comprise of the following members:—

(a) Sub Collector : Chairperson

(b) Assistant Conservator of Forests : Member Convener

(c) An Officer of the Tribal Welfare Department : Member
in-charge of the Sub-Division

(d) Sub Divisional Police Officer (SDPO) : Member

(e) Forest Ranger concerned : Member

(f) Tahashildar concerned : Member

(g) Chairperson of the Panchayat Samiti : Member
concerned

(h) Zilla Parishad member : Member

(i) Two Chairpersons/Vice-Chairpersons of : Member VSS/EDC (to be nominated by
the DFO)

(iii) The SDLC will be responsible to resolve all cases of intra village and inter village conflicts as referred to them in regards to smooth functioning of VSS / EDC.

(iv) The SDLC will meet at least once in every quarter and shall facilitate functioning of the VSS / EDC and provide necessary support and guidance to them.

(v) The SDLC will facilitate the VSS / EDC for protection and sustainable management of forests, forest based livelihood and holistic development of the villages.

(vi) The SDLC may invite the representatives of the committees concerned and other such peoples' representatives, reputed persons / organizations working in the field of forest management to their meetings as per requirement.

(vii) District Level Steering Committee (DLSC): This committee shall comprise of the following members:—

- (a) District Collector : Chairperson
- (b) Divisional Forest Officers : Member (Territorial and Wildlife)
- (c) ADM dealing with land matters : Member
- (d) Deputy Director (Agriculture) : Member
- (e) Chief District Veterinary Officer : Member
- (f) PD, DRDA : Member
- (g) PA, ITDA : Member
- (h) District Welfare Officer : Member
- (i) Deputy Director Horticulture : Member
- (j) Soil Conservation Officer : Member
- (k) 5 VSS (Chairperson/ Vice-Chairperson : Member (at least 2 women) (to be nominated by the DFO)

(viii) The DFO concerned having the jurisdiction over the district headquarters will be the Member Convener of the meetings of DLSC.

(ix) The tenure of the non-official members will be three years.

(x) The DLSC may co-opt NGOs or other experts as members with credibility and experience of working on forest related issues.

(xi) The DLSC will meet at least once in six months and shall facilitate functioning of the VSS / EDC and provide necessary support and guidance to them.

(xii) The DLSC will oversee protection and sustainable management of forests, forest based livelihood and holistic development of the villages.

(xiii) State Level Steering Committee (SLSC): The constitution of the State Level Steering Committee shall be as under:—

- 1. Minister (Forest) : Chairperson
- 2. Chief Secretary : Vice-Chairperson
- 3. Principal Secretary, F & E Department : Member
- 4. Principal CCF (O) : Member
- 5. PCCF (WL) : Member

6. 2 D.F.Os./One RCCF from field to be : Member nominated by PCCF (O) on rotation basis
7. Secretary, Revenue Department : Member
8. Secretary, Rural Development Department : Member
9. Secretary, Home Department : Member
10. Secretary, PR Department : Member
11. Secretary, SC & ST Department : Member
12. Chief Conservator of Forests (Central) : Member
13. Director, Orissa Watershed : Member Development Mission
14. Two representatives of : Member Civil Society Organisations / Experts
to be nominated by F&E Department
15. Special Secretary, F& E Department : Member
16. Chairpersons of two VSS / EDC to be nominated by the PCCF (O) : Member
- 17.CCF (Plan, Programme & Afforestation), Office of PCCF, Orissa: Member- Convener

(xiv) The non-official members of the State Level Steering Committee will have tenure of three years.

(xv) The Committee shall meet at least once in a year to guide the process of participatory forest management.

(xvi) Changes in the Resolution, if any shall be placed before the SLSC for approval and recommendation to Government.

16. Repeal and Savings:

This supersedes Forest & Environment Department Resolution No.17454-1FAffn. 17/2008/F&E., dated the 22nd October, 2008. However, all VSSs already formed under provisions of Forest & Environment Department Resolutions made earlier will be treated as VSS formed under this Resolution.

O R D E R

Ordered that the Resolution be published in the Extraordinary issue of the *Orissa Gazette*.

By order of the Governor
AUROBINDO BEHERA
Principal Secretary to Government

VSS / EDC Account and Procedure of Accounting

(i) The Executive Committee (EC) of the VSS / EDC shall be responsible to account for and manage the funds and other resources received from the Government, other agencies and funds internally generated, if any. For this purpose a joint account called VSS account/EDC account shall be opened in any commercial, rural or Co-operative Bank recognised by the RBI or in any post office, which shall be operated, jointly by the Secretary and the Treasurer of the VSS / EDC. The account will be opened in the style of “(village name/any other prefix) VSS / EDC Account”. All money received by the VSS / EDC either in cash or instrument shall be deposited into the account before it is used for any purpose.

(ii) Any withdrawal from the VSS / EDC account can be done only after a specific resolution of the EC in this regard.

(iii) The funds deposited into the VSS / EDC account shall be utilised towards the conservation, development and management of forest, development of the village or for any other purpose ancillary to the implementation of the Micro Plan.

(iv) In case the EC decides to spend the money from the “VSS Account/EDC account” for any other purpose it shall seek the approval of the General Body of the VSS / EDC.

(v) In case of detection of any financial irregularity the General Body may pass a resolution and freeze the VSS / EDC account for a specific period and refer the matter to the Palli Sabha. The Palli Sabha may conduct necessary enquiry and may take required action.

(vi) The Secretary shall be fully responsible for up keeping the Monthly account and maintenance of the Cash Book of the VSS / EDC. The local Forest Officials will provide guidance to the EC, whenever necessary to maintain the account in proper form.

(vii) A quarterly work programme may be drawn up by the EC and implemented subject to availability of funds for the purpose. Funds will be withdrawn accordingly from the VSS / EDC Account.

(viii) All vouchers will be passed by the EC and jointly signed by the Secretary and the Treasurer and shall be retained at the VSS / EDC level. The Secretary will prepare the monthly cash account along with an abstract of receipt and expenditure by the 10th of the following month to be approved by the EC.

(ix) Annual receipt and expenditure of the VSS / EDC shall be audited by an auditor to be appointed by the General Body of the VSS / EDC. The annual statement of receipt and expenditure of the VSS / EDC account shall be placed before the GB for its approval. Whenever funds provided by Govt. are utilized, the audited and approved abstract of annual receipt and expenditure shall be communicated by the EC to the concerned RO and DFO for record.

(x) Utilisation Certificate relating to the expenditure incurred out of funds received from Government or any other external agency shall be prepared by the Treasurer and jointly signed by the Chairperson and the Secretary and submitted to the authorities concerned.

Form -1

RESOLUTION

We the following villagers of _____ villages (s), hereby resolve to have formed / reconstituted a Vana Surakshya Samiti (VSS) / Eco Development Committee (EDC) for the protection and management of the part/whole of _____ forest in accordance with the provisions of Para 3 i of the Orissa Joint Forest Management Resolution, 2011. The details of the area are as follows:—

1. Name of Committee:
2. Village:
3. Gram Panchayat:
4. C.D. Block:
5. Police Station:
6. Forest Beat:
7. Forest Section:
8. Forest Range:
9. Total Members (list of members enclosed):
 - (i) No. of S.T. member _____
 - (ii) No. of S.C. member _____
 - (iii) No. of Women members _____
10. Forest areas protected and managed _____ ha.
11. Name of the Forest Block _____
12. Comp. No. _____

NAME OF VILLAGERS SINGATURE

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.

Form – 2

OFFICE OF THE FOREST RANGE OFFICER _____ RANGE

Memo No. _____ Date _____

FORMATION OF VSS / EDC

The villagers of _____ village (s) have formed / reconstituted the Vana Surakshya Samiti / Eco Development Committee (EDC) as per the provision of Para 3i of the Orissa Joint Forest Management Resolution, 2011 for the protection and management of the part/whole of _____ forest. The details of the area are as follows:—

1. Name of Committee:
2. Village:
3. Gram Panchayat:
4. C.D. Block:
5. Police Station:
6. Forest Beat:
7. Forest Section:
8. Forest Range:
9. Total Members (list of members enclosed):
 - (i) No. of S.T. member _____
 - (ii) No. of S.C. member _____
 - (iii) No. of Women members _____
10. Forest areas proposed to be protected and managed _____ ha.
11. Name of the Forest Block _____
12. Comp. No. _____

The Resolution of the Palli Sabha of the village of _____ village(s) is forwarded herewith for registration of the VSS / EDC in accordance with the provision of Para 9 i of the Orissa Joint Forest Management Resolution, 2011.

Signature of Forest Range Officer

Form – 3

OFFICE OF THE DIVISIONAL FOREST OFFICER _____ DIVISION

OFFICE ORDER NO. _____ Date _____

In accordance with the provision of Para 9 i of the Orissa Joint Forest Management Resolution, 2011, the _____ Vana Surakshya Samiti / Eco Development Committee is here by registered in this office vide Registration No. _____.

Forest Area Schedule:

Extent of Forest Area: ha

Description of Location:

**DIVISIONAL FOREST OFFICER _____
FOREST DIVISION**

OFFICE OF THE DIVISIONAL FOREST OFFICER _____ DIVISION

Memo No. _____ Date _____

Copy forwarded to Forest Range Officer _____ Range for information and necessary action. He is instructed to demarcate the forest area as per above schedule and depict the area in the topo sheet (1:50000 scale). A copy of the map should be available with the VSS / EDC, and in the Range Office. Another copy of the map should be submitted to this office for record.

Copy forward to Sarpanch, _____ Gram Panchayat for information and necessary action.

**DIVISIONAL FOREST OFFICER _____
FOREST DIVISION**

Form – 4

**PERMIT UNDER THE ORISSA JOINT FOREST MANAGEMENT
RESOLUTION – 2011**

- ☐ Name of the assigned Forests _____
- ☐ Description of Forest produce Quantity _____
- ☐ Source of Procurement of the forest produce _____
- ☐ Name of the VSS / EDC Member _____

Date of issue:

Destination:

Valid up to:

Signature of the President
_____ VSS / EDC

Signature of the Secretary
_____ VSS / EDC

Form -5

MEMORANDUM OF UNDERSTANDING

1. We the members of the Executive Committee of the Vana Surakshya Samiti /Eco Development Committee of _____ village and the Officials of _____ Forest Range under _____ Forest Division have come together to collaborate and perform the duties and shoulder the responsibilities as detailed in the Orissa Joint Forest Management Resolution, 2011, for protection, and sustainable management of the forest areas as per the schedule given hereunder.

- i. Name of the VSS / EDC
- ii. Registration N.
- iii. District _____
- iv. Forest Division _____
- v. Forest Range:
- vi. Section :
- vii. Beat:
- viii. Police Station :
- ix. Village:
- x. Name of the assigned Forest Block:
- xi. Legal status of the Forest area:
- xii. Area (Ha) of the assigned forest:
- xiii. Boundaries of the area:

North
South

East
West

2. It is hereby agreed by and between us to abide by the provisions of JFM Resolution, 2011.

3. We undertake to function in consonance with the existing laws of the land.

4. A copy of the aforesaid Resolution is annexed herewith duly signed by us on every page in proof/evidence of our having read/understood the same in letter and spirit. It is hereby agreed that this MoU will come into effect from _____.

Signature of the Chairperson
_____ VSS / EDC

Witnesses:

- 1.
- 2.
- 3.

Signature of R.O.
Range:

Division:

Witnesses:

- 1.
- 2.
- 3.

APPENDIX – XXIII(A)

Cost norm for Rehabilitation Working Circle

Norm of work		Person days	Labour (Rs.)	Material (Rs.)	Total (Rs.)
0th Year					
1.	Survey, Demarcation and Pillar posting, GPS Reading with mapping.	2	300	-	300
2.	Silvicultural operation including clearance of weed, Climber cutting, high stump cutting, singling of shoots etc.	05	750	-	750
3.	Contingency and unforeseen expenditures	-	-	150	150
	Sub Total	07	1050	150	1200
1st Year					
1.	Silvicultural operation including clearance of weed, Climber cutting, high stump cutting, singling of shoots etc.	15	2250	-	2250
2.	Soil Conservation measure	20	3000	-	3000
3.	Contingency	-	-	300	300
4.	Fire line tracing	03	450	-	450
	Sub Total	38	5700	300	6000
2nd Year					
1.	Soil Conservation measure	08	1200	-	1200
2.	Fire line tracing	01	150	-	150
3.	Contingency	-	-	150	150
	Sub Total	09	1350	150	1500
3rd Year					
1.	Fire line tracing	01	150	-	150
	Sub Total	01	150	-	150
4th Year					
1.	Fire line tracing	01	150	-	150
	Sub Total	01	150	-	150
		61	8400	600	9000
	Watch & ward or entry point activities for the VSS for protection				1000
	Grand Total				10,000

APPENDIX – XXIII(B)

Cost norm for Block Plantation @ 1600 plants/ Ha/Wage rate Rs.150/- /day

Item of work		Person days	Labour (Rs.)	Material (Rs.)	Total (Rs.)
0th Year(Advance work) pre-planting operation					
1.	Survey, Demarcation and Pillar posting,	2	300	-	300
2.	Site preparation	08	1200	-	1200
3.	Alignment and stacking of pits	02	300	-	300
4.	Digging of pits (30 cm cube)	40	6000	-	6000
5.	Nursery cost (one year old seedling) part	40	6000	6000	12000
	Sub Total	92	13800	6000	19800
1st Year/ Planting year					
1.	Nursery cost (One year old seedling) balance	14	2100	300	2400
2.	Carriage & Planting, casual replacement, manuring, insecticide appln.	21	3150	-	3150
3.	Cost of insecticide & fertiliser	-	-	3150	3150
4.	1 st weeding (complete weeding)	07	1050	-	1050
5.	Manuring	05	750	-	750
6.	2 nd weeding (Complete weeding)	05	750	-	750
7.	Soil working (50 cm radius around plants)	07	1050	-	1050
8.	Fire line tracing & Inspection path	03	450	-	450
9.	Soil Conservation measures in the form of staggered.	10	1500	-	1500
10.	Watch & Ward	07	1050	-	1050
	Sub Total	79	11850	3450	15300
2nd Year maintenance					
1.	Causality replacement with nursery cost	12	1800	-	1800
2.	Weeding (complete weeding)	06	900	-	900
3.	Application of fertiliser	04	600	-	600
4.	Cost of fertiliser	-	-	1800	1800
5.	Soil working (50 cms. Radius around plants)	07	1050	-	1050
6.	Fire line tracing (2m. Wide fire line over 400 m. Long)	03	450	-	450
7.	Watch & ward	15	2250	-	2050
	Sub Total	47	7050	1800	8850
3rd Year maintenance					
1.	Weeding and application of fertiliser	07	1050	-	1050
2.	Cost of fertiliser	-	0	1800	1800
3.	Soil working (50 cms. Radius around plants)	07	1050	-	1050
4.	Fire line tracing (2m. Wide fire line over 400 m)	03	450	-	450
5.	Watch & ward	15	2250	-	2250
	Sub Total	32	4800	1800	6600
4th Year maintenance					
1.	Fire line tracing (2 m. Wide fire line over 400m long) pruning.)	03	450	-	450
2.	Watch & ward	15	2250	-	2250
	Sub Total	18	2700	-	2700
	Grand Total	268	40200	13050	53250

ABSTRACT OF PLANTATION COST NORM

Planting Operation Year	Person days	Labour (Rs.)	Material (Rs.)	Total (Rs.)
0 th year of Maintenance	92	13800	6000	19800
1 st year of Maintenance	79	11850	3450	15300
2 nd year of Maintenance	47	7050	1800	8850
3 rd year of Maintenance	32	4800	1800	6600
4 th year of Maintenance	18	2700	0	2700
Total	268	40200	13050	53250

APPENDIX – XXIII(C)

Cost of Norms for Maintenance of Old Existing Plantation

Norm of work		Person days	Labour (Rs.)	Material (Rs.)	Total (Rs.)
1		2	3	4	5
1.	Survey, Demarcation and Pillar posting, GPS Reading with mapping.	2	300	-	300
2.	Silvi-cultural operation including clearance of weed, Climber cutting, high stump cutting, singling of shoots etc.	20	3000	-	3000
3.	Soil & Moisture Conservation	20	3000	-	3000
4.	Fire line - Cost outlay @1650 / Km (10Ha has 1Km Fire-line)	-	-	-	165
5.	Fire watcher - Cost outlay @22500 / watcher (1watcher for 100 Ha.)	-	-	-	225
Sub Total		42	6300	-	6690

APPENDIX – XXIV

LIST OF FOREST ROADS OF THE DIVISION

Name of Road	Length (KM)	Year of Construction	Cost Incurred (Rs)
BUGUDA RANGE			
1. Karadaladi – Khalapani	5.00	1920-22	1523
2. Kondelli – Karadabadi	4.80	1925-26	--
3. Nuapalli- Badatand- Kriamba	3.40	1937-38	424
4. Kholapani- Panchabuti	11.00	1942-47	3448
5. Karchuli – Samalai	5.00	1946-48	5067
6. Nuapalli - Nadiamba	15.00	1950-53	4305
7. Sariusa – Suliapalli	4.00	1950-54 to 1962-63	7750
8. Talasara- Golia	9.00	1952-53	4898
9. Manitarā- Kendarei	2.40	1957-58	1400
10. Karchuli – Nuapalli	9.00	1974-75	19100
11. Hingada- Kausarada	2.40	1973-74 & 1975-76	20000
12. Talsara – Nuapalli	10.00	--	--
13. Talasara – Randi	5.00	--	--
POLSARA RANGE			
1. Randi – Dhanipalli	30.00	1967-68	3500
2. Ichhfapur – Bhatapada	9.00	1967	4300
3. Randi – Nadiamba	7.00	1967-68	7500
4. Nadiamba – Parimba	8.00	1977-78 & 1979-80	38000
SORADA RANGE			
1. Ballipadar – Khajuripada	11.00	1965-66	10300
2. Minajodi – Adiguda	9.00	--	--
3. Gazalbadi – Adiguda	13.00	--	--
4. Andigudi – Adipanka	11.00	1971-72	5000
5. Asurabandha – Minajodi	11.00	--	--
6. Badagada – Besarabata	10.00	1974-75	15000
7. Naudipadar - Pajilura	4.50	1965-66	10300
ASKA RANGE			
1. Gambhariguda – Bhaliaguda	13.00	1960-61 & 1962-63	--
2. Dharakote – Padampur	5.50	--	--
3. Badapur – Barisingi	9.00	1966-67 to 1968-69	20160
4. Bhaliaguda - Asoka	5.00	1970-71 to 1971-72	10000
Source : Divisional Forest Officer, Ghumsur (South) Division			

APPENDIX – XXV

LIST OF NOTIFIED CHECK GATES OF THE DIVISION

S.N.	Location	Notification Number
01.	Dhaupada on Buguda –Sheragada-Aska-MDR road at 12 th Km	Orissa Gazette dated 11.04.1980
02.	Ballipadar on Buguda-Ballipadar-Aska PWD road at 12 th Km from Buguda	Orissa Gazette dated 14.03.1980
03.	Golia on Buguda-Ballipadar-Aska PWD road at 12 th Km from Buguda	
04.	Bhabarada on Bhabarada-Polasara PWD road at 0.5 km from Bhabarada	
05.	Kalasandhapur on Aska-Kalasandhapur-Sorada PWD road at 8 Km on Sorada road	
06.	Burudi on Sorada –Gazalbad PWD road at 1.5 Km from Sorada	
07.	Digapahandi on Digapahandi-Mohana-Rayagada PWD road at '0' Km on the Aska-Chikiti Junction	
08.	Chikiti (Unified Checkgate) on Berhampur – Chikiti PWD via NH 5 at 2 Km from Chikiti town	
09.	Saunlai on Burupada-Sheragada MDR 64.03 Km from State Highway No.7	Orissa Gazette dated 06.03.1987
10.	Prayagi on Khjuriapalli-Bajrakote ODR at 10 Km from NH-5	Orissa Gazette dated 06.03.1987
11.	Dhaugam on Dhaugam Junction on MDR -62 Road in between 2 nd and 3 rd Mile stone from Aska to Sorada	Orissa Gazette dated 03.12.1982
12.	Girisola, At Girisola, State Border Commercial Tax Check gate on NH-5	Orissa Gazette dated 08.07.1983
13.	Budhamba on Budhamba to Polasara PWD road at 0 Km away from Budhamba MDR 72	Orissa Gazette dated 17.03.1989
14.	Buguda NAC Octroi Check Gate No.2, Buguda to Aska PWD road at 29.4 Km away from Aska MDR 68	Orissa Gazette dated 31.03.1989
15.	Unified Check Gate existing at Ganjam Toll Gate on NH-5	Orissa Gazette dated 07.07.1989
16.	Baniabadi Junction near Sumandal on the Junction towards Sumandal road	Orissa Gazette dated 27.03.1992
17.	Ranaajhali (South bank) of Rushikulya River on Purusottam road - Jagannathpur	Orissa Gazette dated 21.02.1992

APPENDIX – XXVI

Details of Joint Verification of Boundary and Prescription for Annual Maintenance of Boundary Line

RANGE: **ASKA**

YEAR		YEAR		YEAR		YEAR		YEAR	
2014-15 &	2019-20	2015-16 &	2020-21	2016-17 &	2021-22	2017-18 &	2022-23	2018-19 &	2023-24
Forest Block	Boundary Length (in Km.)	Forest Block	Boundary Length (in Km.)	Forest Block	Boundary Length (in Km.)	Forest Block	Boundary Length (in Km.)	Forest Block	Boundary Length (in Km.)
Gouduni RF	6.31	Ambadabana DPF	37.94	Pakidi DPF	21.58	Chemedi DPF	17.13	Badagada (C) DPF	64.80
Bhuin dimiripalli PRF	2.02	Gadagada DPF	12.31	Machakhai DPF	13.05	Badadanda DPF	1.98		
Badua PRF	5.68	Kansa DPF	5.45	Hatimunda DPF	5.05	Chapudia DPF	8.29		
Malijhar - I DPF	24.25					Rasibadi DPF	1.37		
Malijhar - II DPF	26.00					Suliaguda DPF	18.89		
						Kantakhhol DPF	10.39		
TOTAL:	64.26		55.70		39.68		58.05		64.80

RANGE: SORADA

YEAR		YEAR		YEAR		YEAR		YEAR	
2014-15 &	2019-20	2015-16 &	2020-21	2016-17 &	2021-22	2017-18 &	2022-23	2018-19 &	2023-24
Forest Block	Boundary Length (in Km.)	Forest Block	Boundary Length (in Km.)	Forest Block	Boundary Length (in Km.)	Forest Block	Boundary Length (in Km.)	Forest Block	Boundary Length (in Km.)
Pandakhol RF	40.00	Pandakhol RF	31.04	Pipalapanka RF	42.08	Bandhagochha RF	33.06	Hukuma RF	37.12
Dhepaguda RF	15.68	Dhaugam RF	34.88	Dabuki RF	15.04	Mundapita RF	29.06	Pankalgam RF	5.55
								Raipada RF	6.00
TOTAL:	55.68		65.92		57.12		62.12		48.67

RANGE: POLSARA

YEAR		YEAR		YEAR		YEAR		YEAR	
2014-15 &	2019-20	2015-16 &	2020-21	2016-17 &	2021-22	2017-18 &	2022-23	2018-19 &	2023-24
Forest Block	Boundary Length (in Km.)	Forest Block	Boundary Length (in Km.)	Forest Block	Boundary Length (in Km.)	Forest Block	Boundary Length (in Km.)	Forest Block	Boundary Length (in Km.)
P. Daburia PRF	31.81	Jokalundi PRF	15.27	Pandirpada DPF	50.00	Pandirpada DPF	50.00	Bhalukhai DPF	2.37
Khaladimal PRF	31.13	Pandirpada DPF	41.63					Sodaka (A) DPF	13.49
								Sodaka (B) DPF	10.94
								Kakudia DPF	4.85
								Paikajamuna DPF	10.78
TOTAL:	62.94		56.90		50.00		50.00		42.43

RANGE: BADAGADA

YEAR		YEAR		YEAR		YEAR		YEAR	
2014-15 &	2019-20	2015-16 &	2020-21	2016-17 &	2021-22	2017-18 &	2022-23	2018-19 &	2023-24
Forest Block	Boundary Length (in Km.)	Forest Block	Boundary Length (in Km.)	Forest Block	Boundary Length (in Km.)	Forest Block	Boundary Length (in Km.)	Forest Block	Boundary Length (in Km.)
Raipada RF	23.12	Badagada (B) DPF	21.03	Badagada (B) DPF	20.00	Merikote UDPF	27.00	Merikote UDPF	22.00
Srirampalli PRF	13.18	Badagada (A) UDPF	20.00	Badagada (A) UDPF	20.00	Badagada (A) UDPF	19.32	Gaudagotha UDPF	30
Mahisikhata UDPF	10.00								
TOTAL:	46.3		41.03		40.00		46.32		52.00

RANGE: BUGUDA

YEAR		YEAR		YEAR		YEAR		YEAR	
2014-15 &	2019-20	2015-16 &	2020-21	2016-17 &	2021-22	2017-18 &	2022-23	2018-19 &	2023-24
Forest Block	Boundary Length (in Km.)	Forest Block	Boundary Length (in Km.)	Forest Block	Boundary Length (in Km.)	Forest Block	Boundary Length (in Km.)	Forest Block	Boundary Length (in Km.)
Budurungu RF	21.12	Karchuli (A) RF	34.08	Kriamba RF	67.84	Tangarai RF	17.92	Nageri RF	12.32
Chamunda RF	10.08	Kumarsuni V. RF	19.68			Panchbhuti (C) RF	4.75	Solundi RF	15.28
Kadapada RF	16.72	Binodia RF	6.32			Panchbhuti (A) RF	43.68	Sandhasulia RF	18.08
Karchuli (B) RF	7.84							Jhollery DPF	11.23
TOTAL:	55.76		60.08		67.84		66.35		56.91