

GOVERNMENT OF ODISHA

FOREST , ENVIRONMENT & CLIMATE CHANGE DEPARTMENT



Name of the Work : Const. of Forest Guard Quarter of Samantiapalli Beat

Name of the Scheme : CAMPA (APO) -2024-25

Estimated Cost : Rs.15,03,990/-

Name of the Beat : Samantiapalli

Name of the Section : Samantiapalli

Name of the Range : Samantiapalli

Name of the Division : Berhampur

Manoj Kumar Halder
Asst Conservator of Forest
W.C. Samantiapalli Range

Lead Statement of Materials (Schedule of rates 2022)

Sl. No	Items	Location	Unit	Basic Cost of materials post GST	Distance in K.M	Initial lead upto 5 Km in Rs	Extra lead upto 50 Km	Extra lead beyond 50 Km	Conveyance (7+8+9)	Royalty	Conveyance + Royalty	Total
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Fly ash bricks (23 cmx11cmx8cm)	Local	Nos	4554.88	5	691.28	0.00	0.00	691.28	0.00	691.28	5246.16
2	Filling Sand	Local	cum	62.86	5	276.01	0.00	0.00	276.01	35.00	311.01	373.87
3	Sand for Mortar	Local	cum	66.23	5	276.01	0.00	0.00	276.01	35.00	311.01	377.24
4	French Polish	Local	lit	172.90	5	0.25	0.00	0.00	0.25	0.00	0.25	173.15
5	Stone Boulder 15 cm & above granite stone	Local	cum	195.42	5	276.01	0.00	0.00	276.01	130.00	406.01	601.43
6	40 mm CB Metal	Local	cum	995.25	5	276.01	0.00	0.00	276.01	130.00	406.01	1401.26
7	20 mm CB Chips	Local	cum	1382.29	5	276.01	0.00	0.00	276.01	130.00	406.01	1788.30
8	12 mm CB Chips	Local	cum	1396.62	5	276.01	0.00	0.00	276.01	130.00	406.01	1802.63
9	10 mm CB Chips	Local	cum	1407.77	5	276.01	0.00	0.00	276.01	130.00	406.01	1813.78
10	6.7 mm CB Chips	Local	cum	880.00	5	276.01	0.00	0.00	276.01	130.00	406.01	1286.01
11	4.7 mm CB Chips	Local	cum	813.91	5	276.01	0.00	0.00	276.01	130.00	406.01	1219.92
12	Cement -43 grade	Local	Quintel	767.33	5	24.79	0.00	0.00	24.79	0.00	24.79	792.12
13	HYSD Steel	Local	Tone	76403.97	5	247.87	0.00	0.00	247.87	0.00	247.87	76651.84
14	Binding Wire	Local	Kg	90.10	5	0.25	0.00	0.00	0.25	0.00	0.25	90.35
15	75-120 mm dia Sal bullah x5.5 long	Local	Rmt	51.87	5	0	0.00	0.00	0.00	0.00	0	51.87
16	150-200 mm dia Sal bullah x5.5 long	Local	Rmt	124.26	5	0	0.00	0.00	0.00	0.00	0	124.26
17	75 mm dia Non Sal bullah	Local	Rmt	30.81	5	0	0.00	0.00	0.00	0.00	0	30.81
18	100 mm dia Non Sal bullah	Local	Rmt	41.81	5	0	0.00	0.00	0.00	0.00	0	41.81
19	125 mm dia Non Sal bullah	Local	Rmt	41.81	5	0	0.00	0.00	0.00	0.00	0	41.81
20	150-200 mm dia Non Sal bullah	Local	Rmt	67.82	5	0	0.00	0.00	0.00	0.00	0	67.82
21	Seasoned SalWood beam of CS area not less than 150 Sq.cm & least lateral dimension 100 mm & above 2.75 m. long	Local	cum	65533.50	5	198.3	0.00	0.00	198.30	0.00	198.3	65731.80
22	Non Sal Wood Scantling & plants (Tentra, Kasi,Gambhari,Kuruma)	Local	cum	58374.79	5	198.3	0.00	0.00	198.30	0.00	198.3	58573.09
23	Non Sal reapers	Local	cum	13268.45	5	198.3	0.00	0.00	198.30	0.00	198.30	13466.75
24	Ceramic wall tiles (20 cmx30 cm)/(20 cmx 20cm) plain/printed having thickness 6.5mm to 6.7 mm	Local	Sqm.	405.20	5	9.6	0.00	0.00	9.60	0.00	9.60	414.80
25	Ceramic floor tiles (30 cmx30 cm)/(40 cmx 40cm) plain/printed having thickness 7 mm to 8 mm	Local	Sqm.	450.08	5	9.6	0.00	0.00	9.60	0.00	9.6	459.68
26	Vertified polished floor tile 600mmx600mm plain (ivory) having thickness 8mm to 10 mm	Local	Sqm.	651.08	5	9.6	0.00	0.00	9.60	0.00	9.6	660.68
27	Vertified polished floor tile 600mmx600mm colour/printed having thickness 8mm to 10 mm	Local	Sqm.	695.76	5	9.6	0.00	0.00	9.60	0.00	9.6	705.36

28	Wood Primer	Local	ltr	155.08	5	0.25	0.00	0.00	0.25	0.00	0.25	0.25	155.33
29	Wall Primer (oil bound)	Local	ltr	125.50	5	0.25	0.00	0.00	0.25	0.00	0.25	0.25	125.75
30	Wall Primer (water bound)	Local	ltr	159.03	5	0.25	0.00	0.00	0.25	0.00	0.25	0.25	159.28
31	Weather coat	Local	ltr	194.79	5	0.25	0.00	0.00	0.25	0.00	0.25	0.25	195.04
32	Plaster of paris	Local	Kg	17.23	5	0.25	0.00	0.00	0.25	0.00	0.25	0.25	17.48
33	Enamel paint	Local	ltr	205.34	5	0.25	0.00	0.00	0.25	0.00	0.25	0.25	205.59
34	Distemper	Local	Kg	70.10	5	0.25	0.00	0.00	0.25	0.00	0.25	0.25	70.35
35	Cement paint	Local	Kg	47.83	5	0.25	0.00	0.00	0.25	0.00	0.25	0.25	48.08
36	Redoxide Primer	Local	ltr	142.70	5	0.25	0.00	0.00	0.25	0.00	0.25	0.25	142.95
37	Black Glass-5mm	Local	Sqm.	705.01	5	0	0.00	0.00	0.00	0.00	0.00	0.00	705.01
38	Aluminum extruded section	Local	Kg	297.97	5	0.25	0.00	0.00	0.25	0.00	0.25	0.25	298.22
39	M.S angle/sheet	Local	Tone	76403.97	5	247.87	0.00	0.00	247.87	0.00	247.87	0.00	76651.84

Rate of Labour wages

1	Male mulia	452.00
2	Female mulia	452.00
3	Semi-skilled mulia	502.00
4	Helper to carpenter, blacksmith, painter	502.00
5	Rod binder and bender	502.00
6	Thatcher or Gharami	502.00
7	Tile turner or tile layer	502.00
8	Well sinker (Open well)	502.00
9	Stone packer	502.00
10	Mason second class	552.00
11	Blacksmith second class	552.00
12	Carpenter second class	552.00
13	Painter (2nd class)	552.00
14	Mason (Special)	602.00
15	Blacksmith (Special)	602.00
16	Carpenter (Special)	602.00
17	Painter (Special)	602.00

Certified that the leads provided above are correct and minimum to the best of my knowledge.


FORESTER

:AMANTIA'ALLI SECTION


Manoj Kumar
Asst. Conservator of Forest

I/C Samantiapalli Range
Asst Conservator of Forest
I/c. Samantiapalli Range


Assistant-Executive Engineer
(R & B) Sub-Division
CHATRAPUR

DETAILED ABSTRACT OF ESTIMATE

Construction of Forest Guard Quater at Samantiapalli Beat

Sl. No.	Description of Work	Quantity	Unit	Rate in Rs	Amount In Rs
1	Earthwork in excavation of foundation in hard soil and clearing the excavated materials with in 50m and 1.5 initial lift.	49.582	cum	201.60	9995.62
2	Providing and laying sand in foundation & plinth with sand well watered and rammed including Cost, conveyance, & royalties etc complete	41.635	cum	499.14	20781.58
3	Cement Concrete Proportion (1:4:8) in foundation and floors using with 40 mm hard broken granite metal including hoisting , lowering and laying in layers not exceedind 15 cm thick to the required level , ramming watering and curing etc complete including all cost , conveyance, taxes and royalties of all materials complete.	14.289	cum	5511.03	78745.84
4	R.C.C.work of M-20 grade with cement concrete prooportation (1:1.5:3) and 20 mm down grade hard broken granite(crusher broken) chips for RCC works including hoisting laying with all cost, conveyance, and royalty of all materials complete.	23.531	cum	6493.87	152805.14
5	Supplying , fitting and placing uncoated HYSD bars reinforcement complete as per drawing and technical specification	21.946	Qntl	10074.38	221093.76
6 (i)	Rigid smooth Centering & Shuttering in RCC work & dismantalled the same after casting etc. Complete (I)RCC foundation,plinth band,footings,base of columns mass concrete	65.652	sqm	247.19	16228.43
(ii)	Rigid smooth Centering & Shuttering RCC Lintel band	14.217	sqm	569.57	8097.77
(iii)	Rigid smooth Centering & Shuttering R.C.C floor and roof slab, landing, balconies, projecting sunshadesand chajjas	90.518	sqm	754.02	68252.71
(iv)	Rigid smooth Centering & Shuttering RCC beams,Column,grider and bressmer	47.029	sqm	1185.52	55754.36
7	First class K.B brick masonry in C.M.(1.6) in foundation & plinth / superstructuer including cost, conveyance , and royalty of all materials complete.	36.535	cum	5642.95	206164.14
8	16 mm thick cement plastering (1:6) over brick and rcc work of wall including cost,conveyance, royalty etc. complete.	269.14	sqm	265.19	71371.89
9	12 mm thick Cement plastering (1:6) over brick wall including cost , conveyance, royalty etc. complete.	121.98	sqm	181.54	22143.54
10	Suppling ,fitting and fixing of MS Grill madeout of M.S angle at the periphery & M.S Sq bar in the inner design with hold fast made out of M.S Angle windows including cost of Screws with cost of Conveyance, Taxes of all mataterials,labour,T&P etc Complete with all request	151.25	Kg	183.19	27706.65
11	Dressed, seasoned sal wood work framed and fixed (wrought and put up) in trusses, purlins, frames of doors.	0.1869	cum	98081.75	18330.61
12	32mm piasal wood or local Teak wood panelled shutters moulded panels with all labour, iron fittings, and wooden hinged cleats etc fitted and fixed complete in all respect. But excluding the cost of iron fittings and Teak wood planks	7.984	sqm	2052.83	16389.51
13	Priming one coat with approved wood primer on new work of wood	8.6214	sqm	79.25	683.22

14	Priming(Red oxide) one coat with approved primer on new work M.S.Grills and shutter doors and windows	8.18	sqm	74.69	610.61
15	Painting two coats synthetic enamel paint with including material approved quality of paint on new work of M.S.Grills and shutter doors and windows	8.18	sqm	185.69	1518.09
16	Painting two coats french polish including material of approved quality of polish on new wood work of Doors & Windows etc complete	7.98	sqm	180.94	1444.63
17	Supply, fitting, fixing up window (sliding type) made up aluminum section No-151-154, 151-155, as window frame section No- 151-155, 151-153 and 151-167 as shutter frame with 5 mm thin including glass as pannel fitted with rubber beading including locking arrangement including all fitting	8.1755	sqm	7747.75	63341.55
18	Fixing tiles in floors treads or steps & landing on 25 mm thick bed of cement mortar 1:1 joined with neat cement slury mixed with pigment to match the shades of the tiles etc. complete (Ceramic Vetrified tile of 60 cm × 60 cm size)with wall rise 0.25 ft with same material	44.017	sqm	1732.96	76279.60
19	Fixing tiles in dados & rises of steps on 12mm thick cement plaster (1:3) jointed with neat cement slury mixed with pigments to match the shade of the tile (Ceramic wall tile of 20cm×20cm size) etc. complete.	18.623	sqm	1548.15	28831.69
20	Priming one coat with approved primer over the plastered wall surface	310.47	sqm	81.25	25226.92
21	Distemping two coats to walls with distemper of approved shade on new work to given an even shade	191.18	sqm	89.22	17057.59
22	Providing two coats weather coat paint over a coat of wall cement primer including material approved quality of paint.	114.2	sqm	60.42	6900.12
23	Add cost of PVC Door (Toilet) L.S	1		4500	4500.00
24	Add for Electrification work of Concealed coper Wiring of approved quality with modular pannel, earthing and out door lighting makes as per plan etc. complete. On L.S				30000.00
25	Add for fitting and fixing Toilet (Latrin pan with exhust), Bath room fitting ,wash basin , kitchen Sink with PH work including Over Head PVC Tank and Construction of Septic tank with RCC plate cover on L.S				25000.00
Total					1275255.60
Add GST -18%					229546.01
Total					1504801.61
or say Grand Total					1503990.00

(Rupees Fifteen Lakh Three Thousand Nine hundred ninety) only


FORESTER
SAMANTIAPALLI SECTION


Manoj Kumar Hada
Asst. Conservator of Forest
I/C Samantiapalli Range
Asst. Conservator of Forest
Kg. Samantiapalli Range


Assistant Executive Engineer
(R & B) Sub-Division
CHATRAPUR

Analysis Rates

Sl. No	Description	Quantity	Unit	Rate in Rs	Amount in Rs
1	Earthwork in excavation of foundation in ordinary soil and clearing the excavated materials with in 50m and 1.5m initial lift including rough dressing , breaking clods and laying in layer and leveling bed etc complete				
	As per A/R, item-2(a),page-1				
	Mulia	32 nos @ Rs		452.00	14464.00
	Total				14464.00
	Add 20% extra towards excavation of foundation				2892.80
					17356.80
	Add 15% for O.H Charges and Contractors profit				2603.52
	Total			Rs	19960.32 / 100 Cum
				Rs	199.60 /cum
	Labour Cess 1%			Rs	2.00
	Total			Rs	201.60 /cum
2	Providing and laying sand in foundation & plinth with sand well watered and rammed including Cost, conveyance, & royalties etc.complete.				
	As per A/R, item-15,page-8				
	Data for 100 cum				
	Sand	100.00 Cum@ Rs		62.86	6286.00
	Mulia	12.36 nos @ Rs		452.00	5586.72
	Total				11872.72
	Carriage & royalty of sand	100.00 Cum@ Rs		311.01	31101.00
					Rs 42973.72 /100 cum
	Add 15% for O.H Charges and Contractors profit				Rs 6446.06
	Total				49419.78 /100 cum
					494.20 /cum
	Labour Cess 1%			Rs	4.94
	Total			Rs	499.14 /cum
3	Cement Concrete Proportion (1:4:8) in foundation and floors using with 40 mm hard broken granite metal including hoisting , lowering and laying in layers not exceedind 15 cm thick to the required level , ramming watering and curing etc complete including all cost , conveyance, taxes and royalties of all materials complete.				
	As per A/R, item-4,page-43				
	HG metal 40mm size	0.96 Cum@ Rs		995.25	955.44
	Sand	0.48 Cum@ Rs		66.23	31.79
	Cement	1.72 Qntl@ Rs		767.33	1319.81
	Mason 2nd Class	0.18 nos @ Rs		552.00	99.36
	Mulia	3.9 nos @ Rs		452.00	1762.80
	Total				4169.20
	Carriage & Royalty of metal	0.96 Cum@ Rs		406.01	389.77
	Carriage & Royalty of sand	0.48 Cum@ Rs		311.01	149.28
	Carriage of cement	1.72 Qntl@ Rs		24.79	42.64
					Total 4750.89
	Add 15% for O.H Charges and Contractors profit				Rs 712.63
	Labour Cess 1%				Rs 47.51
	Total			Rs	5511.03 /cum
4	R.R.H.G. Stone masonry in cement mortar (1:6) in foundation & plinth including cost, conveyance , and royalty of all materials complete.				
	As per A/R, item-3 ,page-75				
	Rough Stone grinte	1.00 Cum@ Rs		195.42	195.42
	Sand	0.34 Cum@ Rs		66.23	22.52
	Cement	0.8151 Qntl@ Rs		767.33	625.45
	Mason 1st class	0.35 nos @ Rs		602.00	210.70
	Mason 2nd class	1.41 nos @ Rs		552.00	778.32
	Mulia	3.17 nos @ Rs		452.00	1432.84
	Total				3265.25
	Carriage & royalty of stone	1.00 Cum@ Rs		406.01	406.01
	Carriage & royalty of sand	0.34 Cum@ Rs		311.01	105.74
	Carriage of cement	0.8151 Qntl@ Rs		24.79	20.21
	Total		/ cum	Rs	3797.21 / cum
	Add 15% for O.H Charges and Contractors profit				Rs 569.58
	Labour Cess 1%				Rs 37.97
	Rate per one Cum			Rs	4404.76 / cum

5 First class Flyash brick masonry in C.M.(1.6) in foundation & plinth / superstructure including cost, conveyance, and royalty of all materials complete.

As per A/R, item-3, page-71

Bricks(23cm*11cm*8cm) size	400 nos @ Rs	4.555	1821.95
sand	0.28 Cum@ Rs	66.23	18.54
Cement	0.672 Qntl@ Rs	767.33	515.65
mason 1st class	0.35 nos @ Rs	602.00	210.70
mason 2nd class	1.05 nos @ Rs	552.00	579.60
Mulia	2.96 nos @ Rs	452.00	1337.92
Total per one cum			4484.36
Carriage & royalty of sand	0.28 Cum@ Rs	311.01	87.08
Carriage of Cement	0.672 Qntl@ Rs	24.79	16.66
Carriage of bricks	400 nos (1 cum)@ Rs	0.69128	276.51
Total		Rs	4864.62
Add 15% for O.H Charges and Contractors profit		Rs	729.69
Labour Cess 1%		Rs	48.65
For foundation ,Plinth & Super strucre		Rs	5642.95 /cum

6 R.C.C.work of M-20 grade with cement concrete proportionation (1:1.5:3) and 20 mm down grade hard broken granite(crusher broken) chips for RCC works including hoisting laying with all cost, conveyance, and royalty of all materials complete.

As per A/R, item-4, page-50

Data for 15 Cum

Material

HG chips 20 mm size	8.10 Cum@ Rs	1382.29	11196.55
HG chips 10mm size	5.40 Cum@ Rs	1407.77	7601.96
Sand	6.75 Cum@ Rs	66.23	447.05
Cement	52.10 Qntl@ Rs	767.33	39977.89

Labour

Mate	0.86 nos @ Rs	502.00	431.72
Mason 2nd class	1.5 nos @ Rs	552.00	828.00
Man mulia	20 nos @ Rs	452.00	9040.00

Machinery

Concrete mixture	6 hour	229.55	1377.30
Generator 33 KVA	6 hour	700.00	4200.00
			75100.47

Conveyance & royalty

20 mm size chips	8.1 Cum@ Rs	406.01	3288.68
10 mm size chips	5.4 Cum@ Rs	406.01	2192.45
Sand	6.75 Cum@ Rs	311.01	2099.32
cement	52.1 Qntl@ Rs	24.79	1291.56
Total	per 15 cum	Rs	83972.48
	Per 1 cum	Rs	5598.17 /cum

Add 15% for O.H Charges and

Contractors profit	Rs	839.72
Labour Cess 1%	Rs	55.98

Rate for Ground Floor

Rs **6493.87 /cum**

7 Supplying ,cutting, binding and placing uncoated HYSD bars reinforcement complete as per drawing and technical specification including cost of bars and binding wire etc. Complete

As per A/R, item-9, page-52

Data for 1.0 MT

A) Material cost

HYSD bar including 5% overlap and wastage	1.05 MT	76403.97	80224.17
Binding wire	8.00 Kg	90.10	720.80

B) Labour

Mate	0.44 nos @ Rs	502.00	220.88
Black smith Spl	3 nos @ Rs	602.00	1806.00
Mulia	8 nos @ Rs	452.00	3616.00
carriage of Steel	1.05 MT @Rs	247.87	260.26
Total			86848.11 / MT

Add 15% for O.H Charges and

Contractors profit	Rs	13027.22
Labour Cess 1%	Rs	868.48

Rate for Ground floor

Total 100743.81 / MT

Rs **10074.38 /Qntl**

8 Rigid smooth centering & shuttering for RCC works including false work and dismantling them after casting including cost of all materials

As per A/R, item-10, page-53

(i) For RCC foundation, plinth band, footings, base of columns mass concrete

25 mm thick non-sal planks 10 sqm for 0.267 cum	0.267	cum @ Rs	58374.79	15586.07
Non - sal bullah 80 mm dia. for suttering	12.60	m @ Rs	30.81	388.21
Convey of wood	0.3284	cum @ Rs	198.30	65.12
Total				16039.40

Considering the materials to be used for 10 times

For once use				1603.94
Carpenter(2nd class)	0.50	nos @ Rs	552.00	276.00
S.S Mulia	0.50	nos @ Rs	502.00	251.00
Total				2130.94
For 10 Sqm				213.09
For one Sqm				213.09
Total			Rs	213.09 sqm

Add 15% for O.H Charges and Contractors profit
Labour Cess 1%

Rs	31.96
Rs	2.13

Ground floor Rate per one sqm

Rs	247.19 sqm
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(ii) For RCC Lintel band Details for 7.8 sqm.

38 mm thick non-sal planks 10.87 sqm for 0.413 cum	0.413	cum @ Rs	58374.79	24108.79
120 mm dia Non-Sal bullah	21.00	mt @ Rs	41.81	878.01
Carriage of wood	0.689	cum @ Rs	198.30	136.63
Total				25123.43

Considering the materials to be used for 10 times

For once use	25123.43	/10		2512.34
Carpenter 2nd class	1.25	nos @ Rs	552.00	690.00
SS Mulia	1.25	nos @ Rs	502.00	627.50
Total				3829.84
Total for 7.80 sqm				3829.84
Total				491.01 /sqm

Add 15% for O.H Charges and Contractors profit
Labour Cess 1%

Rs	73.65
Rs	4.91 /sqm

Ground floor Rate per one sqm

Rs	569.57 /sqm
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(iii) For R.C.C floor and roof slab, landing, balconies, projecting sunshades and chajjas upto 4.3m height Details for 9 sqm.

Non- sal Wood scanting Plank 38 mm	0.112	cum @ Rs	58374.79	6537.98
120 mm dia -Sal bullah	0.34	cum @ Rs	58374.79	19847.43
Carriage of wood	56.00	m @ Rs	51.87	2904.72
	1.142	cum @ Rs	198.30	226.46
Total				29516.58

Considering the materials to be used for 10 times

For once use	29516.58	/10		2951.66
Carpenter 2nd class	2.75	nos @ Rs	552.00	1518.00
SS Mulia	2.75	nos @ Rs	502.00	1380.50
Total				5850.16
Total / 9 sqm				650.02
				650.02 /sqm

Add 15% for O.H Charges and Contractors profit
Labour Cess 1%

Rs	97.50
Rs	6.50

Ground floor Rate per one sqm

Rs	754.02 /sqm
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(iv) For RCC beams, Column, grider and bressmer, etc Data for 4.20 sqm.

38 mm thick non-sal planks 5.73 sqm or 0.218 cum	0.218	cum @ Rs	58374.79	12725.70
120 mm dia Sal bullah	15.20	m @ Rs	51.87	788.42
80 mm dia non-sal bullah for brassing				
	8.00	m @ Rs	41.81	334.48
Carriage of wood	0.456	cum @ Rs	198.30	90.42
				<u>13939.03</u>
Considering the materials to be used for 10 times				
For once use	13939.03 /10			1393.90
Carpenter 2nd class	2.75	nos @ Rs	552.00	1518.00
S.S Mulia	2.75	nos @ Rs	502.00	1380.50
Total / 4.2 sqm			Total	4292.40
Total / sqm				1022.00
				1022.00 /sqm

Add 15% for O.H Charges and Contractors profit			Rs	153.30
Labour Cess 1%			Rs	10.22
Ground floor Rate per one sqm			Rs	1185.52 /sqm

C.C.(1:2:4) with 12 mm hard broken granite chips for CC works including cost, conveyance and
9 royalty of all materials complete.

As per A/R, item-7 ,page-44

HG chips 12 mm size	0.9	cum @	Rs	1396.62	1256.96
Sand	0.45	cum @	Rs	66.23	29.80
Cement	3.23	qntl @ Rs		767.33	2478.48
Mason 2nd class	0.68	nos @Rs		552.00	375.36
Man Mulia	4.6	nos @Rs		452.00	2079.20
Total			Rs		6219.80
Carriage & royalty of chips	0.9	cum @	Rs	406.01	365.41
Carriage & royalty of sand	0.45	cum @	Rs	311.01	139.95
Carriage of cement	3.23	qntl @ Rs		24.79	80.07

Total		per cum	Rs	6805.23 / cum
Add 15% for O.H Charges and Contractors profit			Rs	1020.78
Labour Cess 1%			Rs	68.05
Ground floor Rate per one cum			Rs	7894.07 /cum

10 2.5 cm thick grading with c.c (1:2:2) including grading using 4.7 mm hard broken granite chips
on new work

HG chips 4.7 mm size	0.0169	Cum@ Rs	813.91	13.76
Sand	0.0169	Cum@ Rs	66.23	1.12
Cement	0.1208	Qntl@ Rs	767.33	92.69
Mason 1stclass	0.10	nos @ Rs	602.00	60.20
Mulia	0.36	nos @ Rs	452.00	162.72
Total				330.49
Carriage & royalty of chips	0.0169	Cum@ Rs	406.01	6.86
Carriage & royalty of sand	0.0169	Cum@ Rs	311.01	5.26
Carriage of cement	0.1208	Qntl@ Rs	24.79	2.99

Rate for Ground floor		Total	Rs	345.60 /sqm
Add 15% for O.H Charges and Contractors profit			Rs	51.84
Labour Cess 1%			Rs	3.46
Ground floor Rate per one sqm			Rs	400.90 /sqm

11 12 mm thick cement plastering (1:6) for brick work including cost, conveyance, royalty etc. complete.

As per A/R, item-4, page-103

Sand	0.015 Cum@ Rs	66.23	0.99
Cement	0.0358 Qntl@ Rs	767.33	27.47
Mason 2nd class	0.14 nos @ Rs	552.00	77.28
Mulia	0.1 nos @ Rs	452.00	45.20
Total			150.94
Carriage & royalty of sand	0.015 Cum@ Rs	311.01	4.67
Carriage of cement	0.0358 Qntl@ Rs	24.79	0.89
			156.50
Total	Rs		156.50 /sqm
Add 15% for O.H Charges and Contractors profit		Rs	23.47
Labour Cess 1%		Rs	1.56
Ground floor Rate per one sqm		Rs	181.54 /sqm

12 16 mm thick cement plastering (1:6) over brick or stone wall including cost, conveyance, royalty etc. complete.

As per A/R, item-14, page-105

Sand	0.018 Cum@ Rs	66.23	1.19
Cement	0.043 Qntl@ Rs	767.33	33.00
Mason 2nd class	0.16 nos @ Rs	552.00	88.32
Mulia	0.22 nos @ Rs	452.00	99.44
Total		Rs	221.95
Carriage & royalty of sand	0.018 Cum@ Rs	311.01	5.60
Carriage of cement	0.043 Qntl@ Rs	24.79	1.07
Total		Rs	228.61
Total	Rs		228.61 /sqm
Add 15% for O.H Charges and Contractors profit		Rs	34.29
Labour Cess 1%		Rs	2.29
Ground floor Rate per one sqm		Rs	265.19 /sqm

13 Suppling ,fitting and fixing of MS Grill madeout of M.S angle at the periphery & M.S Sq bar in the inner design with hold fast made out of M.S Angle windows including cost of Screws with cost of Conveyance, Taxes of all mataterials,labour,T&P etc Complete with all request

As per A/R, item- 4, page- 225

For 1 qntl.

Data for 0.508 qntl.

Labour

Black Smith(Special)	0.75 nos @ Rs	602.00	451.5
Black Smith(Second class)	1.00 nos @ Rs	552.00	552.00
Fitter(Special)	1.00 nos @ Rs	602.00	602.00
Fitter(Second class)	1.00 nos @ Rs	552.00	552.00
Helper to Blacksmith	1.00 nos @ Rs	502.00	502.00
Man mulia	3.25 nos @ Rs	452.00	1469.00
Total	Rs		4128.50
	Rs		4128.50

Rate per qntl. labour(M.S Angle/ sheet)

Rs 8126.97 /qntl

Rate per Kg.(Labour)

Rs 81.27 /Kg.

Cost of M.S Angle/ sheet(with Transportation ,Loading & unloading)

Rs 76.65 /Kg.

Total Rs 157.92 /Kg.

Add 15% for O.H Charges and

Contractors profit

Rs 23.69

Labour Cess 1%

Rs 1.58

Ground floorRate per Kg

Rs 183.19 /Kg

14 Distempering two coats to walls with distemper of approved shade on new work to given an even shade including cost of distemper

As per A/R, item-22, page- 99

Data for 10 sqm

cost of Distemper	2.5 Kg @Rs	70.35	175.88
Painter (special)	0.52 nos @ Rs	602.00	313.04
Mulia	0.62 nos @ Rs	452.00	280.24
Total		Rs	769.16

Per one sqm

769.16 /10sqm

76.92 /sqm

Rs 76.92 / sqm.

Rate per one sqm

Add 15% for O.H Charges and

Contractors profit

Rs 11.54

Labour Cess 1%

Rs 0.77

Ground floor Rate per one sqm

Rs 89.22 /sqm

15 Priming one coat with approved primer on new work of wood Data for 9.30 sqm

As per A/R, item-1, page-93

Painter special	0.5 nos @ Rs	602.00	301.00
Mulia	0.5 nos @ Rs	452.00	226.00
			0.00
Sundries, brushes, soap & putties 2%			527.00
Cost Primer	0.698 Ltr @ Rs	155.33	108.34
	Total	Rs	635.34 /sqm
Rate per one sqm		Rs	68.32 /sqm
Add 15% for O.H Charges and Contractors profit		Rs	10.25
Labour Cess 1%		Rs	0.68
Ground floor Rate per one sqm		Rs	79.25 /sqm

16 Priming(Red oxide) one coat with approved primer on new work Data for 9.30 sqm

As per A/R, item-1, page-93

Painter special	0.5 nos @ Rs	602.00	301.00
Mulia	0.5 nos @ Rs	452.00	226.00
			527.00
Cost Red oxide	0.502 Ltr @ Rs	142.95	71.79
	Rate/9.30 sqm.	Rs	598.79
	Rate per one	Rs	64.39 /sqm
Add 15% for O.H Charges and Contractors profit		Rs	9.66
Labour Cess 1%		Rs	0.64
Ground floor Rate per one sqm		Rs	74.69 /sqm

17 Painting two coats synthetic enamel paint with including material approved quality of paint on new work of iron Data for 9.30 sqm.

As per A/R, item-3, page-93

Painter special	1.25 nos @ Rs	602.00	752.50
Mulia	1.1 nos @ Rs	452.00	497.20
	Say		1249.70
	For one sqm		134.38
Cost of Material for 9.3 sqm			
Enamel paint for two coats	1.1625 Ltr @ Rs	205.59	239.00
	Total/sqm	Rs	25.70
Rate per one sqm((Material + Labour)	Total/ Sqm	Rs	160.08 / sqm
	Total		160.08 / sqm
Add 15% for O.H Charges and Contractors profit		Rs	24.01
Labour Cess 1%		Rs	1.60
Ground floor Rate per one sqm		Rs	185.69 /sqm

18 Painting two coats french polish including material of approved quality of polish on new wood work of Doors & Windows Data for 9.30 sqm.

As per A/R, item-3, page-93

Painter special	1.25 nos @ Rs	602.00	752.50
Mulia	1.1 nos @ Rs	452.00	497.20
	Say		1249.70
	For one sqm		134.38
Cost of Material for 9.3 sqm			
Enamel paint for two coats	1.1625 Ltr @ Rs	172.9	201.00
	Total/sqm	Rs	21.61
Rate per one sqm((Material + Labour)	Total/ Sqm	Rs	155.99 / sqm
2% Sundries, brushes, putty etc. (Lab)		Rs	0.00
	Total		155.99 / sqm
Add 15% for O.H Charges and Contractors profit		Rs	23.40
Labour Cess 1%		Rs	1.56
Ground floor Rate per one sqm		Rs	180.94 /sqm

19 Providing two coats weather coat paint over a coat of wall cement primer including material approved quality of paint.

A) Primer one coat (Data for 9.30 sqm)

As per A/R, item-1, page-93

Painter special	0.5 nos @ Rs	602.00	301.00
Mulia	0.5 nos @ Rs	452.00	226.00
			0.00
Sundries, brushes, soap & putties 2%			527.00
Cost wall Primer (water bound)	0.781 Ltr @ Rs	159.28	124.43
	Rate per 9.3 Sqm	Rs	651.43 /sqm
Rate per one sqm	Total (A)	Rs	70.05 /sqm
Add 15% for O.H Charges and Contractors profit		Rs	10.51
Labour Cess 1%		Rs	0.70
Ground floor Rate per one sqm		Rs	81.25 /sqm

B) Paintingn two coat (Data for 10.0 sqm)

As per A/R, item-18 ,page-98

Painter special	0.22 nos @ Rs	602.00	132.44
Mulia	0.32 nos @ Rs	452.00	144.64
Sundries, brushes, soap & putties 2%			0.00
			<u>277.08</u>
Cost of Material for 10 sqm			
weather coat Paint for two coats	1.25 Ltr @ Rs	195.04	243.80
	Total/10 sqm	Rs	<u>520.88</u>
Rate per one sqm((Meterial + Labour)	Total/ Sqm	Rs	52.09 / sqm
	Total (B)		52.09 / sqm
Add 15% for O.H Charges and Contractors profit		Rs	7.81
Labour Cess 1%		Rs	0.52
Ground floor Rate per one sqm		Rs	60.42 /sqm
Rate for Ground Floor	G.Total (A+B)		141.68 /sqm

20 Dressed, seasoned sal wood work framed and fixed (wrought and put up) in trusses, purlins, frames of doors, windows, ventilators and beam.

As per A/R, item-2 ,page-132

Data for 0.028 cum

sal wood scantling sawn	0.028 Cum@ Rs	65731.80	1840.49
carpenter special	0.5 nos @ Rs	602.00	301.00
Man Mulia	0.5 nos @ Rs	452.00	226.00
	for 0.028 Cum	Rs	2367.49
	for 1 Cum	Rs	84553.23
Rate for Ground Floor	Total	Rs	84553.23 / Cum
Add 15% for O.H Charges and Contractors profit		Rs	12682.98
Labour Cess 1%		Rs	845.53
Ground floor Rate per one cum		Rs	98081.75 /cum

21 32mm piasal wood or local Teak wood panelled shutters moulded panels with all labour, iron fittings, and wooden hinged cleats etc fitted and fixed complete in all respect. But excluding the cost of iron fittings

Per 1Sqm

Data for a doors 1.07m x 2.13m

a) Material

Area of shutters 0.94 x 2.0m = 1.88sqm

i)Piasal wood planks for shutters 2.08 sqm or 0.06656 Cum

2.08 sqm or 0.06656 Cum Supplied by Department

ii)Wooden hinged cleats	2 nos @ Rs	57.5	115.00
b) Labour			
Labour for making shutters			
(I) Carpenter Special 2 Nos	2 nos @ Rs	602.00	1204.00
(ii) Helper 2 Nos.	2 nos @ Rs	502.00	1004.00
Labour for fixing shutters			
Carpenter 2nd class	1 nos @ Rs	552.00	552.00
Man mulia	1 nos @ Rs	452.00	452.00
		Rs	3327.00
Add 15% for O.H Charges and Contractors profit		Rs	499.05
Labour Cess 1%		Rs	33.27
		Rs	3859.32 / 1.88 sqm
Ground floor Rate per one sqm		Rs	2052.83 /sqm

22 Fixing tiles in floors treads or steps & landing on 25 mm thick bed of cement mortar 1:1 joined with neat cement slurry mixed with pigment to match the shades of the tiles etc. complete (Plain

Vetrified tile of 60 cm x 60 cm size)

As per A/R, item- 16, page- 89

Detailed for 10 sqm

7mm to 8mm thick vitrified

floor tiles (60 x60)cm size

floor tiles (60 x60)cm size	10 sqm @ Rs	660.68	6606.80
Sand	0.13 Cum@ Rs	66.23	8.61
Cement	1.875 Qntl@ Rs	767.33	1438.74
Cement for slurry st the rate of 4.4 Kg/ sqm	0.44 Qntl@ Rs	767.33	337.63
Cement for grouting	0.44 Qntl@ Rs	767.33	337.63
Mason spl class	2.16 nos @ Rs	602.00	1300.32
SS mulia or rubbing mulia	5.50 nos @ Rs	502.00	2761.00
Mulia	2.16 nos @ Rs	452.00	976.32
Total per 10 sqm			13767.04

Rate per one sqmt		Total	1376.70 /sqm
Carriage & royalty of sand	0.13 Cum@ Rs	311.01	40.43
Carriage of cement	2.755 Qntl@ Rs	24.79	68.30
Total	/sqm	Rs	1485.43 /sqm
Wax polishing			8.50 /sqm
Rate per sqm		Rs	1493.93 /sqm

Add 15% for O.H Charges and Contractors profit

Labour Cess 1%

		Rs	224.09
		Rs	14.94
Ground floor Rate per one sqm		Rs	1732.96 /sqm

23 Fixing tiles in dados & rises of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the tile (Ceramic wall tile of 20cm×20cm size) etc. complete.

As per A/R, item- 17, page- 90

6.5mm to 6.7 mm Ceramic tiles(20×20)cm

	10 sqm @ Rs	414.80	4148.00
Sand	0.15 Cum@ Rs	66.23	9.93
Cement	0.715 Qntl@ Rs	767.33	548.64
Cement slury 4.40Kg/sqmt	0.66 Qntl@ Rs	767.33	506.44
Mason spl	3.25 each @ Rs	602.00	1956.50
Mulia	3.25 each @ Rs	452.00	1469.00
Semi- skilled mulia for rubbing	7.6 each @ Rs	502.00	3815.20
Total	per 10 sqm	Rs	12453.71
Rate per one sqmt		Total	1245.37 /sqm
Carriage & royalty of sand	0.15 Cum@ Rs	311.01	46.65
carriage of cement	1.375 Qntl@ Rs	24.79	34.09
		Rs	1326.11 /sqm
Wax ploishing			8.50 /sqm
Rate per sqm		Rs	1334.61 /sqm
Add 15% for O.H Charges and Contractors profit		Rs	200.19
Labour Cess 1%		Rs	13.35
Ground floor Rate per one sqm		Rs	1548.15 /sqm

24 Supply, fitting, fixing up Window (sliding type) made up aluminum section No-151-154, 151-155, as window frame section No- 151-155, 151-153 and 151-167 as shutter frame with 5 mm thincludingck glass as pannel fitted with rubber beading including locking arrangement including all fitting including cost of materiala all taxes, labour etc. completed.

As per A/R, item-7, page-240

Data for 4'-0" X 4'-0" =16sqft or, 1.49 sqm

(a) Materials

Aluminum Sec. No- 151-154	2.44 mt@ 0.875 kg/m = 2.13 Kg
Top & Bottam Sec. No- 151-155	2.44 mt@ 0.765 kg/m = 1.87 Kg
Inter Lock Sec No - 151-153	2.44 mt@ 0.492 kg/m = 1.20 Kg
Aluminum Sec. No- 151-152	2.44 mt@ 0.465kg/m = 1.13 Kg
H- Section No- 151-167	2.44 mt@ 0.587 kg/m = 1.43 Kg
	Total = 7.76 Kg
	Westage 10% = 0.77 kg

Aluminum section	8.53 Kg @	Rs	298.22	2543.82
PVC plug	8 no.s @ RS		2.00	16.00
Al. screws of different size	LS			40.00
U rubber beading	9.75 mt @ Rs		8.00	78.00
5 mm thick black glass	1.493 sqm			
westage 10%	0.15 sqm			
	1.64 sqm @ Rs		705.01	1156.22
Al. wheel runner	8 no. @ Rs		25.00	200.00
Handle with lock	2 no. @ Rs		50.00	100.00
Hire charges of drills machine	1 day @ Rs		200.00	200.00
(b) Labour				
Carpenter 1st class	5.33 no		602.00	3208.66
Mulia	5.33 no		452.00	2409.16
	Rate /1.49 sqm			9951.85
	Rate /sqm			6679.10 /Sqm
Add 15% for O.H Charges and Contractors profit		Rs	1001.86	
Labour Cess 1%		Rs	66.79	
Ground floor Rate per one sqm		Rs	7747.75 /sqm	


FORESTER
SAMANTIPALLI SECTION


Manoj Kumar Hazra
Asst. Conservator of Forest
I/C Samantiapalli Range
Asst Conservator of Forest
I/c. Samantiapalli Range


Assistant Executive Engineer
(R & B) Sub-Division
CHATRAPUR

Detailed item wise Estimate for Construction of Forest Guard Quater at Samantiapalli Beat of Samantiapalli Range

CIVIL WORKS OF THE BUILDING Ground Floor			Quantity of work volume/Area/Wt.					
Sl. No	Description of Item	No.	Length (in ft)	Breadth (in ft)	Height (in ft)	Quantity	Unit	Amount (in Rs.)

1 Earthwork in excavation of foundation in hard soil and clearing the excavated materials with in 50m and 1.5 initial lift.

Foundation Trench

Column	11	4.00	4.00	5.00	880.000 Cft
Long wall	3	25.50	2.00	3.00	459.000 Cft
	1	11.66	2.00	3.00	69.960 Cft
Cross wall	3	9.00	2.00	3.00	162.000 Cft
	4	6.00	2.00	3.00	144.000 Cft
	2	9.00	2.00	3.00	108.000 Cft
Step(Verandah)	1	10.00	4.00	1.00	40.000 Cft
Step(Office)	1	5.00	4.00	1.00	20.000 Cft
Deduction Column	-11	2.00	2.00	3.00	-132.000 Cft

Total
or Say 1750.960 Cft
49.582 Cum

@ Rs

201.60 /cum

Rs

9995.62

2 Providing and laying sand in foundation & plinth with sand well watered and rammed including Cost, conveyance, & royalties etc.complete.

Foundation Trench

Column	11	4.00	4.00	0.50	88.000 Cft
Wall trench					
Long wall	3	25.50	2.00	0.50	76.500 Cft
	1	11.66	2.00	0.50	11.660 Cft
Cross wall	3	9.00	2.00	0.50	27.000 Cft
	4	6.00	2.00	0.50	24.000 Cft
	2	9.00	2.00	0.50	18.000 Cft
Step(Verandah)	1	10.00	4.00	0.50	20.000 Cft
Step(Office)	1	5.00	4.00	0.50	10.000 Cft

Plinth Filling

M.Bed Room	1	10.66	10.00	2.50	266.500 Cft
Drawing Room	1	8.33	10.00	2.50	208.250 Cft
Verandah	1	4.00	10.00	2.50	100.000 Cft
Kitchen Room	1	8.00	7.08	2.50	141.600 Cft
Dinning Room	1	8.92	7.08	2.50	157.884 Cft
Toilet	1	5.25	7.08	2.50	92.925 Cft
Office Room	1	10.00	10.00	2.50	250.000 Cft
Deductio Column	-11	2.00	2.00	0.50	-22.000 Cft

Total
or Say 1470.319 Cft
41.635 Cum

@ Rs

499.14 /cum

Rs

20781.58

3 Cement Concrete Proportion (1:4:8) in foundation and floors using with 40 mm hard broken granite metal including hoisting, lowering and laying in layers not exceedind 15 cm thick to the required level, ramming watering and curing etc complete including all cost, conveyance, taxes and royalties of all materials complete.

Foundation Trench

Column	11	4.00	4.00	0.50	88.000 Cft
Wall trench					
Long wall	3	25.50	2.00	0.50	76.500 Cft
	1	11.66	2.00	0.50	11.660 Cft
Cross wall	3	9.00	2.00	0.50	27.000 Cft

	4	6.00	2.00	0.50	24.000 Cft
	2	9.00	2.00	0.50	18.000 Cft
Step (Verandah)	1	10.00	4.00	0.33	13.200 Cft
Step(Office)	1	5.00	4.00	0.33	6.600 Cft
Inside Room Flooring					
M.Bed Room	1	10.66	10.00	0.50	53.300 Cft
Drawing Room	1	8.33	10.00	0.50	41.650 Cft
Verandah	1	4.00	10.00	0.50	20.000 Cft
Kitchen Room	1	8.00	7.08	0.50	28.320 Cft
Dinning Room	1	8.92	7.08	0.50	31.577 Cft
Toilet	1	5.25	7.08	0.50	18.585 Cft
Office Room	1	10.00	10.00	0.50	50.000 Cft
Deductio Column	-11	0.83	0.83	0.50	-3.789 Cft

Total
or Say
504.603 Cft
14.289 Cum

@ Rs 5,511.03 /cum Rs 78745.84

4 R.C.C.work of M-20 grade with cement concrete proportation (1:1.5:3) and 20 mm down grade hard broken granite(crusher broken) chips for RCC works including hoisting laying with all cost, conveyance, and royalty of all materials complete.

i)Column base	11	3.50	3.50	0.83	111.843
column footing		$\frac{1}{3}((0.83 \times 0.83) + (3.5 \times 3.5)) + \sqrt{((0.83 \times 0.83) \times (3.5 \times 3.5))}$			
V=1/3(A1+A2+√A1XA2)H	11			1.00	58.090
ii)Column	11	0.75	0.75	15.34	94.916
iii)Ground Beam					
	3	25.50	0.83	0.83	52.701 Cft
	1	11.66	0.83	0.83	8.033 Cft
	3	9.00	0.83	0.83	18.600 Cft
	4	6.00	0.83	0.83	16.534 Cft
	2	9.00	0.83	0.83	12.400 Cft
Deduction column	-11	0.75	0.75	0.83	-5.136 Cft
iv) Plinth Beam					
	3	25.50	0.83	0.75	47.621 Cft
	1	11.66	0.83	0.75	7.258 Cft
	3	9.00	0.83	0.75	16.808 Cft
	4	6.00	0.83	0.75	14.940 Cft
	2	9.00	0.83	0.75	11.205 Cft
Deduction column	-11	0.75	0.75	0.75	-4.641 Cft
v) Lintel Band					
	3	25.50	0.75	0.50	28.688 Cft
	1	11.66	0.75	0.50	4.373 Cft
	3	9.00	0.75	0.50	10.125 Cft
	4	6.00	0.75	0.50	9.000 Cft
	2	9.00	0.75	0.50	6.750 Cft
Deduction column	-11	0.75	0.75	0.50	-3.094 Cft
vii) Chajja					
verandah	1	10.00	2.00	0.25	5.000 Cft
window	7	5.00	1.50	0.25	13.125 Cft
kitchen plate	1	8.00	1.50	0.25	3.000 Cft
	1	7.00	1.50	0.25	2.625 Cft
Inside Room					
Bed Room	1	10.66	1.50	0.25	3.998 Cft
	1	10.00	1.50	0.25	3.750 Cft
Dinning Room	1	8.92	1.50	0.25	3.345 Cft
Kitchen Room	1	8.00	1.50	0.25	3.000 Cft
	1	7.00	1.50	0.25	2.625 Cft

vii)(a) Roof slab Building including carnis 4"	1	25.83	19.91	0.41	210.853 Cft		
(b) Roof slab office Room including carnis 4"	1	11.16	11.66	0.41	53.351 Cft		
c) Roof slab over Toilet (at Lintel level)	1	5.25	7.08	0.25	9.293 Cft		
				Total	<u>830.98 Cft</u>		
				or Say	23.531 Cum		
@	Rs		6,493.87 /cum			Rs	152805.14

5 Supplying , fitting and placing uncoated HYSD bars reinforcement complete as per drawing and technical specification.

i)Column base & footing	4.81	cum @	1.00	Qntl/cum	4.812 Qntl		
ii)Column	2.688	cum @	1.20	Qntl/cum	3.225 Qntl		
iii)Ground Beam	2.920	cum @	1.00	Qntl/cum	2.920 Qntl		
iv) Plinth Beam	2.639	cum @	1.00	Qntl/cum	2.639 Qntl		
v) Lintel Band	1.581	cum @	1.00	Qntl/cum	1.581 Qntl		
vi) Chajja	1.146	cum @	0.50	Qntl/cum	0.573 Qntl		
vii) Roof slab	7.744	cum @	0.80	Qntl/cum	6.196 Qntl		
				Total	<u>21.946 Qntl</u>		
@	Rs.		10,074.38 / Qntl			Rs	221093.76

6 Rigid smooth Centering & Shuttering in RCC work & dismantalled the same after casting etc. Complete

(a)i) column base	11	14.00		0.83	127.820 sqft		
ii) Column Footing	11	8.66		1.00	95.260 sqft		
iii) Ground Beam	6	25.50		0.83	126.990 sqft		
	2	11.66		0.83	19.356 sqft		
	6	9.00		0.83	44.820 sqft		
	8	6.00		0.83	39.840 sqft		
	4	9.00		0.83	29.880 sqft		
Deduction column	-11	0.75		0.83	-6.848 sqft		
(iv) Plinth Beam							
	6	25.50		0.75	114.750 sqft		
	2	11.66		0.75	17.490 sqft		
	6	9.00		0.75	40.500 sqft		
	8	6.00		0.75	36.000 sqft		
	4	9.00		0.75	27.000 sqft		
Deduction column	-11	0.75		0.75	-6.188 sqft		
				Total	<u>706.671 sqft</u>		
				or Say	65.652 Sqm		
@	Rs		247.19 /Sqm			Rs	16228.43
(b) Lintel							
	6	25.50		0.50	76.500 sqft		
	2	11.66		0.50	11.660 sqft		
	6	9.00		0.50	27.000 sqft		
	8	6.00		0.50	24.000 sqft		
	4	9.00		0.50	18.000 sqft		
Deduction column	-11	0.75		0.50	-4.125 sqft		
				Total	<u>153.035 sqft</u>		
				or Say	14.217 Sqm		
@	Rs		569.57 /Sqm			Rs	8097.77
(c) Chajja ,							
verandah	1	10.00	2.00		20.000 sqft		
window	7	5.00	1.50		52.500 sqft		
kitchen plate	1	8.00	1.50		12.000 sqft		
	1	7.00	1.50		10.500 sqft		
Inside Room					0.000 sqft		

Bed Room	1	9.00	1.50	13.500 sqft		
	1	1.50	1.50	2.250 sqft		
Dinning Room	1	11.66	1.50	17.490 sqft		
Kitchen Room	1	8.00	1.50	12.000 sqft		
	1	7.00	1.50	10.500 sqft		
vii)(a) Roof slab Building including carnis 4"	1	25.83	19.91	514.275 sqft		
(b) Roof slab office Room including carnis 4"	1	11.16	11.66	130.126 sqft		
© Roof slab over Toilet (at Lintel level)	1	9.00	19.91	179.190 sqft		
				<u>974.331 sqft</u>		
				90.518 Sqm		
	@	Rs	754.02 /Sqm		Rs	68252.71
(d)(i) column	11	3.00	15.34	506.220 sqft		
				47.029 Sqm		
	@	Rs	1,185.52 /Sqm		Rs	55754.36

7 First class Flyash brick masonry in C.M.(1.6) in foundation & plinth / superstructure including cost, conveyance, and royalty of all materials complete.

(Below Plinth-3.33 ft, Above Plinth-9ft excluding RCC structure like Plinth and lintel beam)

Superstructure

Long wall	3	25.50	0.75	12.33	707.434 Cft	
	1	11.66	0.75	12.33	107.826 Cft	
Cross wall	3	9.00	0.75	12.33	249.683 Cft	
	4	6.00	0.75	12.33	221.940 Cft	
	2	9.00	0.75	12.33	166.455 Cft	
Step(Verandah)	1	10.00	3.00	0.83	24.900 Cft	
	1	10.00	2.00	0.83	16.600 Cft	
	1	10.00	1.00	0.83	8.300 Cft	
Step(Office)	1	5.00	3.00	0.83	12.450 Cft	
	1	5.00	2.00	0.83	8.300 Cft	
	1	5.00	1.00	0.83	4.150 Cft	
<u>Deduction</u>						
Column	-11	0.75	0.75	12.33	-76.292 Cft	
Doors (D)	-5	3.00	0.75	6.50	-73.125 Cft	
Doors (D2)	-1	2.75	0.75	6.50	-13.406 Cft	
Windows (W)	-7	3.00	0.75	4.00	-63.000 Cft	
Ventilator (Toilet)	-1	2.00	0.75	2.00	-3.000 Cft	
Ventilators (Rooms)	-8	1.50	0.75	1.00	-9.000 Cft	
				<u>Total</u>	1290.214 Cft	
				or Say	36.535 Cum	
	@	Rs	5,642.95	/ Cum		Rs 206164.14

8 16 mm thick cement plastering (1:6) over brick and rcc work of wall including cost, conveyance, royalty etc. complete.

Inside plaster area

M.Bed Room	2	10.66	13.58	289.526 sqft	
	2	10.00	13.58	271.600 sqft	
Verandah	2	4.00	13.58	108.640 sqft	
	1	10.00	13.58	135.800 sqft	
Dining Hall	2	8.92	13.58	242.267 sqft	
	2	7.08	13.58	192.293 sqft	
Toilet	2	7.08	13.58	192.293 sqft	
	2	5.25	13.58	142.590 sqft	
Drawing Room	2	10.00	13.58	271.600 sqft	

	2	8.33		13.58	226.243 sqft
Kitchen Room	2	8.00		13.58	217.280 sqft
	2	7.08		13.58	192.293 sqft
Office Room	2	10.00		13.58	271.600 sqft
	2	10.00		13.58	271.600 sqft
Step(Verandah)	2	10.00	1.25		24.900 sqft
	1	10.00		2.49	24.900 sqft
Step(Office)	2	5.00	1.25		12.450 sqft
	1	5.00		2.49	12.450 sqft
<u>Deduction</u>					
Doors (D)	-5	3.00		6.50	-97.500 Sqft
Doors (D2)	-1	2.75		6.50	-17.875 Sqft
Windows (W)	-7	3.00		4.00	-84.000 Sqft
Ventilator (Toilet)	-1	2.00		2.00	-4.000 Sqft
				<u>Total</u>	<u>2896.949 Sqft</u>
				or Say	269.136 Sqm

@ Rs. 265.19 / Sqm Rs 71371.89

9 12 mm thick Cement plastering (1:6) over brick wall including cost, conveyance, royalty etc. complete.

Outside plaster area

	2	25.50		13.58	692.580 sqft
	2	30.33		13.58	823.763 sqft
<u>Deduction</u>					
Doors (D)	-5	3.00		6.50	-97.500 Sqft
Doors (D2)	-1	2.75		6.50	-17.875 Sqft
Windows (W)	-7	3.00		4.00	-84.000 Sqft
Ventilator (Toilet)	-1	2.00		2.00	-4.000 Sqft
				<u>Total</u>	<u>1312.968 sqft</u>
				or Say	121.979 Sqm

@ Rs. 181.54 / Sqm Rs 22143.54

10 Suppling ,fitting and fixing of MS Grill madeout of M.S angle at the periphery & M.S Sq bar in the inner design with hold fast made out of M.S Angle windows including cost of Screws with cost of Conveyance, Taxes of all mataterials,labour,T&P etc Complete with all request

Window Grill	7	3.00	4.00		84.000 sqft
Ventilator Grill	1	2.00	2.00		4.000 sqft
				<u>Total</u>	<u>88.000 sqft</u>
				or Say	8.175 Sqm
Weight		18.50 Kg/sqm		<u>Total</u>	<u>151.246 Kg</u>

@ Rs. 183.19 /kg Rs 27706.65

11 Dressed, seasoned sal wood work framed and fixed (wrought and put up) in trusses, purlins, frames of doors.

Doors Chalkath	5	16.00	0.33	0.25	6.60 cft
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Dining Hall	2	8.92	9.50	169.480 sqft
	2	7.08	9.50	134.520 sqft
Toilet	2	7.08	4.00	56.640 sqft
	2	5.25	4.00	42.000 sqft
Drawing Room	2	10.00	9.50	190.000 sqft
	2	8.33	9.50	158.270 sqft
Kitchen Room	2	8.00	9.50	152.000 sqft
	2	7.08	9.50	134.520 sqft
Office Room	2	10.00	9.50	190.000 sqft
	2	10.00	9.50	190.000 sqft

Roof ceiling

Bed Room	1	10.66	10.00	
Verandah	1	4.00	10.00	40.000 sqft
Dining Hall	1	8.92	7.08	63.154 sqft
Toilet	1	7.08	5.25	37.170 sqft
Drawing Room	1	10.00	8.33	83.300 sqft
Kitchen Room	1	8.00	7.08	56.640 sqft
Office Room	1	10.00	9.50	95.000 sqft

Deduction both outer & inner

Doors (D)	-10	3.00	6.50	-195.000 Sqft
Doors (D2)	-2	2.75	6.50	-35.750 Sqft
Windows (W)	-14	3.00	4.00	-168.000 Sqft
Ventilator (Toilet)	-2	2.00	2.00	-8.000 Sqft

3341.884 Sqft

or Say 310.471 Sqm

@ Rs. 81.25 /sqm Rs 25226.92

21 Distempering two coats to walls with distemper of approved shade on new work to given an even shade

M.Bed Room	2	10.66	9.50	202.540 sqft
	2	10.00	9.50	190.000 sqft
Verandah	2	4.00	9.50	76.000 sqft
	1	10.00	9.50	95.000 sqft
Dining Hall	2	8.92	9.50	169.480 sqft
	2	7.08	9.50	134.520 sqft
Toilet	2	7.08	4.00	56.640 sqft
	2	5.25	4.00	42.000 sqft
Drawing Room	2	10.00	9.50	190.000 sqft
	2	8.33	9.50	158.270 sqft
Kitchen Room	2	8.00	9.50	152.000 sqft
	2	7.08	9.50	134.520 sqft
Office Room	2	10.00	9.50	190.000 sqft
	2	10.00	9.50	190.000 sqft

Roof ceiling

Bed Room	1	10.66	10.00	
Verandah	1	4.00	10.00	40.000 sqft
Dining Hall	1	8.92	7.08	63.154 sqft
Toilet	1	7.08	5.25	37.170 sqft
Drawing Room	1	10.00	8.33	83.300 sqft
Kitchen Room	1	8.00	7.08	56.640 sqft

Deduction

Doors (D)	-5	3.00	6.50	-97.500 Sqft
Doors (D2)	-1	2.75	6.50	-17.875 Sqft
Windows (W)	-7	3.00	4.00	-84.000 Sqft
Ventilator (Toilet)	-1	2.00	2.00	-4.000 Sqft

Total 2057.86 sqft

or Say 191.182 Sqm

@ Rs. 89.22 /sqm Rs 17057.59

22 Providing two coats weather coat paint over a coat of wall cement primer including material approved quality of paint.

Outside plaster area

	2	25.50	12.83	654.330 sqft
	2	30.33	12.83	778.268 sqft
Deduction				
Doors (D)	-5	3.00	6.50	-97.500 Sqft
Doors (D2)	-1	2.75	6.50	-17.875 Sqft
Windows (W)	-7	3.00	4.00	-84.000 Sqft
Ventilator (Toilet)	-1	2.00	2.00	-4.000 Sqft
				<u>1229.223 sqft</u>

or Say 114.199 Sqm
@ Rs. 60.42 /sqm Rs 6900.12

23 Add cost of PVC Door (Toilet)	on L.S	1 no	4500 L.S	Rs	4500.00
24 Add for Electrification work of Concealed coper Wiring of approved quality with modular pannel, earthing and out door lighting makes as per plan etc. complete. On L.S			L.S		30000.00
25 Add for fitting and fixing Toilet (Latrin pan with exhust), Bath room fitting ,wash basin , kitchen Sink with PH work including Over Head PVC Tank and Construction of Septic tank with RCC plate cover on L.S			L.S	Rs	25000.00
			Total		<u>1275255.60</u>
					<u>229546.01</u>
26 Add GST -18%				Grand Total	Rs <u>1504801.61</u>
				Limited to	Rs <u>1503990.00</u>

(Rupees Fifteen Lakh Three Thousand Nine hundred ninety) only

Manoj Kumar Datta
Asst. Conservator of Forest
I/C Samantiapalli Range

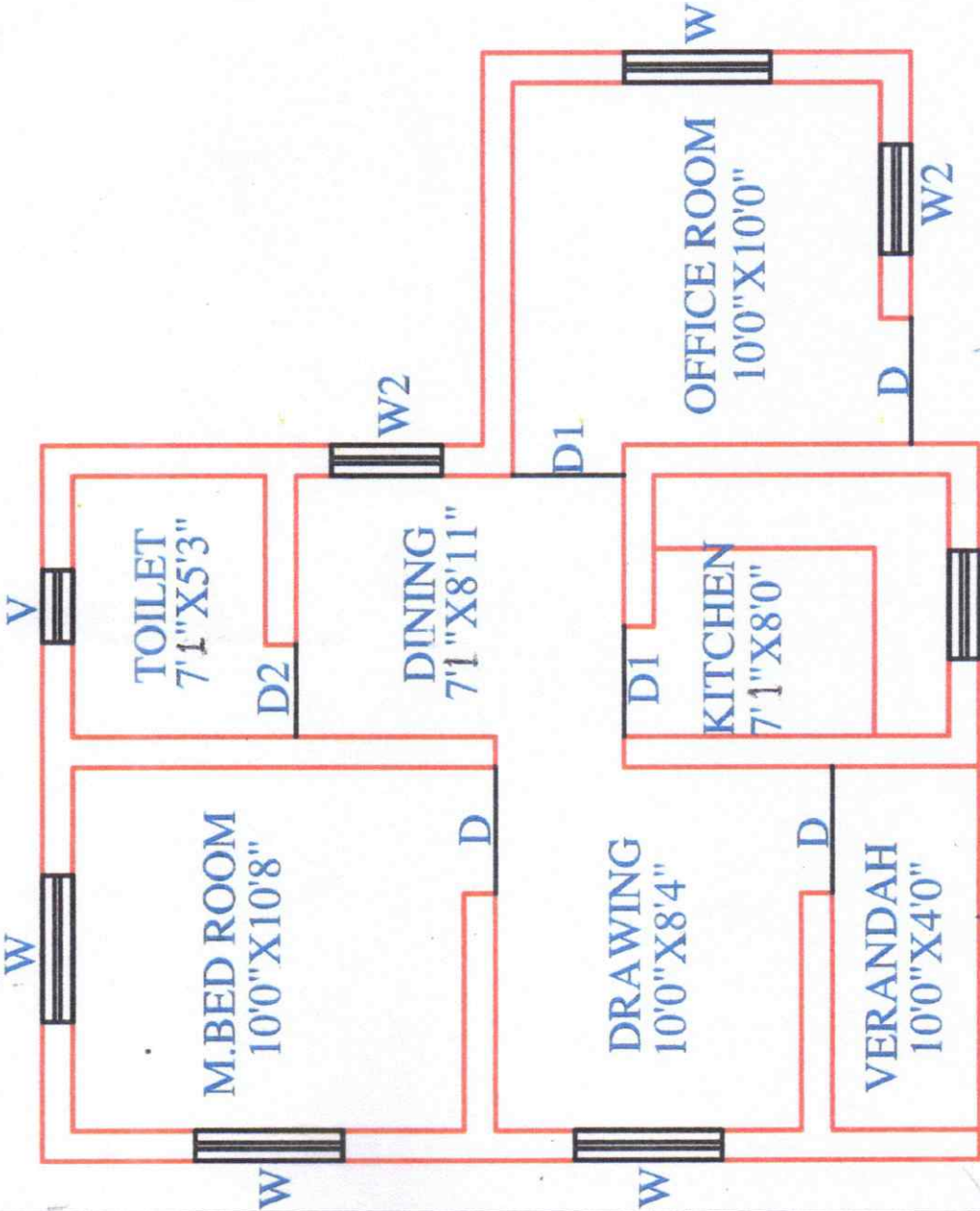
Certified that this Estimate has been prepared at current the Schedule of Rates (post GST) and current Labour wages. The overhead charge (7.5%) and contractors profit (7.5%) has been including during preparation of the Estimate.

[Signature]
Assistant Executive Engineer
(R & B) Sub-Division
CHATRAPUR

[Signature]
FORESTER
SAMANTIAPALLI SECTION

Manoj Kumar Datta
Asst. Conservator of Forest
I/C Samantiapalli Range
Asst. Conservator of Forest
I/c. Samantiapalli Range

30-4"



PLINTH AREA-500 SQ FT
OFFICE AREA-126 SQ FT
TOTAL AREA-626 SQ FT

Principal Chief Conservator of Forests
 Forest Division & Nodal Officer, FC Act

NAME OF THE CONSULTANT
SOVA CONSULTANTS
 (Approved by Govt. of Odisha/KAO ISO 9001:2015 Certified.)
 Soil Testing Laboratory & Engineering Consultant.
 REGD. OFF. - Pl. no-37, Jagdishan Nagar, Bhubaneswar-751030, Odisha.
 Phone-9437171010, 9437286639
 E-mail-sovaodisha@gmail.com

PROPOSED PLAN OF FOREST GUARD QUARTER.

Wd-24
 28/10/2020
 ACF (C.A.M.P.A.)
 Dy. G.F. (CAMPAT)
 O/o PCCF, Odisha

Wd-24
 28/10/2020
 ACF (C.A.M.P.A.)
 Dy. G.F. (CAMPAT)
 O/o PCCF & HoFF, Odisha

Chief Executive Officer
 State CAMPAs
 Odisha

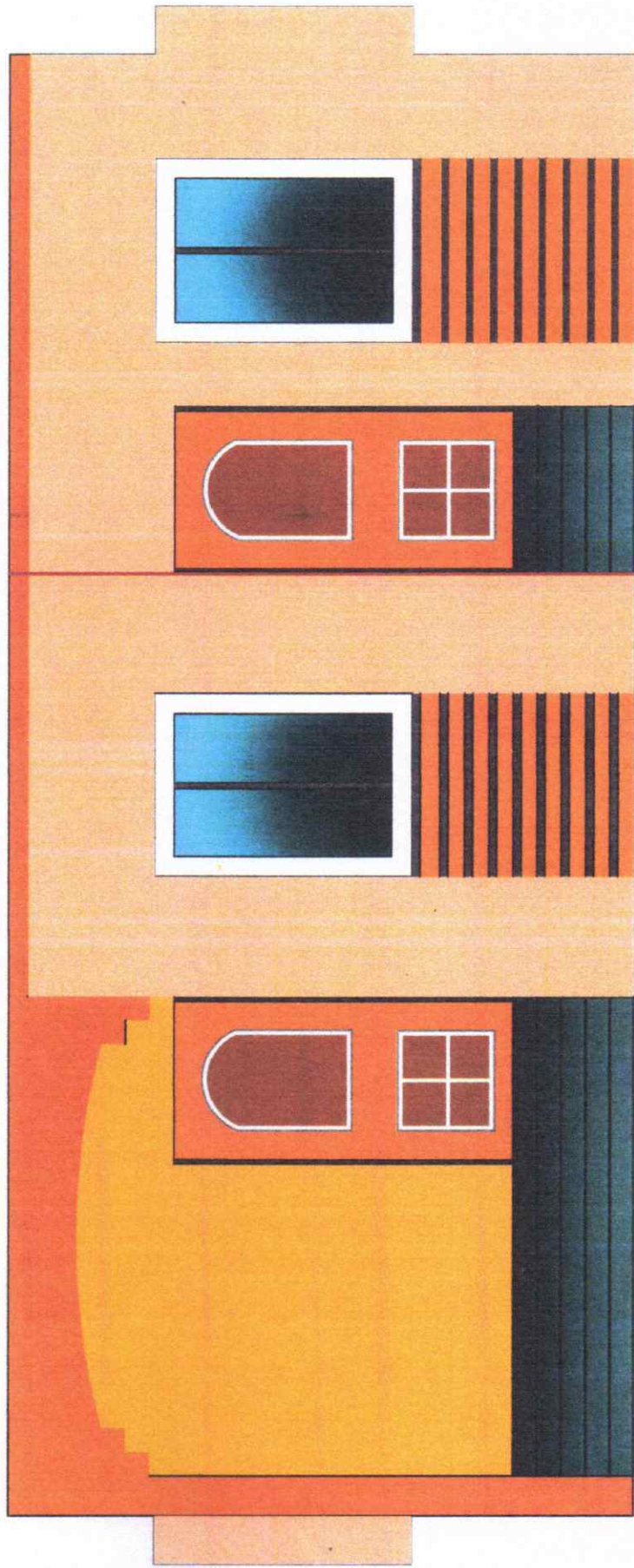
Assistant Executive Engineer
 (R & B) Sub-Division
 CHATRAPUR

Manoj Kumar Panda
 Assi Conservator of Forest
 O/c Samantialapalli Range

FORESTER
 SAMANTIALAPALLI SECTION

25-6"

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28/10/2020
 A.C.F. (C.A.M.P.A.)
 Dy. CF (C.A.M.P.A.)
 O/o PCCF, Odisha

28/10/2020
 Dy. CF (C.A.M.P.A.)
 O/o PCCF (C.A.M.P.A.)

28/10/2020
 Chief Executive Officer
 State, C.A.M.P.A., Odisha
 O/o. PCCF & HoFF, Odisha

28/10/2020
 Principal Chief Conservator of Forests
 Forest Division & Nodal Officer, FC Act

NAME OF THE CONSULTANT:
SOVA CONSULTANTS
 (Approved by Govt. of Odisha, (An ISO 9001:2015 Certified.)
 Soil Testing Laboratory & Engineering Consultant.
 REGD. OFF. - Pl. No-37, Jagmohan Nagar, Bhubaneswar-751030, Odisha.
 Phone-9437171010, 9437280639
 E-mail-consultsova@gmail.com

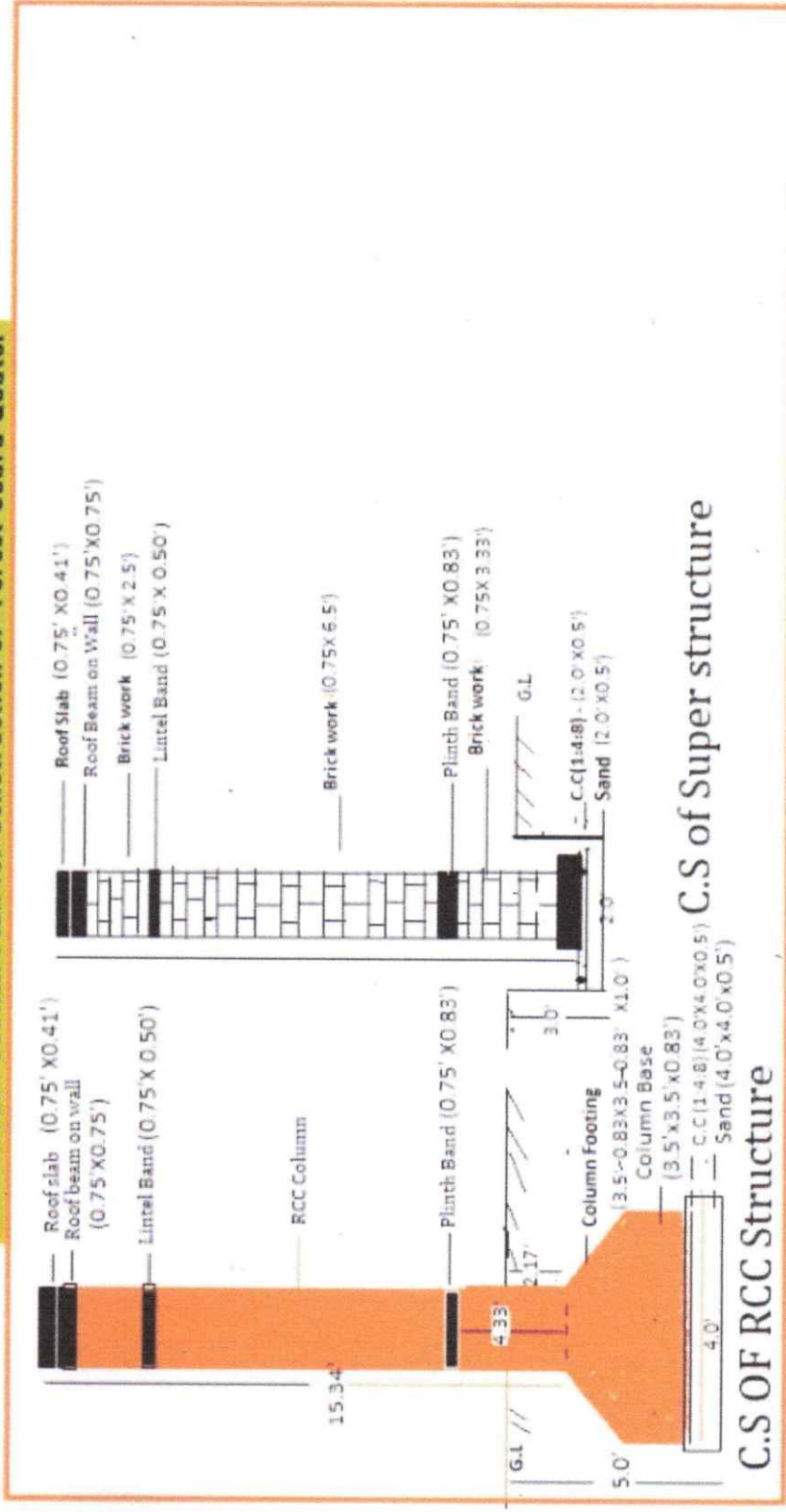
PROPOSED ELEVATION OF FOREST GUARD QUARTER.

FORESTER
 SAMANTIA PALLI SECTION
 Vc. Samantia Palli Range

Manoj Kumar Mishra
 Assi Conservator of Forest
 Vc. Samantia Palli Range

Assistant Executive Engineer
 (R & B) Sub-Division
 CHATRAPUR

Cross Section Plan for Construction of Forest Guard Quater



FORESTEN
SAMANTIA'ALLI SECTION

Manoj Kumar Hegde
Asst Conservator of Forest
Kc. Samantiapalli Range

[Signature]
Assistant Executive Engineer
(R & B) Sub-Division
CHATRAPUR