



**OFFICE OF THE DIVISIONAL FOREST OFFICER, BRAHMAPUR DIVISION  
AT-COURTPETA, BRAHMAPUR-760004**

Phone/Fax- 0680-2281354, Mob- +91 7653908594, E. Mail [dfa.brahmapur@odisha.gov.in](mailto:dfa.brahmapur@odisha.gov.in)

Tender Call Notice No. 307/1F-(ACCOUNTS)-51/23,  
Dated, Brahmapur the 01 November, 2023

Divisional Forest Officer, Brahmapur Division invites offline in single cover from "B & C class" contractor registered with the State Governments and Contractor of equivalent Grade/Class registered with Central Government/MES/Railways for execution of civil works on production of definite proof from the appropriate authority in prescribed form to be eventually drawn in Forest Department FORM-P-1 for the work "Construction of Double Storied Internal Vigilance Forester and Forest Guard Quarters".

**Document Download:**

The tender document having detailed instructions and terms & conditions are available on the website [www.odishaforest.in/tenders/](http://www.odishaforest.in/tenders/) <https://ganjam.nic.in>.

Memo No. 8074 dt. 01.11.23, 2023

Copy along with its enclosure submitted to the Deputy Director, Information & Public Relation Department (Adv), & Deputy Secretary to Government of Odisha, Bhubaneswar for information and necessary action. He is requested to publish in two Odia / English Daily News Papers (All editions).

  
Divisional Forest Officer  
Brahmapur Division

Memo No. 8075 dt. 01.11., 2023

Copy along with its enclosure submitted to the Dy. Conservator of Forests, (Admin) Office of the Principal Chief Conservator of Forests, Wild Life & Chief Wild Life Warden Odisha, Bhubaneswar for favour of kind information and necessary action with reference to his memo no 13582 dt 06.07.2023.

  
Divisional Forest Officer  
Brahmapur Division

Memo No. 8076 dt. 01.11., 2023

Copy along with its enclosure submitted to the Additional Principal Chief Conservator of Forests, (IT & GIS), Office of the Principal Chief Conservator of Forests, Odisha, Bhubaneswar for favour of kind information and necessary action. He is requested to upload the Tender Notice in the Website of PCCF, Odisha at an early date.

  
Divisional Forest Officer  
Brahmapur Division

Memo No. 8077 dt. 01.11., 2023

Copy along with its enclosure submitted to the Regional Chief Conservator of Forests, Brahmapur Circle, Brahmapur for favour of kind information and necessary action.

  
Divisional Forest Officer  
Brahmapur Division

Memo No. 8078 dt. 01.11., 2023

Copy along with its enclosure forwarded to the District Information Officer, NIC, Collectorate, Ganjam Chatrapur for information and necessary action. He is requested to display the Tender Notice in the District Website.

  
Divisional Forest Officer  
Brahmapur Division

Memo No. 8079 dt. 01.11., 2023

Copy along with its enclosure forwarded to the All Forest Range Officers, Brahmapur Forest Division for information and necessary action. They are instructed to display the Tender Notice on their respective Range Office Notice Board.

  
Divisional Forest Officer  
Brahmapur Division



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[Email-dfo.berhampur@odisha.gov.in](mailto:dfo.berhampur@odisha.gov.in)

**Bid Identification No. 307 /IF Dated 01.11.2023**

**TENDER FOR CONSTRUCTION OF DOUBLE STORIED  
(INTERNAL VIGILANCE FORESTER AND FOREST GUARD QUARTERS)  
IN BERHAMPUR FOREST DIVISION. BERHAMPUR**

The Divisional Forest Officer, Brahmapur Forest Division on behalf of Governor of Odisha invites percentage rate bid in OFF-LINE mode from eligible contractors with valid licenses for execution of Building & other work as detailed in DTCN

1.	Nature of Works	-	Construction of Internal Vigilance Forester Quarters (G+1) and Forest Guard Quarters (G+1) ( Flying Squad)
2.	No. of Work	-	02 Nos Forester and 02 nos Forest Guard Quarters (G+1) of each.
3.	Tender Form Cost	-	Rs.12,000/- (For Each One)
4.	Class of Contractor	-	"B & C" Class Contractor
5.	Availability of bid document in the Office	-	From Dt. 02.11.2023 10.00 A.M. to Dt. 16.11.2023 5.00 P.M.
6.	Last date and time of submission of bids in tender box of office	-	Dt. 16.11.2023 05.00 P.M.
7.	Date of opening of Bid	-	Dt. 17.11.2023 at 11.00 AM
8.	The bidders have to participate in OFF-LINE bidding only.		

  
Divisional Forest Officer  
Brahmapur Division



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1. The **DIVISIONAL FOREST OFFICER, BERHAMPUR FOREST DIVISION** on behalf of Governor of Odisha invites **Percentage Rate bids** in single cover system in **offline mode** for the construction works as detailed in the table, from the class of eligible contractors as mentioned in column-8 registered with the State Governments having Civil license and Contractors of equivalent Grade / Class Registered with Central Government for execution of Civil Works. The proof of registration from the appropriate authority shall be enclosed along with the Bid. If successful, the bidder who has not registered under state government has to register under the appropriate registering authority of the State Government of Odisha in appropriate class of eligibility before award of the work. The bidder may submit bids for the following works.

Sl No	Name of the Work	Area of the work	Concerned T.I.A	Appropriate value of Amount. Incl. GST (in Rs)	Cost of Bid papers (in Rs)	Cost of EMD (In Rs.)	Class of Bidders	Period of Completion
1	2	3	4	5	6	7	8	9
1	Construction of Internal Vigilance Forest Guard Quarter (G+1) at Aska Road, Forest Colony, Berhampur Range Office Campus of Brahmapur Forest Division	Plinth area- 586 sq.ft. Office area- 126 sq.ft. Total area- 712 sq.ft.	Brahmapur Forest Division	24,08,000/- (approx)	12,000/-	0	B & C Class	3 Months
2	Construction of Internal Vigilance Forester Quarter (G+1) at Check Naka Gate, Aska Road 1 <sup>st</sup> Gate, Berhampur Range of Brahmapur Forest Division	Plinth area- 783.5 sq.ft. Office area- 149 sq.ft. Total area- 932.5 sq.ft.	Brahmapur Forest Division	32,26,000/- (approx)	12,000/-	0	B & C Class	3 Months

2. Bid documents consisting of plans, specifications, the schedule of quantities and a set of Terms & Conditions of contract.
3. The Bid documents will be available in the website [www.odishaforest.in/tenders](http://www.odishaforest.in/tenders) from **02.11.2023**.
4. Bids shall be received only "Offline" on or before **05:00 PM dated 16.11.2023**.
5. The Original Documents only through Regd./Speed post / by person should reach on or before **dated 16.11.2023** up to **05:00PM** and other means of posting are not allowed.
6. Bids received offline shall be opened at **11:00 AM on dated. 17.11.2023** in the Office of the undersigned in presence of the Bidders who choose to attend. Bidders who participate in the Bid can witness the opening of Bids.
7. **The successful bidder shall produce original Registration certificate, PAN, GST Registration Certificate at the time document verification, otherwise his/her bid shall be declared as non-responsive and thus liable for rejection.**
8. The cost of Bid documents in shape of Demand Draft only issued from any Nationalized/ Scheduled Bank may be prepared in the name of the **Divisional Forest Officer, Brahmapur Forest Division** mentioned under **Column No.6 of Table** above payable of Brahmapur separately for each work i.e. towards paper cost for each Bid respectively.

- Additional Performance Security shall be often from the Bidder when the Bid amount is less then estimated cost put to tender. In such an event only the successful Bidder who has quoted less Bid price rates then the estimated cost put to tender shall have to furnish the exact amount of differential cost i.e. estimated cost put to tender minus the quoted amount as Additional Performance Security (APS) in shape of Demand Draft/Term Deposit received pledged in favour of **the Divisional Forest Officer, Brahampur Forest Division** within seven days otherwise the Bid shall be cancelled and the security deposit shall be forfeited. Further proceeding for black listing shall be initiated against the Bidder. The notice inviting bid, all the documents including additional conditions, specifications and drawings, if any, forming the bid as issued at the time of invitation of bid and acceptance thereof together with any correspondence leading there to & required amount of performance security including additional performance security. The normal performance security will be 3 % of the total contract price.
- 10: If the rate quote by the Bidder is less than 15% of the tender amount then such a Bid shall be rejected and tender shall be finalized basing on merits of the rest Bids, but if more than 1 bid is quoted at 14.99% (Decimals up to 2 Nos. will be taken for all practical purposes) less than estimated cost, the tender accepting authority will finalize the tender through a transparent lottery system where all Bidders/ their authorized representatives, the concerned Divisional Forest Officer and committee will remain present.
  - 11: Other details can be seen in the Biding documents.
  - 12: Any undertaking for any required documents will not be allowed, the tender will be rejected during evaluation.
  - 13: **The estimated cost is inclusive of GST 18%.**
  - 14: The cost of labour cess is @1% over and above the work value.
  - 15: Valid and up to date required document should be enclosed falling which the concerned tender paper of the Bidder will be canceled without any further correspondence.
  - 16: The bidder is free to apply for either the works or single work. The tender cost should be furnished accordingly.
  - 17: The Authority reserves the right to cancel any or all the Bids without assigning any reasons thereof.

  
Divisional Forest Officer,  
Brahampur Division.



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**Bid Identification No. 307 /IF Dated . 01.11.2023**

Scaled **percentage rate** bids are invited on **OFFLINE in SINGLE COVER** from "B" & "C" Class contractor registered with the State Governments and contractors of equivalent Grade/class registered with Central Government/MES/Railways for execution of civil works on production of definite proof from the appropriate authority in prescribed form to be eventually drawn in Forest Department **FORM P-1** for the work "Construction of Buildings".

1. Bid documents consisting of plans, specifications, set of Terms & Conditions of contract and other necessary Documents can be seen in this tender document.
2. The Bid documents will be available in the website: [www.Odishaforest.in/tenders/ganjam.nic.in/](http://www.Odishaforest.in/tenders/ganjam.nic.in/) from **02.11.2023 to 16.11.2023 (5.00 PM)** for offline bidding.
3. Bids shall be received only on "Offline" on or before **05:00 PM dated 16.11.2023**.
4. The Original Bid Documents should only be received through Regd./Speed post/ Person before **16.11.2023 up to 05:00 PM** and other means of posting are not allowed.
5. Technical Bids received offline shall be opened at **11.00 AM on dated. 17.11.2023** in the Office of the undersigned in presence of the Bidders who choose to attend. Bidders who participate in the Bid can witness the opening of Bids.
6. The cost of Bid documents in shape of demand draft issued from any Nationalized/Scheduled bank may be prepared in the name of the **Divisional Forest Officer, Berhampur Division and payable at Berhampur**. The Bid cost shall be deposited in shape of Demand Draft prepared on or before the last date of receipt along with the Bid.
7. **The bid is to be submitted in two covers.**
  - (i) Cover-I- List contains tender Cost, GST certificate, hard copy of registration certificate, PAN card, valid GST certificate, undertaking/certificates duly filled, affidavit, work experience certificate and documents required as per the relevant clauses of this DTCN.
  - (ii) Cover-II List contains the price bid duly filled in and signed by the bidder.
8. The intending bidders are required to produce documents viz. original Registration, valid GSTN Certificate, PAN card after opening of Technical Bid for verification purpose in the latter stage along with the original documents, preferably within five working days from the date of opening of the tender. Furnishing hard copy of such documents along with the Technical Bid is mandatory otherwise his/her bid shall be declared as non responsive and thus liable for rejection.

9. The work is to be completed in all respects within the **prescribed time period (three months)** as specified in the **DTCN**. Bidders whose bid is accepted must submit a work programme at the time of execution of Agreement.
10. All **bids** received will remain **valid** for period as specified in the **DTCN** after the dead line date for submission of bids and validity of bids can also be extended if agreed to by the bidder and the Department.
11. The tenderer should furnish along with their tender a list of works executed during the **last three years** duly certified by the concerned Engineer-in-Charge indicating the satisfactory completion as per the Performa enclosed in a separate sheet of schedule-D1 and D2.
12. **No Relation certificate.**

The contractor shall furnish a certificate along with the tender to the effect that he is not related to any officer in the state Forest Department or Assistant/Under Secretary & above in the Forest Department. If the fact subsequently proved to be false, the contract is liable to be rescinded. The Performa for no relationship certificate is contained in a separate sheet vide Schedule-A.
13. An applicant or any of its constituent partners of whose contract for any work has been rescinded or who has abandoned any work in the last five years, prior to the date of the bid, shall be debarred from qualification. The bidder is to furnish an **affidavit** at the time of submission of bid about the authentication of bid documents including Bank guarantee. An **affidavit** to this effect is to be furnished in **Schedule-F**. **Non furnishing** of the scanned copy of information in **Schedule-E** and required affidavit in **Schedule-F** will lead to rejection of the bid.
14. The tender should be strictly in accordance with the provision as mentioned in the tender schedule. Any change in the wordings will not be accepted.
15. No bidder will be permitted to furnish their bid in their own manuscript papers. All information should be typed in English.
16. Submission of more than one tender by a bidder for a particular work will liable for rejection.
17. **Percentage rate contract (vide Works Department letter No. 8310 dt.17.05.2006) In case of Percentage Rate tender:-**
  - (i) The contractor has to quote percentage excess or less over the estimated cost in the Price Bid appended to the tender document.
  - (ii) The Contractor will quote percentage excess/less up to one decimal point only. If he writes the percentage excess/less up to two or more decimal points, the first decimal point shall only be considered without rounding off.
  - (iii) In the contract P-1 time is the essence. The contractor is required to maintain a certain rate of progress specified in the contract.
  - (iv) The quantity mentioned can be increased or reduced to the extent of 10% for individual items subject to a maximum of 5% over the estimate cost. If it exceeds the limit stated above prior approval of competent authority is mandatory before making any payment.
  - (v) The period of completion is fixed and cannot be altered except in case of exceptional circumstances with due approval of next higher authority.
  - (vi) Bills for percentage rate tenders shall be prepared at the estimated rates for individual items only and the percentage excess or less shall be added or subtracted from the gross amount of the bill.
18. The bidder shall carefully study the tentative drawings and specifications applicable to the contract and all the documents which will form a part of the agreement to be entered into by the accepted bidder and detailed specifications for Odisha and other relevant specifications and drawings. Complain at a future date that plans and specifications have not been seen by the bidders cannot be entertained.
19. The drawings if any furnished with the bid are tentative and subject to revision or modification as tendered during the execution as per actual necessity and detail test conducted. But the tendered rate quoted by the bidder

will hold good in case of such modification of drawings during the time of execution and shall in no way invalidate the contract and no extra monetary compensation will be entertained. The work shall how ever be executed as per final approved drawing to be issued by the Plan Layout elevation of estimate infrastructure should be as per approved plans & estimate of the Pr.C.C.F Office.

20. i) Every bidder is expected before quoting his rate to inspect the site of the proposed work. The bidder should also inspect the quarries and approach roads to quarries and satisfy himself/themselves about the quality and viability of materials. In every case the materials must comply with the relevant specifications. Complaints at future date that the availability of materials at quarries has been misjudged cannot be entertained.

**(ii) Amendment to Para 3.4.16 (a) (vii) of OPWD Code Vol.-I by substitution.**

For the purpose of estimate, the approved quarry lead is to be provided judiciously. Range Officer In-Charge would be responsible for ensuring the quality of the materials supplied. The contractors would, however, be responsible for procurement of materials from authorized sources and voluntarily disclose the source of procurement for the purpose of billing. Besides, the bidder would be required to submit the details of quarry for procurement while submitting the bids.

21. It must be definitely understood that the Government does not accept any responsibility for the correctness and completeness of the trial borings shown in the Cross Section.
22. In case of any discrepancy in printing or omissions of statutory specifications or any other part or portion of the approved document during download of the bid document, the decision of the officer inviting the bid will be binding on the bidder.
23. The tender containing extraneous conditions not covered by the tender notice are liable for rejection and quotations should be strictly in accordance with the tender call notice. Any change in the wording will not be accepted.
24. i) Schedule of quantities are to be proposed by the bidders as per standards defined in the tender document for the best of the best works as per plan given. The technical committee will examine the proposal and recommend for its acceptance by the competent authority. In no case sub standard materials will be proposed.
- ii) The quantity mentioned can be increased or decreased to the extent of 10% for individual items subject to a maximum of 5% over the estimated cost. If it exceeds the limit stated above prior approval of competent authority is mandatory before making any payment.

**The authority reserves the right to reject any or all the tenders received without assigning any reasons there-of whatsoever.**

25. **There is no earnest money (EMD) for this tender**

- (i) The bidder/tenderer whose bid has been accepted will be notified of the award by the Range Officer or DFO-in-charge prior to expiration of the valid period by cable, telex or facsimile or registered letter. This letter (herein after and in the conditions of Contract called the "Letter of Acceptance") will state the sum that the Range Officer or DFO will pay the contract or in consideration of the execution, completion and maintenance of the Works by the contractor as prescribed by the contract (Herein after and in the contract called the "Contract Price").
- (ii) The notification of award will constitute the formation of the contract, subject only to the furnishing of a performance security (Initial Security Deposit) and additional performance security as per Clause 27 of DTCN in form of Fixed deposit receipt to Schedule Bank/ Kissan Vikash Patra /Post Office Savings Bank Account /National Savings Certificate/ Postal Office Time Deposit Account/ Bank Guarantee in favour of the Divisional Officer from any Nationalized /Scheduled Bank in India counter guaranteed by its local branch at Brahmapur duly pledged in favour of the Divisional Forest Officer **and payable at Brahmapur.**
- (iii) The agreement will incorporate all correspondence between the officer inviting the bid and **the successful bidder. Within 15 days following the notification of award along with the Letter of**

- Acceptance, the successful bidder will sign the agreement** and deliver it to the Range Officer-in-charge. Following documents shall form part of the agreement.
- The notice inviting bid, all the documents including additional conditions, specifications and drawings, if any, forming the bid as issued at the time of invitation of bid and acceptance thereof together with any correspondence leading there to & required amount of performance security including additional performance security. The normal performance security will be 3 % of the total contract price.
  - Standard Forest Deptt. Form P-1 with latest amendments.
- (iv) Failure to enter into the required agreement and to make the security deposit as above shall entail forfeiture of the **Bid Security (Earnest money)**. No **contract (tender)** shall be finally accepted until the required amount of initial security deposit and additional performance security deposit are received by the O/o the DFO, Berhampur. The security will be refunded after **One year** of completion of the work and payment of the final bill and will not carry any interest.
- (v) **The security deposit of the successful tenderers will be forfeited in case, where bidders /tenderers back out from the offer after signing of agreement with the competent authority.**
- (vi) **Amendment to Para 3.5.18 Note – viii of OPWD Code Vol-I**  
Before acceptance of tender, the successful bidder will be required to submit a work programme and milestone basing on the financial achievement so as to complete the work within the stipulated time and incase of failure on the part of the agency to achieve the milestone liquidated damage will be imposed.
- (vii) **Amendment to Para 3.5.14 Note-I of OPWD Code Vol-I**  
If L-1 bidder does not turn up for agreement after finalization of the tender then he shall be debarred from participation in bidding for three years and action will be taken to black list the contractor. In that case, the L2 bidder, if fulfils, other required criteria would be called for drawing agreement for execution of work subject to the condition that L2 bidder negotiates at par with the rate quoted by the L1 bidder otherwise the tender will be cancelled in case a contractor is black listed. It will be widely published and intimated to all departments of Government and also to Govt. of India agencies working in the State.
26. The agreement will be drawn in Forest Deptt. P1 contract form and the contract for the work shall be drawn and signed by Divisional Forest Officer, Berhampur Forest Division or his authorized officer.
27. The Civil items of works as per Schedule of quantities, shall be supervised, measured **and check measured by the** Divisional Forest Officer, Berhampur Forest Division **or his representatives authorized for the purpose.**
28. Any deviation in execution of the items of the agreement will mean deviation to the work as a whole. The financial implications shall be informed to the Chief Engineer (Buildings) Orissa / Pr.C.C.F, Odisha for proper action.
29. Similarly, extension of time if applied by the contractor will mean and amount to extension of time for the work will be dealt with by the DFO, Berhampur Division as per relevant clause of P1 agreement & DTCN Code.
30. Amendment to Para-3.5.5 (v) of OPWD Code Volume-I by inclusion. Additional Performance Security (as per Office Memorandum No.4559 dtd.05.04.2021 of Works Department, Government of Odisha) Additional Performance Security (APS) is being obtained from the Successful Bidder when the Bid amount is less than estimated cost put to tender to the extent as given in the table below, in shape of Term Deposit Receipt pledged in favour of Divisional Forest Officer, Berhampur/ Bank Guarantee in favour of the Divisional Forest Officer, Berhampur from any Nationalized /Scheduled Bank in India counter guaranteed by its local branch at Bhubaneswar within seven days of issue of Letter of Acceptance (LoA) by the Divisional Officer (by e-Mail) to the successful bidder otherwise the bid of the successful bidder shall be cancelled and the he will be debarred from tendering for a period of 180 days. Further, proceeding for Blacklisting shall be initiated against the bidder as per amendment to Para 3.5.5



(v) of OPWD Code Volume-I vide Works Department Office Memorandum No. 14459/W dated 20.09.2018. In view of the above, the State Government is pleased to fix the following rate of Additional Performance Security;

Sf No.	Range of Difference between the estimated cost put to tender and Bid amount	Additional Performance Security to be deposited by the successful bidder
i.	Below 5%	No Additional Performance Security
ii.	From 5% and above and below 10%	50% of (Difference between estimated cost put to tender and Bid Amount)
iii.	From 10% and above	150% of (Difference between estimated cost put to tender and Bid Amount)

31. The Civil contractor who has put the tender for the work in DTCN, will alone be responsible and answerable to the Forest Department Authority or any other competent authorities as regards to defects in the work, slow progress in the work or any other recessional parameters that may crop up during execution of the work as When any part of the work is considered by the departmental authority not to be in coherence with the agreement condition or their specifications as in the DTCN, then the contract for the total work in TCN will lead to its revision by the department if felt necessary.
32. That for the purpose of jurisdiction in the event of disputes if any of the contracts would be deemed to have been entered into within the State of Odisha and it is agreed that neither party to the contract will be competent to bring a suit in regard to them after by this contract at any place outside the State of Odisha.
33. The contractor should be liable to fully indemnify the department for payment of compensation under workman Compensation Act. VIII of 1923 on any account of the workmen employed by the contractor and full amount of compensation paid will be recovered from the contractor.
34. Bidders are required to abide by the fair wages clause as introduced by Govt. of Odisha, Works Department Letter No.-VIII-R8/5225 Dtd.26.02.55 and No.IIM-56/628842(5)Dtd. 27.09.61 as amended from time to time.
35. In case of any complaint by the labour on payment or less payment of wages as per latest minimum Wages Act, the Officer authorized by the DFO will have the right to investigate and if the contractor is found to be in default, he may recover such amount due from the contractor and pay such amount to the labour directly under intimation to the local labour office of the Govt. The contractor shall not employ child labour. The decision of the DFO is final and binding on the contractor.
36. The contractor shall bear cost of various incidentals, sundries and contingencies necessitated by working full within the following or similar category as per Govt. guidelines.
  - a. Rent, royalties and other charges of materials, octroi duty, all other taxes including sales tax, ferry, tolls conveyance charge and other cost on account to land and building including temporary building and temporary electric connection to work site as well as construction of service road and diversion road and its maintenance till completion of work as required by the bidders for Collection of materials, storage, housing of staff or other purpose of the work. No bidder will how ever be liable to pay Govt. for temporary occupation of land owned by Govt. at the site of the work.
  - b. Labour camps or huts necessary to a suitable scale including conservancy and sanitary arrangements there into the satisfaction of the local health authorities.
  - c. Suitable water supply including pipe water supply wherever available for the staff and labour as well as for the work.
  - d. Fees and duties levied by the municipal, canal or water supply authorities.
  - e. Suitable equipments and wearing apparatus for the labour engaged in risky operations.
  - f. Suitable fencing barriers, signals including paraffin and electric signal where necessary at work sand approaches in order to protect the public and employees from accidents.
  - g. Compensation including the cost of any suit for injury to persons or property due to neglect of any major precaution also become payable due to operation of the workmen compensation act.
  - h. The contractor has to arrange adequate lighting arrangement for the work wherever necessary at his own cost.
37. After the work is finalized, all surplus materials should be removed from the site of work. Preliminary work

such as vats, mixing platforms etc. should be dismantled and all materials removed from the site and premises left neat and clean, this should be inclusive of the rate.

38. No payment will be made for benchmarks, level pillars profiles and benching and leveling the ground where required. The percentage rate to be quoted should be inclusive of carriage of all materials and incidental item of works.
39. It should be understood clearly that no claim what-so-ever will be entertained to extra items of works, extra quantity of any item besides agreement quantity unless written order is obtained from the Engineer-in-charge and rate settled before the extra items of work or extra quantity of any items of work is taken up.
40. The bidder shall have to abide by the C.P.W.D. safety code rules introduced by the Government of India, Ministry of work Housing and Supply in their standing order No-44150 dtd.25.11.57.
41. Bid documents consisting of plans, specifications, the schedule of quantities and the set of terms and conditions of contract and other necessary documents can be seen in all the offices issuing the documents during office hours every day except on Sundays and Public Holidays till last date of sale and receipt of bid documents. Interested bidders may obtain further information at the same address. But it must be clearly understood that the bids must be received in order and according to the instructions.
42. Bidders are required to go through each clause of Forest Deptt. Form P-1 carefully in addition to the clause mentioned here in before tendering. In case of ambiguity, the clauses of Forest Deptt. Form P-1 with latest amendments shall **supersede** the condition of **D.T.C.N.**
43. Steel shuttering & centering shall be used which shall be lined with suitable sheeting and made leak proof and water tight.
44. The Department will have the right to inspect the scaffolding, centering and shuttering made for the work and can reject partly or fully such structures if found defective in their opinion.
45. Concrete should be machine mixed unless otherwise ordered in writing by the Range Officer. The contractor should arrange his own concrete mixer, vibrator and pumps etc, for this purpose at his own cost.
46. Cement shall be used by bags and weight of one bag of cement being taken as fifty (50) Kg.
47. The bidder should arrange the materials like Steel, Cement, paint and bitumen etc. of approved quality and specification/grade at his own cost for completion of the work with the time schedule. No extension of time will be granted on the application of the bidder due to delay in procurement of materials. There should be no use of materials beyond specification. The same will be produced during signing of agreement and will be approved by the purchase committee of the office in which there may be a co-opted member from an engineering department.
48. The bidder will be responsible for the loss or damage of any departmental materials during transit and in the execution of the work due to reasons what-so-ever and the cost of such materials will be recovered from the bills at stock issue rates or market rates whichever is higher.
49. If the bidder removes Government materials supplied to him from the site of work with a view to dispose of the same dishonestly, he shall be in addition to any other liability civil or criminal arising out of his contract be liable to pay a penalty equivalent to five times of the price of the materials according to the stock issue rate or market rate whichever is higher. The penalty so imposed shall be recovered at any time from any sum that may then or at any time thereafter become due to the bidder or from his security deposit or from the proceeds of sale thereof.
50. The selected bidder may take delivery of departmental supply according to his need for the work issued by the office in-charge subject to the availability of the materials. The bidder shall make all arrangement for proper storages of materials but no cost for raising shed for storage, pay of watchman etc. will be borne by the Department. The Department is not responsible for considering the theft of materials at site. It is the contractor's risk. Under any such plea if the bidder stops the work, he shall have to pay the full penalty as per clause of P-1 agreement.
51. The Department will have the right to supply at any time in the interest of work any departmental materials to be used in the work and the contractor shall use such materials without any controversy or dispute on that account. The rate of issue of such materials will be at the stock issue rates inclusive of storage charges or rates fixed by the Department or current market rate whichever is higher.

52. All the materials which are to be supplied from store will be as per availability of stock and the contractor will have to bear the charges of straightening, cutting, jointing, welding etc. to required sizes in case of M.S. Rods or steel /M.S Angles, Tees and Joists etc. All the materials required should be purchased from Govt. approved store and the purchased materials may be under custody of contractor and contractor will be responsible for its safety and storage.
53. The contractor must have to arrange by themselves cement, steel, bitumen and every sort of materials from approved manufacturer, get it tested in the Departmental Laboratory and approved by the Department before use.
54. Nothing will be supplied by the Forest Department from its store for the work.
55. The contractor should at his own cost arrange necessary tools and plants required for the efficient execution of work and the rates quoted should be inclusive of the running charges of each plant and cost of conveyance.
56. After completion of the work the contractor shall arrange at his own cost all requisite equipments for testing one unplugged well and specified span free of cost as directed by the Range Officer and bear the entire cost of the test.
57. No extra payment will be made for the site clearance for taking earth from the borrow areas. Earth work from cutting shall be economically utilized in filling.
58. Concrete of strength below of the required strength (as determined by actual tests) shall not be accepted.
59. After completion of the work, the contractor shall arrange at his own cost all requisite equipments for testing of electrical installations in the building, if felt necessary and the entire cost of such test, including the inspection by the Electrical Inspectorate group will be borne by the contractor.
60. The safety certificate of the EI work will be furnished by the agencies after getting necessary verification from the electrical inspector/equally competent authority responsible for the work prior to Energization of the building.
61. The depth of foundation indicated on the drawing are provisional but these may be altered if necessary in the light of the nature of strata encountered during soil test at field which must be taken in advance of actual execution of the foundation.
62. Wherever dewatering is imperatively necessary, the term dewatering shall mean the execution or operation of the items due to standing water as well as due to percolation of water. The contractor has to do dewatering by bailing out water from the foundation, pipeline trenches, septic tank/soak pits/sumps/manhole etc either rain water or sub soil water if necessary within his quoted percentage rate.
63. No claim for carriage of water what-so-ever will be entertained.
64. Odisha Construction Corporation Ltd. Will be allowed price preference up to 3% over the lowest quotation or tender as laid down in works and Transport Department Resolution No-285 date-17.04.1974. The Odisha Bridge and Construction Corporation will also be allowed a price preference to the extent of upto 3% over the lowest tender amount (Where their tender is not the lowest) provided they express willingness to execute the work after reduction of rates by negotiation.
65. **Amendment of existing Clauses:-**By admission of a tender for the work, a tenderer will be deemed to have satisfied himself by actual inspection of the site and locality of the work, about the quality and availability of the required quantity of material including the wheat/rice referred to above, medical aid, labour and food stuff etc. and that rates quoted by him in the tender will be adequate to complete the work according to the specifications attached there to and that he had taken into account all conditions and difficulties that may be countered during its progress and to have quoted rates including labour and materials with taxes, octroi, other duties, lead, lifts, loading and unloading, freight or all materials and all other charges necessary for the completion of the work, to the entire satisfaction of the Engineer-in-Charge of the work and his authorized subordinates. After acceptance of the contract rate Government will not pay any extra charges for any reason incase the contractor claims later onto have misjudged as regard availability of materials, labour and other factors.
66. The prevailing percentage of I.T. Department of the gross amount of the bill towards income tax will be deducted from the contractor's bill.
67. Prevailing rate of GST on the gross amount of the bill will be deducted from the contractor's bill, The contractor is required to pay royalty to Govt. as fixed from time of time and produce such documents in support of their

payment to the concerned Executive Engineer with their bills, falling which the amount towards royalties of different materials as utilized by them in the work will be recovered from their bills and deposited in the revenue of concerned department.

68. CESS @1(one)% of the amount of the estimated cost as per Tender notification read with latest corrigendum if any will be proportionately deducted from the Contractor's bill at the time of making payment of each bill.
69. Under no circumstances interest is chargeable for the dues or additional dues if any payable for the work.
70. Under section 12 of contractors labour (Regulation and Abolition) Act.1970 the contractor who undertakes execution of work through labour should produce valid license from licensing authorities of labour Department.
71. **Sample of all material**—The contractor shall supply sample of all materials fully before procurement for the work for testing and acceptance as may be requiring by the concerned Executive Engineer.
72. Any defects, shrinkage or other faults which may be noticed within **12(twelve) months** from the completion of the work arising out of defective or improper materials or workmanship timing are up on the direction of the Engineer-in-Charge to be amended and made good by the contractor at his own cost unless the Engineer for reasons to be recorded in writing shall be decided that they ought to be paid for and in case of default Department may recover from the contractor the cost of making good the works. The defect liability period for the work is **12(twelve) calendar months** from the date of successful completion of the work.
73. From the commencement of the works to the completion of the same, they are to be under the contractors charge. The contractor is to be held responsible to make good all injuries, damages and repairs occasioned or rendered necessary to the same by fire or other causes and they hold the Govt. of Odisha harmless for any claims for injuries to person or structural damage to property happening from any neglect, default, want of proper care or misconduct on the part of the contract or any one in his employment during the execution of the work. Also no claim shall be entertained for loss due to earthquake, flood, cyclone, epidemic, riot or any other calamity whether natural or incidental damages so caused will have to be made good by the contractor at his own cost.

74. **ADDENDUM TO THE CONDITION OF PI CONTRACT**

**Clause-2(a) of P-1 Contract:-TIME CONTROL (Vide Works Department Office Memo random No.24716 dt.24.12.2005 and No.8310 dt.17.05.2006):-**

**2.1. Progress of work and Re-scheduling programmed.**

- 2.1.1. The Divisional Forest Officer shall issue the letter of acceptance to the success falcon tractor. The issue of the letter of acceptance shall be treated as closure of the Bid process and commencement of the contract.
- 2.1.2. Within 15 days of issue of the letter of acceptance, the contractor shall submit other Engineer-in-Charge for approval Programmed commensurate to **Clause No.2 .1, 3 of P-1 Contract** showing the general methods, arrangements, and timing for all the activities in the Works a long with monthly cash flow forecast.
- 2.1.3. To ensure good progress during the execution of the work the contract or shall be bound in all cases in which the time all owed for any work exceed son month to complete,  $1/4^{\text{th}}$  of the whole time allowed under the contract has elapsed,  $1/2$  of the whole of the work before  $1/2$  of the whole time allowed under the contract has elapsed,  $3/4^{\text{th}}$  of the whole of the work before  $3/4^{\text{th}}$  of the whole time all owed under the contract has elapsed. If at any time it should appear the Range Officer that the actual process of the work does not conform to the programme to which consent has been given the Contractor shall produce, at the request of the Range Officer a revised programme showing the modification slouch programme necessary to ensure completion of the works within the time for completion. If the contractor does not submit an updated Programme within this period, the Range Officer under intimation to DFO may with hold the amount of 1% of the contract value from the next payment certificate and continue to with hold this amount until the next payment after the date on which the overdue Programme has been submitted.
- 2.1.4. An update of the Programme shall be a programme showing the actual progress achieved on each activity and the effect of the progress achieved on the timing of the remaining work including any Changes to the sequence of the activities.

**2.2 Extension of the Completion Date.**

2.2.1 The time allowed for execution of the works as specified in the Contract data shall be the essence of the Contract. The execution of the works shall commence from the 15<sup>th</sup> day or such time period as mentioned in letter of Award after the date on which the DFO issues written orders to commence the work or from the date of handing over of the site whichever is later. If the Contractor commits default in commencing the execution of the work as aforesaid, Government shall without prejudice to any other right or remedy available in law, bear liberty to forfeit the earnest money & performance guarantee / Security deposit absolutely.

2.2.2 As soon as possible after the Contract is concluded the Contractor shall submit the Time & Progress Chart for each mile stone and get it approved by the Department. The Chart shall be prepared in direct relation to the time stated in the Contract documents for completion of items of the works. It shall indicate the forecast of the date so commencement and completion various trades of section of the work and may be amended as necessary by agreement between the DFO and the Contractor within the limitations of time imposed in the contract documents, and further to ensure good progress during the execution of the work, the Contractor shall in all cases in which the time allowed for any work, exceeds one month (save for special jobs for which a separate programme has been agreed upon) complete the work as per mile stone given in contract data.

2.2.3 In case of delay occurred due to any of the reasons mentioned below, the Contractor shall immediately give notice thereof in writing to the Engineer-in-Charge but shall nevertheless use constantly his best endeavors to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the Engineer-in-Charge to proceed with the works.

- i) Force majeure, or
- ii) Abnormally bad weather, or
- iii) Serious loss or damage by fire, or
- iv) Civil commotion, local commotion of workmen, strike or lockout affecting any of the trades employee doing the work, or
- v) Delay on the part of other contract or so trade's men engaged by Engineer-in-Charge in executing work not forming part of the Contract.
- vi) In case a Variation is issued which makes it impossible for Completion to be achieved by the Intended Completion Date without the Contractor taking steps to a creel rate the Remaining work and which would cause the Contractor to incur additional cost, or
- vii) Any other cause, which, in the absolute discretion of the authority mentioned, in Contract data is beyond the Contractor's control.

2.2.4 Request for reschedule and extension of time, to be eligible for consideration, shall be made by the Contractor in writing within fourteen days of the happening of the event causing delay. The Contractor may also, if practicable, indicate in such a request the period for which extension is desired.

2.2.5 In any such case a fair and reasonable extension of time for completion of work may be given. Such extension shall be communicated to the Contractor by the Range Officer in writing, within 3 months of the date of receipt to such request. Non-application by the contractor for extension of time shall not be a bar for giving a fair and reasonable extension by the Range Officer and this shall be binding on the contractor.

**2.3: Compensation for Delay.**

2.2.6 If the Contractor fails to maintain the required progress in terms of clause 2 of P-1 Contract or to complete the work and clear the site on or before the contract or extended date of completion, he shall, without prejudice to any other right or remedy available under the law to the Government on account of such breach, pay as agreed compensation the amount calculated at the rates stipulated below as the Superintending Engineer (whose decision in writing shall be final and binding) may decide on the amount of tendered value of the work for every completed day / month (as applicable) that the progress remains below that specified in Clause 2 of P-1 Contract or that the work remains incomplete.

This will also apply to items or group of items for which a separate period of completion has been specified. Compensation @ 1.5% per month for delay of work, delay to be completed on per day basis. Provided always that the total amount of compensation for delay to be paid under this condition shall not exceed 10% of the Tendered Value of work.

The amount of compensation may be adjusted or set-off against any sum payable to the Contract or under this or any other contract with the Government. In case, the contract or does not achieve a particular mile stone mentioned in contract data.( which his in this case the original work programmed furnished by the Contractor and approved by the Range Officer which formed a part of agreement)or the rescheduled mile stone (s) in terms of Clause 2. 5 of P-1 Contract, the amount shown against that milestone shall be with held, to be adjusted against the compensation levied at the final grant of extension of time. With holding of this amount on failure to achieve a mile stone, shall be automatic without any notice to the contractor. However, if the contractor catches up with the progress of work on the subsequent milestone(s) the withheld amount shall be released. In case the contract or fails to make up for the delay in subsequent mile stone(s), amount mentioned against each milestone missed subsequently also shall be with held. However no interest what so ever shall be pay able on such with held amount.

#### 2.4. Management Meetings.

2.4.1. Either the Engineer or the Contractor may require the other to attend a management meeting. The business of a management meeting shall be to review the plans for remaining work and to deal with matters raised in accordance with the early warning procedure.

2.4.2. The ACF, Brahampur shall record the business of management meetings and is to provide copies of his record to those attending the meeting and to the Employer. The responsibility of the parties for actions to be taken to be decided by the DFO either at the management meeting or after the management meeting and stated in writing to all who attended the meeting.

#### **Clause-2 (b) of Percentage Rate P-1 Agreement:- Rescission of Contract (Amendment as per letter No. 10639 dt.27.05.2005 of Works Department, Odisha):-**

To rescind the contract (of which rescission notice in writing to the contractor under the hand of the Executive Engineer shall be conclusive evidence), 20% of the value of left overwork will be realized from the contractor as penalty.

75. A Contract or may be blacklisted as per amendment made to Appendix XXXIV to OPWD-Code Vol.-II on rules for black listing of Contractors vide letter no.3365 dt.01.03.2007of Works Department, Orissa.

As per said amendment a Contract or may be black listed

- (i) Misbehavior/ threatening of Departmental & supervisory officers during execution of work/tendering process.
- (ii) Involvement in any sort of tender fixing.
- (iii) Constant non- achievement of milestones on in sufficient and imaginary grounds and non-adherence to quality specifications despite being pointed out.
- (iv) Persistent and intentional violation of important conditions of contract.
- (v) Security consideration of the State i.e. any action that jeopardizes the security of the State. Submission of false /fabricated /forged documents for consideration of a tender.

76. **EIGIBILITY CRITERIA:-To be eligible for qualification, applicants shall furnish the followings.**

a. Hard Copy of valid Registration Certificate, Valid GST certificate, PAN card along with the tender Documents as per the DTCN,

b. Information in hard copy regarding current litigation, debarring /expelling of the applicant or abandonment of work by the applicant in schedule "E" and affidavit to that effect including authentication of tender documents and Bank guarantee in schedule "F".

5. A Contract or may be blacklisted as per amendment made to Appendix XXXIV to OPWD Code Vol.-II on rules for black listing of Contractors vide letter no.3365 dt.01.03.2007 of Works Department, Orissa. As per said amendment a Contract or may be black listed

- (i) Misbehavior/ threatening of Departmental & supervisory officers during execution of work/tendering process.
- (ii) Involvement in any sort of tender fixing.
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- (iv) Persistent and intentional violation of important conditions of contract.
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- b. Information in hard copy regarding current litigation, debarring /expelling of the applicant or abandonment of work by the applicant in schedule "E" and affidavit to that effect including authentication of tender documents and Bank guarantee in schedule "F".

**Submission of tender paper cost as per the DTCN:-**

- (a) The total value of only civil engineering construction work performed in the last three financial year with certificate from the Chartered Accountant is to be furnished for the purpose of evaluation of Bid Capacity as per clause No. 12 of the DTCN.
- (b) The statement as per **Schedule-G** showing the value of existing commitments and ongoing works as well as the stipulated period of completion remaining for each of the works should be counter signed by the Engineer-in-Charge not below the rank of an Executive Engineer.
- (c) The agency who do not possess any civil engineering construction work in hand at the expected time of bidding need to upload the fact **in shape of an affidavit** for consideration of the Bid Capacity during Technical Evaluation.

**Non-furnishing of the above documents, the bid will be liable for summarily rejection.**

**Defect Liability:-**

The Engineer shall give notice to the contractor of any defects before the end of the defects liability period, which begins at completion of the work and continues for next **12 months**. The defects liability period shall be extended for as long as defects remain to be corrected. Every time notice of defect is given, the contractor shall correct the notified defect within the length of time specified by the Engineer's notice. If the contractor has not corrected a defect within the time specified in the Engineer's notice. The Engineer will assess the cost of having the defects corrected and the contractor will pay the amount.

Approved  
  
Divisional Forest Officer,  
Brahampur Forest Division.

ANNEXURE- A

TECHNICAL BID

1. Name of Tendering Civil Work Contractor with address (Block Letter) :
2. Name of the Proprietor/ Partner/ Director :
3. Full Address of Registered Office Proof of Address to be furnished :
4. Address for correspondence (If other than in 3) :
5. Contact No. and E-Mail ID of Authorized Officer/Person :
6. PAN No. (please furnish document) :
7. GST details (please furnish document) :
8. Works Department License :
9. Contractor Registration No. (Please furnish document) :
10. Experience as a contractor (Proof of experience to be enclosed work orders and completion certificates) :
11. Company Profile :
12. Income tax returns of the company/ Firms for the last three years (Copies) :
13. Balance sheet last three years (Copies) :
14. Aadhar Card No. (Xerox copy) :

Certified that the information as above is true to be best of my knowledge & I will be held responsible if anything to the Contrary/ Adverse will be observed in future.

☞ Full Signature of Applicant/Authorized Person

Date –

Place –



**ANNEXURE-B**

**FINANCIAL BID**

**CHEACK LIST FOR FINANCIAL BID FOR CONSTRUCTION OF BUILDINGS (INTERNAL VIGILANCE FORESTER AND FOREST GUARD QUARTERS) IN BERHAMPUR FOREST DIVISION. BERHAMPUR**

Sl No	Name of the Firm	Name of the Work	Estimated Cost	Less/More	Percentage

**CHECK LIST TO BE FILLED UP BY THE BIDDER**

Sl. No	Particulars	Whether furnished		Reference to Page no
		Yes	No	
01.	Tender Cost for work @ Rs. 6000/- (Non-Refundable)			
02.	Copy of valid Registration Certificate			
03.	Copy of valid GST certificate			
04.	Copy of PAN Card			
05.	No Relationship Certificate in <b>Schedule-A</b>			
06.	Works Experience-			
(A)	List of projects executed that are similar in nature to the work ( <b>Schedule-D1</b> )			
(B)	Works in hand-List of projects in progress that are similar in nature to the work ( <b>Schedule-D2</b> )			
07. (A)	Information regarding current litigation, debarring/expelling of the tender or abandonment of the work by the tenderer ( <b>Schedule-E</b> )			
(B)	Affidavit ( <b>Schedule-F</b> )			

## TECHNICAL SPECIFICATION OF CIVIL PORTION OF WORK

Materials of following specification are to be used in work. The Tenderers are expected to possess and be well conversant with the following I S standard and code of practice.

1.	Cement	Will be as per I.S.269/255 (However the grade of cement to be selected by the Engineer -in-Charge of work and complex cube test before common cement of work in each batch).
2.	Steel	I.S.432 (Plain) and 1785 (Ton)
3.	Vibrator	I.S.7246
4.	Aggregate	I.S.383,I.S.515
5.	Water for mixing and curing	Shall be clean, free from injurious amount of oil, salt, acid, vegetable materials and other substances and harmful to concrete in conformity to I.S.456 and I.S.2025.
6.	Sand/Fine Aggregate	I.S.2116,383
7.	Binding wire	I.S.280 (galvanized minimum 1mm)
8.	Rain water pipe	I.S.2527
9.	Construction joints	I.S.3414
10.	Steel Window Frame	I.S.1038/83
11.	Steel Door Frame	I.S.4351/75
12.	Fitting & Fixtures for journey works	Conforming to I.S.7452/82 strictly conform to I.S. specification and as per direction of Engineer-in-Charge.

### ITEM OF WORK

- a. Concrete shall be with conformity to I.S.456.
- b. Foundation shall be with conformity to I.S.1080.
- c. Stone masonry (R.R.) shall be with conformity to I.S.1597(Part-I)
- d. C.R. Masonry shall be with conformity to I.S.1597.
- e. Brickmasonry shall be with conformity to I.S.2212.
- f. Cement plastering shall be with conformity to I.S.9103 & 6925.
- g. Mortar shall be with conformity to I.S.2250
- h. White and color washing shall be with conformity to I.S.6278.
- i. C C in foundation shall be with conformity to I.S.2571.
- j. Anti-Termite Treatment shall be with conformity to I.S.6813.(Part-I & Part-II)
- k. Painting to all surfaces shall be with conformity to I.S.2395(Part-I & Part-II)
- l. DPC shall be with conformity to I.S.3067
- m. Tarfelt treatment shall be with conformity to I.S.1346
- n. Tile flooring with conformity to I.S.2114
- o. Steel painting shall be with conformity to I.S.1477 (Part-I&Part-II)I.S.1661

**Note: The contractor shall ensure basic sanitary and electrical connections/ fittings within the cost of the contract. The make and model of the materials must be furnished in the schedule of quantities to be proposed.**

CERTIFICATE OF NO RELATIONSHIP

I/ We here by certify that I /We\* am /are \* **related** / **not related** (\*) to any officer of Forest Department and any officer of the rank of Assistant / Under Secretary and above of the Forest Department, Govt. of Odisha. I /We \* am / are\* aware that, if the facts subsequently proved to be false, my / our\* contract will be rescinded with forfeiture of security deposit and I/ We \* shall be liable to make good the loss or damage resulting from such cancellation.

I/ We also note that, non-submission of this certificate will render my/ our tender liable for rejection.

(\*)-Strike out which is not applicable

Signature of the  
Tenderer Date:-

**[SCHEDULE-D1]**

**WORKING EXPERIENCE**

**D-1. LIST OF SIMILAR NATURE OF PROJECTS EXECUTED (last three years)**

Name of the Employer	Name of the location & name of the work	Contract price in INR	Items of works	Date of starting work as per agreement	Stipulated date of commencement as per agreement	Actual Date of completion of work	Reasons for delay in starting/ completion, if any

**Signature**

**[SCHEDULE-D2]**

**WORKING EXPERIENCE**

**D-2. LIST OF SIMILAR NATURE OF PROJECTS IN PROGRESS**

Name of Employer	Name of location and name of the work	Contract price in Indian Rupees	Items of works	Date of starting the work as per Agreement	Stipulated date of completion of the work as per Agreement	Revised target date of completion of the work, if any	Reasons for slow progress, if any, with the updated billing amount
1	2	3	4	5	6	7	8

**Signature**

**SCHEDULE-"E"**

INFORMATION REGARDING CURRENT LITIGATION, DEBARRING EXPELLING  
TENDERED OR ABANDONMENT OF WORK BY THE TENDERER

- |    |    |  |        |
|----|----|--|--------|
| 1. | a) | Is the tenderer currently involved in litigation relating to the works   | Yes/No |
|    | b) | If yes: give details:  |        |
| 2. | a) | Has the tenderer or any of its constituent partners be end barred/ expelled by any agency in India during the last5 years.   | Yes/No |
| 3. | a) | Has the tenderer or any of its Constituent partners failed to Perform on any contract work in India during the last 5 years. | Yes/No |
|    | b) | If yes, give details:  |        |

Note-If any information in this schedule is found to be incorrect or concealed, qualification application will be summararily be rejected.

**Signature**



**SCHEDULE-F**

**AFFIDAVIT**

1. The undersigned do hereby certify that all the statements made in the required attachments are true and correct.
2. The undersigned also hereby certifies that neither **our firm M/s \_\_\_\_\_ nor any of its constituent partners/I** have abandoned any road/ bridge/ Irrigation /Buildings or other project work in Indian or any contract awarded to us/ me for such works have been rescinded during the last five years prior to the date of this bid.
3. The undersigned hereby authorized and request (s) any bank, person, firm or Corporation of furnish pertinent information as deemed necessary and as requested by the Department to verify this statement or regarding my (our) competency and general reputation.
4. The undersigned understands and agrees that further qualifying information may be requested and agree to furnish any such information at the request of the Department.

(Signed by an Authorized Officer of the firm or Bidder)

Date:

Divisional Forest Officer,  
Brahmapur Division.



**GOVERNMENT OF ODISHA**

**DEPARTEMENT OF FOREST , ENVIRONMENT & CLIMATE CHANGE**

<b>Name of Work</b>	<b>: Construction of Office Cum Residential Building Plan (G+1) of Forest Guard Quarter (Flying Squad) under Berhampur Range</b>
<b>Name of the Scheme</b>	<b>: CAMPA (APO) 2023-24</b>
<b>Estimated Cost</b>	<b>: Rs 2408000/-</b>
<b>Name of the Range</b>	<b>: Berhampur Range</b>
<b>Name of the Divison</b>	<b>: Berhampur Division</b>
<b>Name of the District</b>	<b>: Ganjam</b>

## ABSTRACT

Sl.no.	Description of Items	UNIT	QNTY	RATE	AMOUNT Rs.
1	Earthwork in excavation in hard soil for site leveling, foundation, pits, trenches and other civil works upto and including 1.5metre lift and stacking the soil upto a lead of 100 metre and including dewatering, removing slush, shoring and strutting (as required), complete as per specification and as directed by the Engineer-In-Charge.				
a.	Hard soils.	Cum	58.35	206.80	12066.78
2	Filling in foundation trenches and plinth, with excavated earth including laying the earth in layers not exceeding 23.5 cm thick ramming & watering with all leads & lifts including cost of all labour,T&P completed as directed by the Engineer-in-charge.				
		Cum	40.84	153.30	6260.77
3	Supplying and filling sand in foundation and over areas including watering, ramming, consolidating and dressing, labours, tools, taxes etc. all complete as per the specification and direction of Engineer-In-Charge.				
		Cum	15.86	885.40	14042.44
4	Providing and laying plain cement concrete 1:4:8 (1 cement : 4 sand : 8 stone agregate 40mm nominal size) as levelling course in floor and plinth including tempering, curing, shuttering etc. complete all depth and height.				
		Cum	9.82	5352.30	52559.58

- 5 First class Fly ash **Brick masonry** using bricks of size 23 cm. x 11 cm. x 8 cm. having crushing strength not less than 75 kg. Per. Sqr. Cm. in cement mortar of mix( 1:6) with ordinary Portland slag cement(PSC) and screened & washed sand for mortar after immersing the bricks for 6 (Six) hours in water before use in **Foundation & Plinth** including splays cutting, circular moulding, corbelling, chamfering and similar such type of works, watering and curing etc. including cost, conveyance, loading, unloading, royalties and taxes of all materials, cost of all labour, scaffolding, sundries, T&P required for the works etc. complete in all respect as directed by the Engineer-in-Charge.

Cum	0.00	0.00	0.00
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- 6 First class Fly ash **Brick masonry** using bricks of size 23 cm. x 11 cm. x 8 cm. having crushing strength not less than 75 kg. Per. Sqr. Cm. in cement mortar of mix( 1:6) with ordinary Portland slag cement(PSC) and screened & washed sand for mortar after immersing the bricks for 6 (Six) hours in water before use in **Super Structure** including splays cutting, circular moulding, corbelling, chamfering and similar such type of works, watering and curing etc. including cost, conveyance, loading, unloading, royalties and taxes of all materials, cost of all labour, scaffolding, sundries, T&P required for the works etc. complete in all respect as directed by the Engineer-in-Charge.

Ground floor	Cum	24.06	5228.90	125807.81
First floor	Cum	23.98	5516.60	132288.07
Terrace floor	Cum	0.00	0.00	0.00

- 7 First class Fly ash **Brick masonry** using bricks of size 23 cm. x 11 cm. x 8 cm. having crushing strength not less than 75 kg. Per. Sqr. Cm. in cement mortar of mix( 1:4) with ordinary Portland slag cement(PSC) and screened & washed sand for mortar after immersing the bricks for 4 (Six) hours in water before use in **Super Structure** including splays cutting, circular moulding, corbelling, chamfering and similar such type of works, watering and curing etc. including cost, conveyance, loading, unloading, royalties and taxes of all materials, cost of all labour, scaffolding, sundries, T&P required for the works etc. complete in all respect as directed by the Engineer-in-Charge.

Ground floor	Cum	0.00	0.00	0.00
First floor	Cum	0.00	0.00	0.00

- 8 Providing, lifting, hoisting and laying Reinforced cement concrete of M-20 grade as per approved designs and drawings having a minimum compressive strength (in work test) 250 Kg. / Square cm. in 15 cm. cubes at 28 days after mixing and test conducted in accordance with I.S. 516 using 12 mm. to 20 mm. size black hard crushed broken granite stone chips and screened and washed sharp sand for mortar of approved quality from approved quarry, washed and cleaned ( 20mm. size chips not to exceeds 25 % ) to be mixed in concrete mixture with Portland slag cement (PSC) including hoisting, lowering, laying and compaction concrete by using vibrators, watering and curing for 28 days, centering and shuttering then after dismantling and removing debris from the work site and finishing the exposed surface smooth providing grooves or beads wherever necessary including cost, conveyance, loading, unloading, royalties and taxes of all materials and cost of all labours, sundries, T & P required of the work etc. complete in all respect as directed by the Engineer-in-Charge. But excluding cost and conveyance of M.S. rods or Tor steel and binding wires and labour charges

**Ground floor**

a) Footing	Cum	25.31	6714.00	169931.34
b) Pedestal :-	Cum	0.00	0.00	0.00
d) Column up to plinth	Cum	1.59	6569.76	10445.92
e) Plinth Beam	Cum	2.89	6569.76	18986.60
f) Column above plinth	Cum	1.77	6569.76	11628.47
g) Lintel	Cum	1.90	6569.76	12482.54
h) Chajja	Sqm	0.00	1152.70	0.00
i) Roof Beam	Cum	2.26	6569.76	14847.66

j) Slab	Cum	10.24	6569.76	67274.34
k) Stair case	Cum	0.95	6569.76	6241.27

**First floor**

f) Column	Cum	1.32	6569.76	8672.08
g) Lintel	Cum	1.90	6569.76	12482.54
h) Chajja	Sqm	0.00	1306.50	0.00
i) Roof Beam	Cum	2.26	6569.76	14847.66
j) Slab	Cum	10.97	6569.76	72070.27
k) Stair case	Cum	0.00	16108.00	0.00

**Terrace floor**

f) Column	Cum	0.00	18210.40	0.00
g) Lintel	Cum	0.00	17179.20	0.00
h) Chajja	Cum	0.00	1490.80	0.00
i) Roof Beam	Cum	0.00	18210.40	0.00
j) Slab	Cum	0.00	16236.00	0.00

- 9 Cutting, straightening coiled or bent up M.S. Rod or tor steel of SAIL/ TATA / RINL (VIZAG) make including bending, binding, welding and joining if necessary and tying the grills and placing in position as required for R.C.C. Work and for providing fan hooks as required, hoisting, lowering, laying including cost, conveyances, taxes of M.S. Rod or tor steel and binding wires of 18 to 20 gauge and labour required for the work for bending, binding and tying the grills in all floors (Linear measurement will be taken and quantity will be calculated basing on the standard weight of B.I.S. for M.S. Rods or tor steel only. Wastage if any, including weight of binding wire will not be considered for measurement) etc. complete as per specification & direction of Engineer-in-charge.

Ground floor	Qntl	20.63	10017.56	206662.26
First floor	Qntl	16.96	10043.20	170332.67
Terrace floor	Qntl	0.00	10070.10	0.00

- 10 Rigid smooth centering & shuttering For RCC work including false work and dismantling ther after casting and cost of materials etc. complete as directed by the engineer in charge.

Ground floor	Sqm	76.97	671.90	51716.14
First floor	Sqm	76.97	806.30	62080.91
Terrace floor	Sqm	0.00	#REF!	0.00

<b>11</b>	12mm cement plaster to out side of brick surfaces with cement mortar of mix 1:6 (1 cement : 6 fine sand) including necessary scaffolding, curing etc. all complete at all floors and all heights.				
	Ground floor	Sqm	91.51	160.60	14696.51
	First floor	Sqm	74.92	164.10	12294.37
	<b>Terrace floor</b>	Sqm	0.00	167.80	0.00

<b>12</b>	16mm cement plaster to inside of brick surfaces with cement mortar of mix 1:6 (1 cement : 6 fine sand) including necessary scaffolding, curing etc. all complete at all floors and all heights.				
	Ground floor	Sqm	177.29	227.10	40262.56
	First floor	Sqm	180.87	232.40	42034.19
	<b>Terrace floor</b>	Sqm	0.00	237.90	0.00

<b>13</b>	6 mm cement plaster on RCC surfaces at ceiling/slab soffit and other locations with cement mortar of mix 1:4 (1 cement : 4 coarse sand) including necessary scaffolding, curing etc. all complete at all floors and all heights.				
	Ground floor	Sqm	0.00	167.40	0.00
	First floor	Sqm	0.00	171.30	0.00
	<b>Terrace floor</b>	Sqm	0.00	175.40	0.00

<b>14</b>	Supplying, fitting & fixing of Granite Tiles of minimum Above 0.40 sqm. (20mm thick) of approved make in floors laid on 20 mm thick cement mortar (1:4) (1 cement : 4 coarse sand) and filling joints with slurry including cost of all materials, labour T&P etc. required for the work all complete incl. rubbing as per direction of the Engineer-in-charge				
	Ground floor	Sqm	58.82	2782.97	163694.29
	First floor	Sqm	58.82	2793.50	164313.67

- 15 Supplying, fitting & fixing of 10 mm thick & size of 600x600 mm Glazed Vitrified floor tiles (GVT) of matt finish(WOODEN FINISH/RUSTIC FINISH) with veilcraft (VC ) shield( Scratch free/stain free) with water absorption limit between 0.08% to 3% and conforming to IS : 15622:2006 (Group B lb). laid on 20 mm thick cement mortar (1:4) (1 cement : 4 course sand) and filling joints with white cement of approved quality including cost of all materials, labour T&P etc. required for the work all complete as per direction of the Engineer-in-charge (for New Work only )

Ground floor	Sqm	0.00	1009.15	0.00
First floor	Sqm	0.00	1019.70	0.00

- 15 Supplying, fitting & fixing of 10 mm thick & size of 600x600 mm Glazed Vitrified floor tiles (GVT) of matt finish(WOODEN FINISH/RUSTIC FINISH) with veilcraft (VC ) shield( Scratch free/stain free) with water absorption limit between 0.08% to 3% and conforming to IS : 15622:2006 (Group B lb) laid on 12 mm thick cement mortar (1:3) (1 cement : 3 course sand) jointed with slurry mixed with pigment to match the shades of the tiles etc. complete including cost of all materials, labour T&P etc. required for the work all complete as per direction of the Engineer-in-charge

Ground floor	Sqm	0.00	1116.90	0.00
First floor	Sqm	0.00	1132.80	0.00



16	Supplying, fitting & fixing of <b>10 mm thick &amp; size of 300x300 mm Ceramic floor tiles of matt finish</b> laid on 20 mm thick cement mortar (1:4) (1 cement : 4 course sand) and filling joints with white cement of approved quality including cost of all materials, labour T&P etc. required for the work all complete as per direction of the Engineer-in-charge (for New Work only)				
	Ground floor	Sqm	0.00	710.69	0.00
	First floor	Sqm	0.00	721.20	0.00
17	Supplying, fitting & fixing of <b>Germ free Ceramic wall tiles of premium grade of size 600x300mm having thickness 6.5mm to 6.7mm confirming to IS 13753</b> in dadoes, skirting and risers of steps laid on 12 mm thick cement mortar (1:3) (1 cement : 3 course sand) jointed with slurry mixed with pigment to match the shades of the tiles etc. complete including cost of all materials, labour T&P etc. required for the work all complete as per direction of the Engineer-in-charge				
	Ground floor	Sqm	0.00	773.90	0.00
	First floor	Sqm	0.00	789.80	0.00
18	Providing and fixing seasoned sal wood work in frames at any locations including doors, windows, cupboard, clerestory and other frames fixing in position including cost of hinges, M.S. flat (30mm x 6mm) hold fasts lugs or dash fasteners of required dia and length as per drawing / specification, at all floors and all heights.				
	Ground floor	Cum	0.53	85425.10	45275.30
	First floor	Cum	0.58	85425.10	49546.56
19	Factory made 30mm/32mm flush door shutter (Laminates both side of frame) with all labour, iron fittings, and wooden hinged cleats etc fitted and fixed complete in all respect				
	Ground floor	Sqm	0.00	3577.70	0.00
	First floor	Sqm	0.00	3577.70	0.00

20 Supplying Fitting, fixing up fully glazed aluminium framed window (sliding type) made up aluminium section 9778 as window frame, section 4095, 4096 and 9777, 3994 as shutter frame with 5mm black glass as panel fitted with rubber beading including locking arrangement including all fitting including cost of all materials, all taxes, labour, T&P excluding cost of glass etc. complete as per direction of the Engineer-in-charge

Ground floor	sqm	0.00	3625.70	0.00
First floor	sqm	0.00	3625.70	0.00
<b>Terrace floor</b>	Kg	0.00	3625.70	0.00

21 Supplying and Fixing of **M.S. Grills, M.S.Doors, M.S. Gate** etc including cost, conveyance of all materials, priming and labour for fitting fixing etc. complete as per the instruction of Engineer-in-Charge

Ground floor	Kg	0.00	66.50	0.00
First floor	Kg	0.00	66.50	0.00
<b>Terrace floor</b>	Kg	0.00	66.50	0.00

22 Priming one coat with wall cement primer (water bound) to make an even finished surface in all floors and heights to wall surface of approved make and shade including sand papering, applying putty wherever necessary & cost of scaffolding, staging charges with cost, conveyance, taxes of all materials, cost of all labour, labour cess T&P etc. complete as per the direction of the Engineer-in-charge.

Ground floor	Sqm	327.62	67.90	22245.40
First floor	Sqm	314.60	69.50	21864.70
<b>Terrace floor</b>	Sqm	0.00	71.10	0.00

23 Painting two coats with approved anti-fungal weather seal paints (ISI) of approved colour, shade on wall surface over a coat of wall primer (ISI) water bound including sand papering, polishing the surface, cost, conveyances of all materials and cost of all labour, labour cess with T&P etc, complete as per specification & direction of Engineer-in-charge.

Ground floor	Sqm	327.62	80.10	26242.36
First floor	Sqm	314.60	82.70	26017.42
<b>Terrace floor</b>	Sqm	0.00	85.50	0.00

- 24 Finishing plastered surfaces of walls with cement based wall putty (Water based) of approved make and finishing the surface smooth and even by sand papering to receive painting in walls, at all heights with staging wherever necessary with cost, conveyance, taxes of all materials, cost of all labour, labourcess, all T&P etc. required for the work complete in all respect as per the direction of the Engineer-in-charge.

Ground floor	Sqm	0.00	76.00	0.00
First floor	Sqm	0.00	76.00	0.00
<b>Terrace floor</b>	Sqm	0.00	76.00	0.00

- 25 Painting two coats with approved plastic emulsion paint over a coat of wall primer of make Dulux / Berger / Asian to inside surface of walls finished with Acrylic Wall putty (water based) of make (Birla / JK) and finished smooth & even surface to receive painting using roller to the final coat including cost of scaffolding staging charges with cost, conveyances, taxes of all materials, cost of labour, T&P required for the work etc. complete for all floors as per specification & direction of the Engineer-in-charge.

Note :- Sample of Paint & Primer shall be approved before procurement and use.

Ground floor	Sqm	0.00	92.90	0.00
First floor	Sqm	0.00	94.60	0.00
<b>Terrace floor</b>	Sqm	0.00	96.30	0.00

- 26 Painting two coats with approved Enamel Paint on wood work over a coat of Wood Primer in Ground Floor

Ground floor	Sqm	0.00	209.24	0.00
First floor	Sqm	0.00	214.56	0.00

- 27 Painting two coats with approved Enamel Paint on Steel work in Ground Floor

Ground floor	Sqm	0.00	146.70	0.00
First floor	Sqm	0.00	150.50	0.00
<b>Terrace floor</b>	Sqm	0.00	154.30	0.00

**1882195.45**

Say Rs. **1882195.00**

A) Ground Floor		Rs	1093370.34
Add for door and window		Rs	50000.00
<b>Total</b>		Rs.	<b>1143370.34</b>

B) First Floor		Rs	788825.11	
Add for door and window		Rs	50000.00	
	Total	Rs.	<u>838825.11</u>	
	Total	Rs.	1982195.45	
	Or Say	Rs.	1982195.00	
Add Gst 18%		Rs.	<u>356795.00</u>	
	Total	Rs.	<u>2338990.00</u>	
Add Electrification		Rs.	30000.00	
Add P.H. & Sanitary Works		Rs.	<u>39010.00</u>	
Twenty Four Lakh Eight Thousand Only	G. Total	Rs.	2408000.00	
		Or Say	24.08	Lakhs

*[Signature]*  
 SIGN. OF TECHNICAL CONSULTANT  
 SAMAGRA SIKHYA, GANJAM  
 BE in Civil Engg  
 Dist. Project Co-ordinator  
 Samagra Sikhya Ganjam  
 Sanakhemundi Block

*[Signature]*  
 Asst. Conservator of Forest  
 Asst. Conservator of Forest  
 i/c Berhampur Range  
 i/c Berhampur Range

Certified that The Estimate has been prepared as per the revised GST schedule of Rate of 2017 and current labour wages and 1% labour cess & GST 18% included in analysis .The supervision charges has not been included during preparation of the Estimate.

On request

*[Signature]*  
 SIGN. OF TECHNICAL CONSULTANT  
 SAMAGRA SIKHYA, GANJAM  
 BE in Civil Engg  
 Dist. Project Co-ordinator  
 Samagra Sikhya Ganjam  
 Sanakhemundi Block

*[Signature]*  
 Asst. Conservator of Forest  
 Asst. Conservator of Forest  
 i/c Berhampur Range  
 i/c Berhampur Range

## ESTIMATE

### ESTIMATE OF CONSTRUCTION OF OFFICE CUM RESIDENTIAL BUILDING PLAN (G+1) OF FOREST GUARD QUARTER( FLYING SQUAD ),UNDER BERHAMPUR RANGE.

#### Ground Floor

- 1 Earth work in excavation of foundation in hard soil or gravelly soil within 50m initial lead and 1.50m initial lift including rough dressing breaking clods to maximum 5cm to 7cm & laying in layers not exceeding .0.3m depth and as per direction of the Engineer-in-Charge

Long Wall	4	x	25' 6"	x	3' 0"	x	4' 0"	=	1224.00	cft		
Short Wall	3	x	19' 3"	x	3' 0"	x	4' 0"	=	693.00	cft		
Column	9	x	2' 0"	x	2' 0"	x	4' 0"	=	144.00	cft		
									<u>2061.00</u>	Cft		
									or	58.35	Cum	
								@	Rs	206.80	Rs.	12066.78

- 2 Filling in foundation trenches and plinth, with excavated earth including laying the earth in layers not exceeding 23.5 cm thick ramming & watering with all leads & lifts including cost of all labour, T&P completed as directed by the Engineer-in-charge.

2/3rd of Excavation	0.7	x							58.35	cum		
									<u>40.84</u>	cum		
								@	Rs	153.30	Rs.	6260.77

- 3 Filling foundation & plinth with sand watered and rammed including cost of sand and labour etc. complete as directed by the Engineer in charge.

Long Wall	4	x	25' 6"	x	3' 0"	x	0' 6"	=	153.00	cft		
Short Wall	3	x	19' 3"	x	3' 0"	x	0' 6"	=	86.63	cft		
Column	9	x	2' 0"	x	2' 0"	x	0' 6"	=	18.00	cft		
Basement of Room	1	x	5' 9"	x	10' 0"	x	0' 6"	=	28.75	cft		
	1	x	13' 3"	x	10' 0"	x	0' 6"	=	66.25	cft		
	3	x	10' 10"	x	10' 0"	x	0' 6"	=	162.50	cft		
	1	x	9' 0"	x	10' 0"	x	0' 6"	=	45.00	cft		
									<u>560.13</u>	Cft		
									or	15.86	Cum	
								@	Rs	885.40	Rs.	14042.44

- 4 Cement concrete (1:4:8) using 40mm. and down graded H.G. hand broken metal including cost carriage, royalty taxes of all materials with all labour, T&P required etc. complete as directed by the Engineer in charge.

Long Wall	4	x	25' 6"	x	2' 6"	x	0' 4"	=	85.00	cft	
Short Wall	3	x	19' 3"	x	2' 6"	x	0' 4"	=	48.13	cft	
Column	9	x	2' 0"	x	2' 0"	x	0' 4"	=	12.00	cft	
Basement of Room	1	x	5' 9"	x	10' 0"	x	0' 4"	=	19.17	cft	
	1	x	13' 3"	x	10' 0"	x	0' 4"	=	44.17	cft	
	3	x	10' 10"	x	10' 0"	x	0' 4"	=	108.33	cft	
	1	x	9' 0"	x	10' 0"	x	0' 4"	=	30.00	cft	

							346.79 Cft
							or 9.82 Cum
						@ Rs	5352.30 Rs. 52559.58

**5 Cement Concrete (1:1.5:3) using 12mm size CBHG chips**

<b>Column Footing</b>	9 x	2' 0" x	2' 0" x	1' 3"	=	45.00 cft
	9 x	1' 0" x	1' 0" x	1' 3"	=	11.25 cft
						<u>56.25</u> cft
						1.59 Cum

@ Rs 6569.76 Rs. 10445.92

**6 R.R. Stone masonry in C.M (1:6) in foundation and plinth including carriage etc. complete as directed by the engineer in charge.**

<b>1st Footing</b>	4 x	25' 6" x	3' 0" x	1' 6"	=	459.00 cft
	3 x	19' 3" x	2' 0" x	1' 6"	=	173.25 cft
<b>2nd Footing</b>	4 x	25' 6" x	2' 0" x	1' 0"	=	204.00 cft
	3 x	19' 3" x	1' 0" x	1' 0"	=	57.75 cft
						<u>894.00</u> Cft
						25.31 Cum

@ Rs 6714.00 Rs. 169931.34

**7 K.B Brick masonry in cement mortar (1:6) in superstructure using K.B. Bricks of 9" size.**

<b>Long Wall</b>	4 x	22' 3" x	0' 9" x	9' 3"	=	617.44 Cft
<b>Short Wall</b>	1 x	5' 9" x	0' 5" x	7' 0"	=	16.77 Cft
	3 x	29' 0" x	0' 9" x	9' 3"	=	603.56 Cft
						<u>1237.77</u> Cft

**Deduction**

<b>Column</b>						62.44 Cft
<b>lintel</b>						67.20 Cft
<b>Grill</b>	1 x	9' 0" x	0' 9" x	7' 0"	=	47.25 Cft
<b>D</b>	5 x	3' 6" x	0' 9" x	7' 0"	=	91.88 Cft
<b>D2</b>	2 x	2' 6" x	0' 9" x	7' 0"	=	26.25 Cft
<b>W</b>	5 x	5' 0" x	0' 9" x	4' 0"	=	75.00 Cft
<b>W1</b>	1 x	3' 0" x	0' 9" x	4' 0"	=	9.00 Cft
<b>V</b>	3 x	2' 0" x	0' 9" x	2' 0"	=	9.00 Cft
						<u>388.02</u> Cft
						849.75 Cft
						24.06 Cum

@ Rs 5228.90 Rs. 125807.81

**8 R.C.C work M-20**

**a Plinth Beam**

	4 x	22' 3" x	0' 9" x	0' 9"	=	50.06 Cft
	1 x	5' 9" x	0' 9" x	0' 9"	=	3.23 Cft
	3 x	29' 0" x	0' 9" x	0' 9"	=	48.94 Cft
						<u>102.23</u> Cft
						2.89 cum

@ Rs 6569.76 Rs. 18986.60

**b Column**

	12 x	0' 9" x	0' 9" x	9' 3"	=	62.44 Cft
						<u>1.77</u> Cum

@ Rs 6569.75 Rs. 11628.47

**c Lintel**

	4 x	22' 3" x	0' 9" x	0' 6"	=	33.38 Cft
	1 x	5' 9" x	0' 5" x	0' 6"	=	1.20 Cft
	3 x	29' 0" x	0' 9" x	0' 6"	=	32.63 Cft
						<u>67.20</u> Cft
						1.00 Cum

				@	Rs	6569.76	Rs.	12482.54
<b>d Roof slab</b>								
	1 x	36' 0" x 26' 3" x 0' 5"	=			387.45	Cft	
Deduct opening								
	1	3' 0" x 8' 9" x 0' 5"	=			10.76	Cft	
	1	3' 0" x 4' 2" x 0' 5"	=			5.12	Cft	
	1	3' 0" x 7' 11" x 0' 5"	=			9.73	Cft	
						<u>361.84</u>	Cft	
						10.24	Cum	
				@	Rs	6569.76	Rs.	67274.34
<b>e Beam</b>								
	3 x	36' 0" x 0' 9" x 0' 6"	=			40.50	Cft	
	4 x	26' 3" x 0' 9" x 0' 6"	=			39.38	Cft	
						<u>79.88</u>	Cft	
						2.26	Cum	
				@	Rs	6569.76	Rs.	14847.66
<b>f Stair</b>								
Waste Slab	1 x	3' 0" x 20' 10" x 0' 4"	=			20.62	cft	
Steps	0.50 x 21 x	3' 0" x 0' 10" x 0' 6"	=			13.07	cft	
						<u>33.69</u>	Cft	
						0.95	Cum	
				@	Rs	6569.76	Rs.	6241.27
<b>9 Tor steel reinforcement bars in R.C.C works</b>								
		100% avg. Volume of R.C.C work						
		$20.01 \times \frac{100.0}{97}$	=			20.63	qntl	
				@	Rs	10017.56	Rs.	206662.26
<b>10 Rigid Smooth Centering &amp; Shuttering For R.C.C Work including False Work And dismantling ther after casting and cost of materials etc.complete as directed by the engineer in charge</b>								
	1 x	24' 9" x 34' 6"	=			853.87	Sft	
Deduct opening			=			25.61	Sft	
						<u>828.26</u>	Sft	
						76.97	Smt	
				@	Rs	671.90	Rs.	51716.14
<b>11 16mm thick cement plaster in cm (1:6) finished smooth to brick masonry including racking out joints including watering, curing, cost, conveyance, taxes, royalties, labour with T&amp;P etc. complete in all in side</b>								
	6 x	20' 9" x 9' 3"	=			1151.63	Sft	
	2 x	5' 9" x 7' 0"	=			80.50	Sft	
	4 x	30' 6" x 9' 3"	=			1128.50	Sft	
						<u>2360.63</u>	Sft	
<b>Deduction</b>								
Grill	1 x	9' 0" x 7' 0"	=			63.00	Sft	
D	8 x	3' 6" x 7' 0"	=			196.00	Sft	
D2	4 x	2' 6" x 7' 0"	=			70.00	Sft	
W	5 x	5' 0" x 4' 0"	=			100.00	Sft	

W1	1 x	3' 0 "	x	4' 0 "	=	12.00	Sft	
V	3 x	2' 0 "	x	2' 0 "	=	12.00	Sft	
						<u>453.00</u>	Sft	
						1907.63	Sft	
						177.29	Sqm	
					@ Rs	227.10	Rs.	40262.56

12 20mm thick cement plaster (1:6) finished smooth to brick or stone masonry after racking out joints, including watering, curing, cost, conveyance, taxes, royalties & labour with T&P etc. complete.

Outer Plastering

	2 x	22' 3 "	x	11' 3 "	=	500.63	Sft	
	2 x	32' 0 "	x	11' 3 "	=	720.00	Sft	
						<u>1220.63</u>	Sft	
<b>Deduction</b>								
Grill	1 x	9' 0 "	x	7' 0 "	=	63.00	Sft	
D	2 x	3' 6 "	x	7' 0 "	=	49.00	Sft	
W1	1 x	3' 0 "	x	4' 0 "	=	12.00	Sft	
W	5 x	5' 0 "	x	4' 0 "	=	100.00	Sft	
V	3 x	2' 0 "	x	2' 0 "	=	12.00	Sft	
						<u>236.00</u>	Sft	
						984.63	Sft	
						91.51	Smt	
					@ Rs	160.60	Rs.	14696.51

13 Fixing of tiles in floors, Trades of steps & Landing over 25mm thick bed of cement mortar 1:1 jointed with cement slurry mixed with pigments to match the shade of the tiles, including rubbing & polishing etc. complete including cost, conveyance, taxes & royalties of all materials, labour with T&P complete in all respect.

Granite Tiles

Rooms	1 x	20' 9 "	x	30' 6 "	=	632.88	Sft	
						<u>632.88</u>	Sft	
						58.82	Sqm	
					@ Rs	2782.97	Rs.	163694.29

14 Dressed Seasonal Sal Wood Work Wrought & Put up, framed and fixed in burghas, rafters, and posts, including cutting grooves, drilling holes, mending to size etc. including cost of all materials & labour with T&P etc. Complete.

D	10 x	0' 3 "	x	0' 4 "	x	7' 0 "	=	5.77	cft
	10 x	0' 3 "	x	0' 4 "	x	3' 6 "	=	2.89	cft
D2	4 x	0' 2 "	x	0' 3 "	x	7' 0 "	=	1.12	cft
	4 x	0' 2 "	x	0' 3 "	x	2' 6 "	=	0.40	cft
W	10 x	0' 3 "	x	0' 4 "	x	5' 0 "	=	4.12	cft
	10 x	0' 3 "	x	0' 4 "	x	4' 0 "	=	3.30	cft
W1	2 x	0' 3 "	x	0' 4 "	x	4' 0 "	=	0.66	cft
	2 x	0' 3 "	x	0' 4 "	x	3' 0 "	=	0.49	cft
						<u>18.75</u>	cft		
						0.53	Cum		
					@ Rs	85425.10	Rs.	45275.30	



15 Priming one coat to wall surface including cost of all materials and labour with T&P etc complete in all respect.

Inside

Same as inside Plastering. Vide item no.11

Celling

Same as Out side Plastering. Vide item no.12

		1907.63	Sft	
	=	632.88	Sft	
		984.63	Sft	
		<u>3525.14</u>	Sft	
		327.62	Sqm	
@	Rs	67.90	Rs.	22245.40

16 wall painting two coats with weather coat of approved make to give an even shade etc including cost of all materials,taxes & labour with T&P etc complete in all floors as per the direction of EIC.

Same as Out side Plastering. Vide item no.15

	=	3525.14	Sft	
	=	327.62	Sqm	
@	Rs	80.10	Rs.	<u>26242.36</u>

17 Supplying, fitting, fixing of shutters wood work.(door and window)

<b>Total</b>				<b>1093370.34</b>
	LS			50000.00
<b>Total</b>	<b>Rs.</b>			<b>1143370.34</b>

## First Floor

### 18 K.B Brick masonry in cement mortar (1:6)in

superstructure using K.B. Bricks of 9" size.

Long Wall	4	x	22'3"	"	x	0'9"	"	x	9'3"	"	=	617.44	Cft
Short Wall	1	x	5'9"	"	x	0'5"	"	x	7'0"	"	=	18.77	Cft
	3	x	29'0"	"	x	0'9"	"	x	9'3"	"	=	603.56	Cft
												<u>1237.77</u>	Cft

#### Deduction

Column											=	46.83	Cft
intel											=	67.20	Cft
Grill	1	x	9'0"	"	x	0'9"	"	x	7'0"	"	=	47.25	Cft
D	6	x	3'6"	"	x	0'9"	"	x	7'0"	"	=	110.25	Cft
D2	2	x	2'6"	"	x	0'9"	"	x	7'0"	"	=	26.25	Cft
W	5	x	5'0"	"	x	0'9"	"	x	4'0"	"	=	75.00	Cft
W1	1	x	3'0"	"	x	0'9"	"	x	4'0"	"	=	9.00	Cft
V	3	x	2'0"	"	x	0'9"	"	x	2'0"	"	=	9.00	Cft
												<u>390.78</u>	Cft
												846.99	Cft
												23.98	Cum

@ Rs 5516.60 Rs. 132288.07

### 19 R.C.C work M-20

#### a Column

	9	x	0'9"	"	x	0'9"	"	x	9'3"	"	=	46.83	Cft
												1.32	Cum

@ Rs 6569.76 Rs. 8672.08

#### b Lintel

	4	x	22'3"	"	x	0'9"	"	x	0'6"	"	=	33.38	Cft
	1	x	5'9"	"	x	0'5"	"	x	0'6"	"	=	1.20	Cft
	3	x	29'0"	"	x	0'9"	"	x	0'6"	"	=	32.63	Cft
												<u>67.20</u>	Cft
												1.90	Cum

@ Rs 6569.76 Rs. 12482.54

#### c Roof slab

	1	x	36'0"	"	x	26'3"	"	x	0'5"	"	=	387.45	Cft
												<u>387.45</u>	Cft
												10.97	Cum

@ Rs 6569.76 Rs. 72070.27

#### d Beam

	3	x	36'0"	"	x	0'9"	"	x	0'6"	"	=	40.50	Cft
	4	x	26'3"	"	x	0'9"	"	x	0'6"	"	=	39.38	Cft
												<u>79.88</u>	Cft
												2.26	Cum

@ Rs 6569.76 Rs. 14847.66

### 20 Top steel reinforcement bars in R.C.C works

100% avg. Volume of R.C.C work

$$16.45 \times \frac{100.0}{97}$$

= 16.96 qntl

@ Rs 10043.20 Rs. 170332.67

### 21 Rigid Smooth Centering & Shuttering For R.C.C Work

Including False Work And dismantling ther after

casting and cost of materials etc. complete as directed by the engineer in charge

1 x 24' 9" x 34' 6"	=	853.87	Sft
		<u>853.87</u>	Sft
		76.97	Smt

@ Rs 806.30 Rs. 62060.91

22 16mm thick cement plaster in cm (1:6) finished smooth to brick masonry including racking out joints including watering, curing, cost, conveyance, taxes, royalties, labour with T&P etc. complete in all  
In side

6 x 20' 9" x 9' 3"	=	1151.63	Sft
2 x 5' 9" x 7' 0"	=	80.50	Sft
4 x 30' 6" x 9' 3"	=	1128.50	Sft
		<u>2360.63</u>	Sft

Deduction

D	9 x 3' 6" x 7' 0"	=	220.50	Sft
D2	4 x 2' 6" x 7' 0"	=	70.00	Sft
W	5 x 5' 0" x 4' 0"	=	100.00	Sft
W1	1 x 3' 0" x 4' 0"	=	12.00	Sft
V	3 x 2' 0" x 2' 0"	=	12.00	Sft
			<u>414.50</u>	Sft
			1946.13	Sft
			180.87	Sqm

@ Rs 232.40 Rs 42034.19

23 20mm thick cement plaster (1:6) finished smooth to brick or stone masonry after racking out joints, including watering, curing, cost, conveyance, taxes, royalties & labour with T&P etc. complete.

Outer Plastering

2 x 22' 3" x 9' 3"	=	411.63	Sft
2 x 32' 0" x 9' 3"	=	592.00	Sft
		<u>1003.63</u>	Sft

Deduction

D	3 x 3' 6" x 7' 0"	=	73.50	Sft
W1	1 x 3' 0" x 4' 0"	=	12.00	Sft
W	5 x 5' 0" x 4' 0"	=	100.00	Sft
V	3 x 2' 0" x 2' 0"	=	12.00	Sft
			<u>197.50</u>	Sft
			806.13	Sft
			74.92	Smt

@ Rs 164.10 Rs. 12294.37

24 Fixing of tiles in floors, Trades of steps & Landing over 25mm thick bed of cement mortar 1:1 jointed with cement slurry mixed with pigments to match the shade of the tiles, including rubbing & polishing etc. complete including cost, conveyance, taxes & royalties of all materials, labour with T&P complete in all respect.

Granite Tiles

Rooms

1 x 20' 9 " x 30' 6 "

= 632.88 Sft

632.88 Sft

58.82 Sqm

@ Rs 2793.50 Rs. 164313.67

25 Dressed Seasonal Sal Wood Work Wrought & Put up, framed and fixed in burghas, rafters, and posts, including cutting groves, drilling holes, mending to size etc. including cost of all materials & labour with T&P etc. Complete.

D 12 x 0' 3 " x 0' 4 " x 7' 0 "

= 6.93 cft

12 x 0' 3 " x 0' 4 " x 3' 6 "

= 3.46 cft

D2 4 x 0' 2 " x 0' 3 " x 7' 0 "

= 1.12 cft

4 x 0' 2 " x 0' 3 " x 2' 6 "

= 0.40 cft

W 10 x 0' 3 " x 0' 4 " x 5' 0 "

= 4.12 cft

10 x 0' 3 " x 0' 4 " x 4' 0 "

= 3.30 cft

W1 2 x 0' 3 " x 0' 4 " x 4' 0 "

= 0.66 cft

2 x 0' 3 " x 0' 4 " x 3' 0 "

= 0.49 cft

20.48 cft

0.58 Cum

@ Rs 85425.10 Rs. 49546.56

26 Priming one coat to wall surface including cost of all materials and labour with T&P etc complete in all respect.

Inside

Same as inside Plastering. Vide item no.11

1946.13 Sft

Celling

Same as Out side Plastering. Vide item no.12

= 632.88 Sft

806.13 Sft

3385.14 Sft

314.60 Sqm

@ Rs 69.50 Rs. 21864.70

27 Wall painting two coats with weather coat of approved shade & approved make to give an even shade etc including cost of all materials, taxes & labour with T&P etc. complete in all floors as per the direction of EIC.

Same as Out side Plastering. Vide item no.15

= 314.60 Sqm

@ Rs 82.70 Rs. 26017.42

Total 788825.11

28 Supplying, fitting, fixing of shutters wood work.(door and window)

LS 50000.00

Total Rs. 838825.11

Ground Floor	Rs.	1143370.34
First Floor	Rs.	838825.11
Add Gst 18%	Rs.	356795.00
G. Total	Rs.	2338990.45
Say	Rs.	2338990.00
	Rs.	30000.00
	Rs.	39010.00
G. Total	Rs.	2408000.00
Say	Rs.	24.08 Lakh

Electrification  
PH & Sanitary works

Rupees Twentyfour Lakh Eight Thousand only

*S. Belur*  
Technical Consultant  
BE in Civil Engg.  
Dist. Project Co-ordinator  
Samagra Sikhya Ganjam  
Sanakhemundi Block

*S. Belur*  
Asst. Conservator of Forest  
Asst. Conservator of Forest  
I/c- Berhampur Range

Certified that The Estimate has been prepared as per the revised GST schedule of Rate of 2017 and current labour wages and 1% labour cess & GST 18% included in analysis .The supervision charges has not been included during preparation of the Estimate.

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**ANALYSIS OF RATES**

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
1	Earth work in hard soil or gravelly soil with in 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7 cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge.				
	Unit = Cum (A/R 2006-1(2a)-Page No-2)				
	Taking output = 100 Cum				
a)	<b>Labour</b>				
	Man Mulia unskilled	Each	21.50	345.00	7417.50
	Woman Mulia unskilled	Each	21.50	345.00	7417.50
					<b>14835.00</b>
b)	Overhead charges @ 7.5% on (a)		7.5%	14835.00	1112.63
c)	Contractors Profit @ 7.5% on (a)		7.5%	14835.00	1112.63
	Cost per 100 Cum = a+b+c				<b>17060.25</b>
d)	Add 20% for excavation of foundation		20%	17060.25	<b>3412.05</b>
					<b>20472.30</b>
	Add towards Labour Cess @ 1%		1%	20472.30	204.72
					<b>20677.02</b>
	Rate per 1 Cum				206.77
			<b>Say</b>	<b>206.80</b>	<b>per cum</b>
2	Filling foundation and plinth with excavated earth complete with all.				
	For 1 Cum -2/3 rd of item-4(a)		0.67	227.70	151.8024748
	Add towards Labour Cess @ 1%		1%	151.80	1.52
				Total	<b>153.32</b>
				<b>Say</b>	<b>153.30</b>
3	Plain cement concrete (1:4:8) with 40 mm hard granite metal in foundation as per Drawing and Technical Specification				
	Unit = Cum (A/R 2006-Page No-43 item-4)				
	Taking output = 1 cum				
a)	<b>Materials</b>				
	40mm size H.G.C.B metal	Cum	0.96	995.25	955.44
	Sand (screened & washed)	Cum	0.48	66.23	31.79
	Cement	Qntl	1.72	674.00	1159.28
					<b>2146.51</b>
b)	<b>Labour</b>				
	Mason 2nd class	Each	0.18	435.00	78.30
	Man Mulia	Each	2.50	345.00	862.50
	Woman Mulia	Each	1.40	345.00	483.00
					<b>1423.80</b>
c)	Overhead charges @ 7.5% on (a+b)		7.5%	3570.31	267.77
d)	Contractor's Profit @ 7.5% on (a+b)		7.5%	3570.31	267.77
e)	<b>Carriage &amp; Royalty</b>				
	40mm size H.G.C.B metal	Cum	0.96	810.51	778.09
	Sand (screened & washed)	Cum	0.48	755.26	362.52
	Cement	Qntl	1.72	30.73	52.86
					<b>1193.47</b>
	Rate per Cum = a+b+c+d+e				5299.33
	Add towards Labour Cess @ 1%		1%	5299.33	52.99
					<b>5352.32</b>
			<b>Say</b>	<b>5352.30</b>	
4	Plain cement concrete (1:3:6) with 12mm size Crosser broken hard granite metal with cost of all labour & materials.				
	Unit = Cum (A/R 2006/III/9-Page No-45 item-9)				
	Taking output = 1 cum				
a)	<b>Materials</b>				

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
	12mm size H.G.C.B metal	Cum	0.9	1396.62	1256.96
	Sand (screened & washed)	Cum	0.45	66.23	29.80
	Cement	Qntl	2.15	674.00	1449.10
					<b>2735.86</b>
<b>b) Labour</b>					
	Mason 2nd class	Each	0.68	435.00	295.80
	Man Mullia	Each	3.20	345.00	1104.00
	Woman Mullia	Each	1.40	345.00	483.00
					<b>1882.80</b>
<b>c) Overhead charges @ 7.5% on (a+b)</b>			7.5%	4618.66	346.40
<b>d) Contracor's Profit @ 7.5% on (a+b)</b>			7.5%	4618.66	346.40
<b>e) Carriage &amp; Royalty</b>					
	12mm size H.G.C.B metal	Cum	0.96	810.51	778.09
	Sand (screened & washed)	Cum	0.48	755.26	362.52
	Cement	Qntl	1.72	30.73	52.86
					<b>1193.47</b>
<b>Rate per Cum = a+b+c+d+e</b>					6504.93
<b>Add towards Labour Cess @ 1%</b>			1%	6504.93	65.05
					<b>6569.98</b>
				<b>Say</b>	<b>6570.00</b>
<b>5</b>	<b>RRHG stone masonry 1:6 in foundation &amp; plinth including cost of all materials, labour, T&amp;P, etc. complete. (As per A.R. 75/3)</b>				
<b>a) Materials</b>					
	RR stone	Cum	1.00	221.83	221.83
	Sand	Cum	0.34	66.23	22.52
	Cement	Qtl	0.815	674.00	549.38
					<b>793.73</b>
<b>b) Labour</b>					
	Mason 1st class	Each	0.35	495.00	173.25
	Mason 2nd class	Each	1.41	435.00	613.35
	Man and woman mullia	Each	3.17	345.00	1093.65
					<b>1880.25</b>
					<b>2673.98</b>
<b>c) Overhead charges @ 7.5% on (a+b)</b>			7.5%	2673.98	200.55
<b>d) Contracor's Profit @ 7.5% on (a+b)</b>			7.5%	2673.98	200.55
<b>e) Lead &amp; Rayality of</b>					
	RR stone	Cum	1.00	552.47	552.47
	Sand	Cum	0.34	755.26	89.72
	Cement	Qntl	0.8151	30.73	13.18
					<b>655.37</b>
<b>Rate per Cum = a+b+c+d+e</b>				Rs.	3730.45
<b>Add towards Labour Cess @ 1%</b>			1%	3730.45	37.30
				Rs.	<b>3767.75</b>
				<b>Say</b>	<b>Rs. 3767.75</b>
<b>6</b>	<b>Fly ash Brick Masonry in Cement Mortar (1:6) using bricks of size (23 Cm. x 11 Cm. x 8Cm.) in foundation and plinth</b>				
	Unit = Cum (A/R 2006-Page No-71 item-3)				
	Taking output = 1 cum				
<b>a) Materials</b>					
	Bricks	1000	400.00	4554.88	1821.95
	Sand (screened & washed)	Cum	0.28	66.23	18.54
	Cement	Qntl	0.672	674.00	452.93
					<b>2293.42</b>
<b>b) Labour</b>					
	Mason Special	Each	0.35	495.00	173.25

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
	Mason 2nd class	Each	1.05	435.00	456.75
	Man Mulia	Each	1.55	345.00	534.75
	Woman Mulia	Each	1.41	345.00	486.45
					<b>1651.20</b>
c)	Overhead charges @ 7.5% on (a+b)		7.5%	3944.62	295.85
d)	Contractor's Profit @ 7.5% on (a+b)		7.5%	3944.62	295.85
e)	Carriage & Royalty				
	Bricks	1000	400	926.92	370.77
	Sand (screened & washed)	Cum	0.28	755.26	211.47
	Cement	Qntl	0.672	30.73	20.65
					<b>602.89</b>
	Rate per Cum = a+b+c+d+e				5139.21
	Add towards Labour Cess @ 1%		1%	5139.21	51.39
					<b>5190.60</b>
				<b>Say</b>	<b>5190.60</b>
(A)	For Superstructure Brick(1:6)				
	Rate as above				5190.60
	Add extra towards Labour & scaffolding charges				33.00
	Overhead Charges on extra labour		7.5%	33.00	2.48
	Contractor's Profit		7.5%	33.00	2.48
	Add towards extra Labour Cess @ 1%		1%	37.95	0.38
					5228.93
				<b>Say</b>	<b>5228.90</b>
(B)	For First Floor Brick(1:6)				
	Rate as above				5228.93
	Add extra Labour		15%	1651.20	247.68
	Overhead Charges on extra labour		7.5%	247.68	18.58
	Contractor's Profit		7.5%	247.68	18.58
	Add towards extra Labour Cess @ 1%		1%	284.83	2.85
					5516.61
				<b>Say</b>	<b>5516.60</b>
7	Rigid and smooth centering & shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete (Gr Floor)				
	i) R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjes upto 4.3m height				
	Unit = sqm (A/R 2006-Page No-53 item-10)				
	Taking output = 9 sqm				
a)	Materials				
	Non sal wood scantling	Cum	0.112	58374.79	6537.98
	Planks 38mm	Cum	0.340	58374.79	19847.43
	120mm dia sal bullah	Mtr	56.00	51.87	2904.72
	Carriage of wood	Cum	1.142	198.30	226.45
					<b>29516.58</b>
	Considering 10 times use of the materials, for use once			For 1 time cost	<b>2951.66</b>
b)	Labour				
	Carpenter 2nd class	Each	2.75	435.00	1196.25
	Semi skilled Mulia	Each	2.75	385.00	1058.75
					<b>2255.00</b>
c)	Overhead charges @ 7.5% on (a+b)		7.5%	5206.66	390.50
d)	Contractor's Profit @ 7.5% on (a+b)		7.5%	5206.66	390.50
	Rate per 9Sqm = a+b+c+d				5987.66
	Rate per Sqm = (a+b+c+d)/9				665.30
	Add towards Labour Cess @ 1%		1%	665.30	6.65
					<b>671.95</b>
				<b>Say</b>	<b>671.90</b>



Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
<b>(A) For First Floor</b>					
	Rate as above				671.95
	Add extra		20%	671.95	134.39
					806.34
				<b>Say</b>	<b>806.30</b>
ii) R.C.C. stairs excluding landing but including railing					
Unit = sqm (A/R 2006-Page No-53 Item-10)					
Taking output = 5 sqm					
a) Materials					
	Non sal wood 38mm thick planks	Cum	0.228	58374.79	13309.45
	Non sal wood scantling	Cum	0.039	58374.79	2276.62
	120mm dia non sal bullah	Mtr	6.500	41.81	271.77
	Carriage of wood	Cum	0.350	198.30	69.40
					<b>15927.24</b>
	Considering 10 times use of the materials, for use once		For 1 time cost		<b>1592.72</b>
b) Labour					
	Carpenter 2nd class	Each	2.75	435.00	1196.25
	Semi skilled Mullia	Each	2.75	385.00	1058.75
					<b>2255.00</b>
	c) Overhead charges @ 7.5% on (a+b)		7.5%	3847.72	288.58
	d) Contracor's Profit @ 7.5% on (a+b)		7.5%	3847.72	288.58
	Rate per 5Sqm = a+b+c+d				<b>4424.88</b>
	Rate per Sqm = (a+b+c+d)/5				<b>884.98</b>
	Add towards Labour Cess @ 1%		1%	884.98	8.85
					<b>893.83</b>
				<b>Say</b>	<b>893.80</b>
<b>(A) For First Floor</b>					
	Rate as above				893.83
	Add extra		20%	893.83	178.77
					1072.59
				<b>Say</b>	<b>1072.60</b>
iii) R.C.C. foundation , plinth band and footings bases of columns, mass concrete pre-cast slabs etc					
Unit = sqm (A/R 2006-Page No-54 Item-10)					
Taking output = 10 sqm					
a) Materials					
	25mm thick non sal planks	Cum	0.267	58374.79	15586.07
	Non-sal bullah 80mm dia for strutting	Mtr	12.600	30.81	388.21
	Carriage of wood	Cum	0.3284	198.30	65.12
					<b>16039.40</b>
	Considering 10 times use of the materials, for use once		For 1 time cost		<b>1603.94</b>
b) Labour					
	Carpenter 2nd class	Each	0.50	435.00	217.50
	Semi skilled Mullia	Each	0.50	385.00	192.50
					<b>410.00</b>
	c) Overhead charges @ 7.5% on (a+b)		7.5%	2013.94	151.05
	d) = Contracor's Profit @ 7.5% on (a+b)		7.5%	2013.94	151.05
	Rate per 10Sqm = a+b+c+d				<b>2316.03</b>
	Rate per Sqm = (a+b+c+d)/10				<b>231.60</b>
	Add towards Labour Cess @ 1%		1%	231.60	2.32
					<b>233.92</b>
				<b>Say</b>	<b>233.90</b>
<b>(A) For First Floor</b>					
	Rate as above				233.92
	Add extra		20%	233.92	46.78
					280.70

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
				<b>Say</b>	<b>280.70</b>
iv)	R.C.C. beams, column, grider and bressmer, etc. Unit = sqm (A/R 2006-Page No-54 item-10) Taking output = 4.2 sqm				
a)	<b>Materials</b>				
	38mm thick non sal planks	Cum	0.218	58374.79	12725.70
	120mm dia sal bullah	Mtr	15.200	51.87	788.42
	80mm dia sal bullah for bracing	Mtr	8.000	51.87	414.96
	Carriage of wood	Cum	0.456	198.30	90.42
					<b>14019.51</b>
	Coinsidering 10 times use of the materials, for use once			For 1 time cost	<b>1401.95</b>
b)	<b>Labour</b>				
	Carpenter 2nd class	Each	2.75	435.00	1196.25
	Semi skilled Mullua	Each	2.75	385.00	1058.75
					<b>2255.00</b>
c)	Overhead charges @ 7.5% on (a+b)		7.5%	3656.95	274.27
d)	Contracor's Profit @ 7.5% on (a+b)		7.5%	3656.95	274.27
	Rate per 4.2Sqm = a+b+c+d				<b>4205.49</b>
	Rate per Sqm = (a+b+c+d)/4.2				<b>1001.31</b>
	Add towards Labour Cess @ 1%		1%	1001.31	10.01
					<b>1011.32</b>
				<b>Say</b>	<b>1011.30</b>
(A)	<b>For First Floor</b>				
	Rate as above				1011.32
	Add extra		20%	1011.32	202.26
					1213.59
				<b>Say</b>	<b>1213.60</b>
v)	R.C.C. Lintels (A/R 2006-Page No-54 item-10) Unit = sqm Taking output = 7.8 sqm				
a)	<b>Materials</b>				
	38mm thick non sal planks	Cum	0.413	58374.79	24108.79
	120mm dia non sal bullah	Mtr	21.000	41.81	878.01
	Carriage of wood	Cum	0.689	198.30	136.63
					<b>25123.42</b>
	Coinsidering 10 times use of the materials, for use once			For 1 time cost	<b>2512.34</b>
b)	<b>Labour</b>				
	Carpenter 2nd class	Each	1.25	435.00	543.75
	Semi skilled Mullua	Each	1.25	385.00	481.25
					<b>1025.00</b>
c)	Overhead charges @ 7.5% on (a+b)		7.5%	3537.34	265.30
d)	Contracor's Profit @ 7.5% on (a+b)		7.5%	3537.34	265.30
	Rate per 7.8Sqm = a+b+c+d				<b>4067.94</b>
	Rate per Sqm = (a+b+c+d)/7.8				<b>521.53</b>
	Add towards Labour Cess @ 1%		1%	521.53	5.22
					<b>526.75</b>
				<b>Say</b>	<b>526.75</b>
(A)	<b>For First Floor</b>				
	Rate as above				526.75
	Add extra		20%	526.75	105.35
					632.10
				<b>Say</b>	<b>632.10</b>
vi)	R.C.C. Walls and fins (A/R 2006-Page No-55 item-10) Unit = sqm Taking output = 23.9 sqm				

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
a)	<b>Materials</b>				
	38mm thick non sal planks	Cum	0.954	58374.79	55689.55
	Non sal wood scantling	Cum	0.269	58374.79	15702.82
	120mm dia non sal buliah	Mtr	100.800	41.81	4214.45
	Carriage of wood	Cum	2.461	198.30	488.01
					<b>76094.82</b>
	Coinsidering 10 times use of the materials, for use once		For 1 lime cost		<b>7609.48</b>
b)	<b>Labour</b>				
	Carpenter 2nd class	Each	13.50	435.00	5872.50
	Semi skilled Mulua	Each	13.50	385.00	5197.50
					<b>11070.00</b>
c)	Overhead charges @ 7.5% on (a+b)		7.5%	18679.48	1400.96
d)	Contracor's Profit @ 7.5% on (a+b)		7.5%	18679.48	1400.96
	Rate per 23.9Sqm = a+b+c+d				<b>21481.40</b>
	Rate per Sqm = (a+b+c+d)/23.9				<b>898.80</b>
	Add towards Labour Cess @ 1%		1%	898.80	8.99
					<b>907.79</b>
				<b>Say</b>	<b>907.79</b>
(A)	<b>For First Floor</b>				
	Rate as above				907.79
	Add extra		20%	907.79	181.56
					<b>1089.35</b>
				<b>Say</b>	<b>1089.30</b>
B	<b>R.C.C. work of M-20 grade with 20mm and down grade black hard granite (crusher broken) stone chips including hoisting and laying</b>				
	Unit = cum (A/R 2006-Page No-50 Item-4)				
	Taking output = 15 cum				
a)	<b>Materials</b>				
	20mm size H.G.C.B chips	Cum	8.10	1382.29	11196.55
	10mm size H.G.C.B chips	Cum	5.40	1407.77	7601.96
	Sand (screened & washed)	Cum	6.75	66.23	447.05
	Cement	MT	5.21	6740.00	35115.40
					<b>54360.96</b>
b)	<b>Labour</b>				
	Mate	Each	0.86	385.00	331.10
	Mason 2nd class	Each	1.50	435.00	652.50
	Woman Mulua	Each	20.00	345.00	6900.00
					<b>7883.60</b>
c)	<b>Machinery</b>				
	Concrete Mixer (cap. 0.40/0.28 cum)	Hour	6.00	229.55	1377.30
	Generator 33 kva	Hour	6.00	700.00	4200.00
					<b>5577.30</b>
d)	Overhead charges @ 7.5% on (a+b+c)		7.5%	67821.86	5086.64
e)	Contracor's Profit @ 7.5% on (a+b+c)		7.5%	67821.86	5086.64
f)	<b>Carriage &amp; Royalty</b>				
	20mm size H.G.C.B chips	Cum	8.10	810.51	6565.13
	10mm size H.G.C.B chips	Cum	5.40	810.51	4376.75
	Sand (screened & washed)	Cum	6.75	755.26	5098.01
	Cement	MT	5.21	89.50	466.30
					<b>16506.19</b>
	Rate per 15 Cum = a+b+c+d+e+f				<b>94501.32</b>
	Rate per Cum = (a+b+c+d+e+f)/15				6300.09
	Add towards Labour Cess @ 1%		1%	6300.09	63.00
					<b>6363.09</b>
				<b>Say</b>	<b>6363.10</b>

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
	<b>For First Floor R.C.C M-20</b>				
	Rate as above				6363.09
	Add extra Labour		15%	525.57	78.84
	Overhead Charges on extra labour		7.5%	78.84	5.91
	Contractor's Profit		7.5%	78.84	5.91
	Add towards extra Labour Cess @ 1%		1%	90.66	0.91
					6454.66
				<b>Say</b>	<b>6454.70</b>
a	<b>R.C.C. work of M-20 grade Column Footing / Pile cap / Raft</b>				
	<b>Unit = cum</b>				
	Rate as above				6363.09
	Add towards Centering & Shuttering	Sqm	1.50	233.92	350.88
					6713.97
				<b>Say</b>	<b>6714.00</b>
b	<b>R.C.C. work of M-20 grade Plinth Beam</b>				
	<b>Unit = cum</b>				
	Rate as above				6363.09
	Add towards Centering & Shuttering	Sqm	5.00	233.92	1169.60
					7532.68
				<b>Say</b>	<b>7532.70</b>
c	<b>R.C.C. work of M-20 grade Column &amp; Beam in Ground Floor</b>				
	<b>Unit = cum</b>				
	Rate as above				6363.09
	Add towards Centering & Shuttering	Sqm	8.00	1011.32	8090.57
					14453.66
				<b>Say</b>	<b>14453.70</b>
	<b>For First Floor Column , Beam</b>				
	Rate as above				6454.66
	Add towards Centering & Shuttering	Sqm	8.00	1213.59	9708.68
					16163.34
				<b>Say</b>	<b>16163.30</b>
d	<b>R.C.C. work of M-20 grade Lintel in Ground Floor</b>				
	<b>Unit = cum</b>				
	Rate as above				6363.09
	Add towards Centering & Shuttering	Sqm	14.00	526.75	7374.45
					13737.54
				<b>Say</b>	<b>13737.50</b>
	<b>For First Floor Lintel</b>				
	Rate as above				6454.66
	Add towards Centering & Shuttering	Sqm	14.00	632.10	8849.34
					15304.00
				<b>Say</b>	<b>15304.00</b>
e	<b>R.C.C. work of M-20 grade Chajja (65 mm av. Thick) in Ground Floor</b>				
	<b>Unit = Sqm</b>				
	Rate as above	Cum	0.065	6363.09	413.60
	Add towards Centering & Shuttering	Sqm	1.10	671.95	739.14
					1152.74
				<b>Say</b>	<b>1152.70</b>
	<b>For First Floor Chajja</b>				
	Rate as above	Cum	0.065	6454.66	419.55
	Add towards Centering & Shuttering	Sqm	1.10	806.34	886.97
					1306.52
				<b>Say</b>	<b>1306.50</b>
f	<b>R.C.C. work of M-20 grade Roof Slab in Ground Floor</b>				

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
	Unit = cum				
	Rate as above				6363.09
	Add towards Centering & Shuttering	Sqm	10.00	671.95	6719.48
					13082.57
				<b>Say</b>	<b>13082.60</b>
	<b>For First Floor Roof Slab</b>				
	Rate as above				6454.66
	Add towards Centering & Shuttering	Sqm	10.00	806.34	8063.38
					14518.03
				<b>Say</b>	<b>14518.00</b>
<b>g</b>	<b>R.C.C. work of M-20 grade Stair Case in Ground Floor</b>				
	Unit = cum				
	Rate as above				6363.09
	Add towards Centering & Shuttering	Sqm	9.00	893.83	8044.44
					14407.53
				<b>Say</b>	<b>14407.50</b>
	<b>For First Floor Stair Case</b>				
	Rate as above				6454.66
	Add towards Centering & Shuttering	Sqm	9.00	1072.59	9653.32
					16107.98
				<b>Say</b>	<b>16108.00</b>
<b>h</b>	<b>R.C.C. work of M-20 grade Shelves (37.5 mm Thick) in Ground Floor</b>				
	Unit = Sqm				
	Rate as above	Cum	0.0375	6363.09	238.62
	Add towards Centering & Shuttering	Sqm	1.10	671.95	739.14
					977.76
				<b>Say</b>	<b>977.80</b>
	<b>For First Floor Shelves</b>				
	Rate as above	Cum	0.0375	6454.66	242.05
	Add towards Centering & Shuttering	Sqm	1.10	806.34	886.97
					1129.02
				<b>Say</b>	<b>1129.00</b>
<b>j</b>	<b>R.C.C. work of M-20 grade Fins(80 mm thick) in Ground Floor</b>				
	Unit = Sqm				
	Rate as above	Cum	0.08	6363.09	509.05
	Add towards Centering & Shuttering	Sqm	2.00	907.79	1815.58
					2324.63
				<b>Say</b>	<b>2324.60</b>
	<b>For First Floor Fins</b>				
	Rate as above	Cum	0.08	6454.66	516.37
	Add towards Centering & Shuttering	Sqm	2.00	1089.35	2178.70
					2695.07
				<b>Say</b>	<b>2695.10</b>
<b>9</b>	<b>Supplying, fitting and placing uncoated HYSD bar reinforcement complete as per drawing and technical specifications in Ground Floor</b>				
	Unit = Qntl. (A/R 2006-Page No-52 Item-9)				
	Taking output = 1MT				
<b>a)</b>	<b>Materials</b>				
	HYSD bars including 5 percent overlaps and wastage	MT	1.05	76981.82	80830.91
	Binding wire	Kg.	8.00	90.10	720.80
					<b>81551.71</b>
<b>b)</b>	<b>Labour</b>				
	Mate	Each	0.44	385.00	169.40

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
	Blacksmith Special	Each	3.00	495.00	1485.00
	Man Mulia	Each	8.00	345.00	2760.00
					<b>4414.40</b>
c)	Overhead charges @ 7.5% on (a+b)		7.5%	85966.11	<b>6447.46</b>
d)	Contractor's Profit @ 7.5% on (a+b)		7.5%	85966.11	<b>6447.46</b>
e)	Carriage & Royalty				
	HYSD bars including 5 percent overlaps and wastage	MT	1.05	307.32	322.69
					<b>322.69</b>
	Rate per 1 MT = a+b+c+d+e				99183.71
	Rate per 1 Qnt = (a+b+c+d+e)/10				9918.37
	Add towards Labour Cess @ 1%		1%	9918.37	99.18
					<b>10017.56</b>
			<b>Say</b>	<b>10017.56</b>	Qntl
(A)	For First Floor reinforcement				
	Rate as above				10017.56
	Add extra Labour		5%	441.44	22.07
	Overhead Charges on extra labour		7.5%	22.07	1.66
	Contractor's Profit		7.5%	22.07	1.66
	Add towards extra Labour Cess @ 1%		1%	25.38	0.25
					10043.19
				<b>Say</b>	<b>10043.20</b>
10	12mm thick Cement Plaster (1:6) over Brick Masonry finished smooth in Inside				
	Unit = Sqm (A/R 2006-Page No-103 item-4)				
	Taking output = 1Sqm				
a)	Materials				
	Sand	Cum	0.015	66.23	0.99
	Cement	Qntl.	0.0358	674.00	24.13
					<b>25.12</b>
b)	Labour				
	Mason 2nd Class	Each	0.14	435.00	60.90
	Man Mulia	Each	0.07	345.00	24.15
	Woman Mulia	Each	0.05	345.00	17.25
					<b>102.30</b>
c)	Overhead charges @ 7.5% on (a+b)		7.5%	127.42	<b>9.56</b>
d)	Contractor's Profit @ 7.5% on (a+b)		7.5%	127.42	<b>9.56</b>
e)	Carriage & Royalty				
	Sand	Cum	0.015	755.26	11.33
	Cement	Qntl.	0.0358	30.73	1.10
					<b>12.43</b>
	Rate per 1 Sqm = a+b+c+d+e				158.97
	Add towards Labour Cess @ 1%		1%	158.97	1.59
					<b>160.55</b>
			<b>Say</b>	<b>160.60</b>	
(A)	For First Floor (12 mm C.P Inside wall)				
	Rate as above				160.55
	Add extra Labour		3%	102.30	3.07
	Overhead Charges on extra labour		7.5%	3.07	0.23
	Contractor's Profit		7.5%	3.07	0.23
	Add towards extra Labour Cess @ 1%		1%	3.53	0.04
					164.12
			<b>Say</b>	<b>164.10</b>	
11	16mm thick Cement Plaster (1:6) over Brick Masonry finished smooth in Ground Floor				
	Unit = Sqm (A/R 2006-Page No-105 item-14)				

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
	<b>Taking output = 1Sqm</b>				
a)	<b>Materials</b>				
	Sand	Cum	0.018	66.23	1.19
	Cement	Qntl.	0.043	674.00	28.98
					<u>30.17</u>
b)	<b>Labour</b>				
	Mason 2nd Class	Each	0.16	435.00	69.60
	Man Mulia	Each	0.13	345.00	44.85
	Woman Mulia	Each	0.11	345.00	37.95
					<u>152.40</u>
c)	<b>Overhead charges @ 7.5% on (a+b)</b>		7.5%	182.57	13.69
d)	<b>Contractor's Profit @ 7.5% on (a+b)</b>		7.5%	182.57	13.69
e)	<b>Carriage &amp; Royalty</b>				
	Sand	Cum	0.018	755.26	13.59
	Cement	Qntl.	0.043	30.73	1.32
					<u>14.92</u>
	<b>Rate per 1 Sqm = a+b+c+d+e</b>				224.88
	Add towards Labour Cess @ 1%		1%	224.88	2.25
					<u>227.13</u>
				<b>Say</b>	<b>227.10</b>
(A)	<b>For First Floor (16 mm C.P INSIDE)</b>				
	Rate as above				227.13
	Add extra Labour		3%	152.40	4.57
	Overhead Charges on extra labour		7.5%	4.57	0.34
	Contractor's Profit		7.5%	4.57	0.34
	Add towards extra Labour Cess @ 1%		1%	5.26	0.05
					<u>232.44</u>
				<b>Say</b>	<b>232.40</b>
26	<b>Priming one coat with approved Water Bound Wall cement Primer on Plastered Surface in Ground Floor</b>				
	Unit = Sqm (A/R 2006-Page No-93 item-1)				
	Taking output = 9.3Sqm				
a)	<b>Labour</b>				
	Painter Special	Each	0.50	495.00	247.50
	Man Mulia	Each	0.50	345.00	172.50
					<u>420.00</u>
	Add towards cost of Water Bound Wall Cement Primer		Ltr	0.780	159.03
					<u>124.04</u>
b)	<b>Overhead charges @ 7.5% on (a)</b>		7.5%	544.04	40.80
c)	<b>Contractor's Profit @ 7.5% on (a)</b>		7.5%	544.04	40.80
	<b>Rate per 9.3 Sqm = a+b+c</b>				<b>625.65</b>
	<b>Rate per 1 Sqm = (a+b+c)/9.3</b>				<b>67.27</b>
	Add towards Labour Cess @ 1%		1%	67.27	0.67
					<u>67.95</u>
				<b>Say</b>	<b>67.90</b>
	<b>Inside Walls</b>				
(A)	<b>For First Floor one coat Primer on Plastered Surface</b>				
	Rate as above				67.95
	Add extra Labour		3%	45.16	1.35
	Overhead Charges on extra labour		7.5%	1.35	0.10
	Contractor's Profit		7.5%	1.35	0.10
	Add towards extra Labour Cess @ 1%		1%	1.56	0.02
					<u>69.52</u>
	<b>Inside Walls</b>				<b>Say</b>
	<b>Outside Walls</b>				<b>69.50</b>
(A)	<b>For First Floor one coat Primer on Plastered Surface</b>				

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
	Rate as above				67.95
	Add extra Labour		5%	45.16	2.28
	Overhead Charges on extra labour		7.5%	2.26	0.17
	Contractor's Profit		7.5%	2.26	0.17
	Add towards extra Labour Cess @ 1%		1%	2.60	0.03
					70.57
	<b>Outside Walls</b>			<b>Say</b>	<b>70.60</b>
27	Wall Painting two coats with approved Plastic Emulsion Paint in Ground Floor.				
	Unit = Sqm (A/R 2006-Page No-99 item-20)				
	Taking output = 10Sqm				
	a) Labour				
	Painter Special	Each	0.54	495.00	267.30
	Man Mulla	Each	0.64	345.00	220.80
					<b>488.10</b>
	Add towards cost of Plastic Emulsion Paint	Ltr	1.250	249.34	311.68
	b) Overhead charges @ 7.5% on (a)		7.5%	799.78	<b>59.98</b>
	c) Contractor's Profit @ 7.5% on (a)		7.5%	799.78	<b>59.98</b>
	Rate per 10 Sqm = a+b+c				<b>919.74</b>
	Rate per 1 Sqm = (a+b+c)/10				91.97
					<b>91.97</b>
	Add towards Labour Cess @ 1%		1%	91.97	0.92
					92.89
				<b>Say</b>	<b>92.90</b>
(A)	For First Floor (INSIDE) two coats Plastic Emulsion Paint				
	Rate as above				92.89
	Add extra Labour		3%	48.81	1.46
	Overhead Charges on extra labour		7.5%	1.46	0.11
	Contractor's Profit		7.5%	1.46	0.11
	Add towards extra Labour Cess @ 1%		1%	1.68	0.02
					94.59
				<b>Say</b>	<b>94.60</b>
29	Painting two coats with any approved colour of weather seal coat to out side surface of wall in Ground Floor				
	Unit = Sqm (A/R 2006-Page No-99 item-20)				
	Taking output = 10Sqm				
	a) Labour				
	Painter Special	Each	0.54	495.00	267.30
	Man Mulla	Each	0.64	345.00	179.20
					<b>446.50</b>
	Add towards cost of Weather Seal Coat	Ltr	1.250	194.79	243.49
	b) Overhead charges @ 7.5% on (a)		7.5%	689.99	<b>51.75</b>
	c) Contractor's Profit @ 7.5% on (a)		7.5%	689.99	<b>51.75</b>
	Rate per 10 Sqm = a+b+c				<b>793.49</b>
	Rate per 1 Sqm = (a+b+c)/10				79.35
					<b>79.35</b>
	Add towards Labour Cess @ 1%		1%	79.35	0.79
					80.14
				<b>Say</b>	<b>80.10</b>
(A)	For First Floor Weather seal coat 2 coats				
	Rate as above				80.14
	Add extra Labour		5%	44.65	2.23
	Overhead Charges on extra labour		7.5%	2.23	0.17
	Contractor's Profit		7.5%	2.23	0.17
	Add towards extra Labour Cess @ 1%		1%	2.57	0.03
					82.74



Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
				Say	82.70
32	Supplying, fitting & fixing of 10 mm thick & size of 600x600 mm Glazed Vitrified floor tiles (GVT) of matt finish(WOODEN FINISH/RUSTIC FINISH) with velicraft (VC ) shield( Scratch free/stain free) with water absorption limit between 0.08% to 3% and conforming to IS : 15622:2006 (Group B lb), laid on 20 mm thick cement mortar (1:4) (1 cement : 4 course sand) and filling joints with white cement of approved quality including cost of all materials, labour T&P etc. required for the work all complete as per direction of the Engineer-in-charge (for New Work only )				
	Unit = Sqm (S/R 2012- Other Building Item-1(B)				
	Taking output = 10Sqm				
	<b>a) Materials</b>				
	600x600 mm Vitrified Tiles	Sqm	10.000	571.65	5716.50
	Sand	Cum	0.210	66.23	13.91
	Cement	Qntl.	0.744	674.00	501.46
	Cement for slurry	Qntl.	0.330	674.00	222.42
	White Cement	Qntl.	0.076	2017.18	153.31
					<b>6607.59</b>
	<b>b) Labour</b>				
	Mason Special	Each	2.16	495.00	1069.20
	Man Mulia	Each	2.16	345.00	745.20
					<b>1814.40</b>
	<b>c) Overhead charges @ 7.5% on (a+b)</b>		7.5%	8421.99	631.65
	<b>d) Contractor's Profit @ 7.5% on (a+b)</b>		7.5%	8421.99	631.65
	<b>e) Carriage &amp; Royalty</b>				
	600x600 mm Vitrified Tiles	Sqm	10.000	11.24	112.35
	Sand	Cum	0.210	755.26	158.60
	Cement	Qntl.	0.744	30.73	22.86
	Cement for slurry	Qntl.	0.330	30.73	10.14
	White Cement	Qntl.	0.076	30.73	2.34
					<b>306.30</b>
	Rate per 10 Sqm = a+b+c+d+e				9991.58
	Rate per 1 Sqm = ( a+b+c+d+e)/10				999.16
	Add towards Labour Cess @ 1%		1%	999.16	9.99
					<b>1009.15</b>
				Say	<b>1009.15</b>

**(A) For First Floor**

Rate as above					1009.15
Add extra Labour		5%	181.44		9.07
Overhead Charges on extra labour		7.5%	9.07		0.68
Contractor's Profit		7.5%	9.07		0.68
Add towards extra Labour Cess @ 1%		1%	10.43		0.10
					1019.69
				Say	<b>1019.70</b>

33 Supplying, fitting & fixing of 10 mm thick & size of 300x300 mm Ceramic floor tiles of matt finish laid on 20 mm thick cement mortar (1:4) (1 cement : 4 course sand) and filling joints with white cement of approved quality including cost of all materials, labour T&P etc. required for the work all complete as per direction of the Engineer-in-charge (for New Work only )

Taking output = 10Sqm

**a) Materials**

300x300 mm Ceramic Tiles	Sqm	10.000	314.96	3149.60
Sand	Cum	0.210	66.23	13.91
Cement	Qntl.	0.740	674.00	498.76

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
	Cement for slurry	Qntl.	0.330	674.00	222.42
	White Cement	Qntl.	0.076	2017.18	153.31
					<b>4037.99</b>
<b>b)</b>	<b>Labour</b>				
	Mason Special	Each	2.16	495.00	1069.20
	Man Mulia	Each	2.16	345.00	745.20
					<b>1814.40</b>
<b>c)</b>	<b>Overhead charges @ 7.5% on (a+b)</b>		7.5%	5852.39	438.93
<b>d)</b>	<b>Contractor's Profit @ 7.5% on (a+b)</b>		7.5%	5852.39	438.93
<b>e)</b>	<b>Carriage &amp; Royalty</b>				
	600x600 mm Vitrified Tiles	Sqm	10.000	11.24	112.35
	Sand	Cum	0.210	755.26	158.60
	Cement	Qntl.	0.744	30.73	22.86
	Cement for slurry	Qntl.	0.330	30.73	10.14
	White Cement	Qntl.	0.076	30.73	2.34
					<b>306.30</b>
	<b>Rate per 10 Sqm = a+b+c+d+e</b>				7036.55
	<b>Rate per 1 Sqm = (a+b+c+d+e)/10</b>				703.65
	Add towards Labour Cess @ 1%		1%	703.65	7.04
					<b>710.69</b>
				<b>Say</b>	<b>710.69</b>
<b>(A) For First Floor</b>					
	Rate as above				710.69
	Add extra Labour		5%	181.44	9.07
	Overhead Charges on extra labour		7.5%	9.07	0.68
	Contractor's Profit		7.5%	9.07	0.68
	Add towards extra Labour Cess @ 1%		1%	10.43	0.10
					721.23
				<b>Say</b>	<b>721.20</b>
<b>34</b>	<b>Supplying, fitting &amp; fixing of Germ free Ceramic wall tiles of premium grade of size 600x300mm having thickness 6.5mm to 6.7mm conforming to IS 13753 in dados, skirting and risers of steps laid on 12 mm thick cement mortar (1:3) (1 cement : 3 course sand) jointed with slurry mixed with pigment to match the shades of the tiles etc. complete including cost of all materials, labour T&amp;P etc. required for the work all complete as per direction of the Engineer-in-charge</b>				
	<b>Unit = Sqm (A/R 2006-Page No-90 item-17)</b>				
	<b>Taking output = 10Sqm</b>				
<b>a)</b>	<b>Materials</b>				
	Germ free Ceramic wall tiles	Sqm	10.000	277.17	2771.70
	Sand	Cum	0.150	66.23	9.93
	Cement	Qntl.	0.715	674.00	481.91
	Cement for slurry	Qntl.	0.660	674.00	444.84
					<b>3708.38</b>
<b>b)</b>	<b>Labour</b>				
	Mason Special	Each	3.25	495.00	1608.75
	Man Mulia	Each	3.25	345.00	1121.25
	Semiskilled Mulia for rubbing	Each	7.60	320.00	0.00
					<b>2730.00</b>
<b>c)</b>	<b>Overhead charges @ 7.5% on (a+b)</b>		7.5%	6438.38	482.88
<b>d)</b>	<b>Contractor's Profit @ 7.5% on (a+b)</b>		7.5%	6438.38	482.88
<b>e)</b>	<b>Carriage &amp; Royalty</b>				
	Germ free Ceramic wall tiles	Sqm	10.000	11.24	112.35
	Sand	Cum	0.150	755.26	113.29
	Cement	Qntl.	0.715	30.73	21.97

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
	Cement for slurry	Qntl.	0.660	16.17	10.87
					<b>258.29</b>
	Rate per 10 Sqm = a+b+c+d+e				7862.43
	Rate per 1 Sqm = (a+b+c+d+e)/10				786.24
	Add towards Labour Cess @ 1%		1%	786.24	7.86
					<b>773.91</b>
				<b>Say</b>	<b>773.90</b>
<b>(A) For First Germ free Ceramic wall tiles</b>					
	Rate as above				773.91
	Add extra Labour		5%	273.00	13.65
	Overhead Charges on extra labour		7.5%	13.65	1.02
	Contractor's Profit		7.5%	13.65	1.02
	Add towards extra Labour Cess @ 1%		1%	15.70	0.16
					789.76
				<b>Say</b>	<b>789.80</b>
<b>35</b>	<b>Supplying, fitting &amp; fixing of Verified tiles in dadoes, skirting and risers of steps laid on 12 mm thick cement mortar (1:3) (1 cement : 3 course sand) jointed with slurry mixed with pigment to match the shades of the tiles etc. complete including cost of all materials, labour T&amp;P etc. required for the work all complete as per direction of the Engineer-in-charge</b>				
	Unit = Sqm (A/R 2006-Page No-90 item-17)				
	Taking output = 10Sqm				
<b>a) Materials</b>					
	Verified wall tiles	Sqm	10.000	571.65	5716.50
	Sand	Cum	0.150	66.23	9.93
	Cement	Qntl.	0.715	674.00	481.91
	Cement for slurry	Qntl.	0.660	674.00	444.84
					<b>6653.18</b>
<b>b) Labour</b>					
	Mason Special	Each	3.25	495.00	1608.75
	Man Mulia	Each	3.25	345.00	1121.25
	Semiskilled Mulia for rubbing	Each	7.60	320.00	0.00
					<b>2730.00</b>
<b>c) Overhead charges @ 7.5% on (a+b)</b>			7.5%	9383.18	<b>703.74</b>
<b>d) Contractor's Profit @ 7.5% on (a+b)</b>			7.5%	9383.18	<b>703.74</b>
<b>e) Carriage &amp; Royalty</b>					
	Germ free Ceramic wall tiles	Sqm	10.000	11.24	112.35
	Sand	Cum	0.150	755.26	113.29
	Cement	Qntl.	0.715	30.73	21.97
	Cement for slurry	Qntl.	0.660	30.73	20.28
					<b>267.90</b>
	Rate per 10 Sqm = a+b+c+d+e				11058.56
	Rate per 1 Sqm = (a+b+c+d+e)/10				1105.86
	Add towards Labour Cess @ 1%		1%	1105.86	11.06
					<b>1116.91</b>
				<b>Say</b>	<b>1116.90</b>
<b>(A) For First verified wall tiles</b>					
	Rate as above				1116.91
	Add extra Labour		5%	273.00	13.65
	Overhead Charges on extra labour		7.5%	13.65	1.02
	Contractor's Profit		7.5%	13.65	1.02
	Add towards extra Labour Cess @ 1%		1%	15.70	0.16
					1132.77
				<b>Say</b>	<b>1132.80</b>

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
33	Supplying, fitting & fixing of Granite Tiles of minimum 20mm thick and above 0.40 sqm of approved make in floors laid on 20 mm thick cement mortar (1:4) (1 cement : 4 course sand) and filling joints with white cement of approved quality including cost of all materials, labour T&P etc. required for the work all complete as per direction of the Engineer-in-charge (for New Work only ) Taking output = 10Sqm				
a)	<b>Materials</b>				
	Granite Tiles	Sqm	10.000	2098.83	20988.30
	Sand	Cum	0.210	66.23	13.91
	Cement	Qntl.	0.744	674.00	501.46
	Cement for slurry	Qntl.	0.330	674.00	222.42
	White Cement	Qntl.	0.076	2017.18	153.31
					<b>21879.39</b>
b)	<b>Labour</b>				
	Mason Special	Each	2.16	495.00	1069.20
	Man Mulia	Each	2.16	345.00	745.20
					<b>1814.40</b>
c)	Overhead charges @ 7.5% on (a+b)		7.5%	23693.79	1777.03
d)	Contractor's Profit @ 7.5% on (a+b)		7.5%	23693.79	1777.03
e)	<b>Carriage &amp; Royalty</b>				
	Granite Tiles	Sqm	10.000	11.24	112.35
	Sand	Cum	0.210	755.26	158.60
	Cement	Qntl.	0.744	30.73	22.86
	Cement for slurry	Qntl.	0.330	30.73	10.14
	White Cement	Qntl.	0.076	30.73	2.34
					<b>306.30</b>
	Rate per 10 Sqm = a+b+c+d+e				27554.15
	Rate per 1 Sqm =( a+b+c+d+e)/10				2755.42
	Add towards Labour Cess @ 1%		1%	2755.42	27.55
					<b>2782.97</b>
				<b>Say</b>	<b>2782.97</b>
(A)	<b>For First Floor</b>				
	Rate as above				2782.97
	Add extra Labour		5%	181.44	9.07
	Overhead Charges on extra labour		7.5%	9.07	0.68
	Contractor's Profit		7.5%	9.07	0.68
	Add towards extra Labour Cess @ 1%		1%	10.43	0.10
					2793.51
				<b>Say</b>	<b>2793.50</b>
39	Supplying, fitting & fixing of Granite Tiles of minimum 20mm thick and above 0.40 sqm of approved make in floors laid on 20 mm thick cement mortar (1:4) (1 cement : 4 course sand) and filling joints with slurry including cost of all materials, labour T&P etc. required for the work all complete incl. rubbing as per direction of the Engineer-in-charge				
	Unit = Sqm(S/R 2012- Other Building item-1(B) Taking output = 10Sqm				
a)	<b>Materials</b>				
	Granite tiles	Sqm	10.000	1645.67	16456.70
	Sand	Cum	0.210	66.23	13.91
	Cement	Qntl.	0.744	674.00	501.46
	Cement for slurry	Qntl.	0.330	674.00	222.42
	Cement for grouting	Qntl.	0.076	674.00	51.22
					<b>17245.71</b>
b)	<b>Labour</b>				

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
	Mason Special	Each	2.16	495.00	1069.20
	Semi Skilled Mulia for rubbing	Each	5.50	385.00	2117.50
	Man Mulia	Each	2.16	345.00	745.20
					<u>3931.90</u>
c)	Overhead charges @ 7.5% on (a+b)		7.5%	21177.61	1588.32
d)	Contractor's Profit @ 7.5% on (a+b)		7.5%	21177.61	1588.32
e)	Carriage & Royalty				
	Chequered tiles	Sqm	10.000	11.24	112.35
	Sand	Cum	0.210	755.26	158.60
	Cement	Qntl.	0.744	30.73	22.86
	Cement for slurry	Qntl.	0.330	30.73	10.14
	Cement for grouting	Qntl.	0.076	30.73	2.34
					<u>306.30</u>
	Rate per 10 Sqm = a+b+c+d+e				24660.55
	Rate per 1 Sqm = (a+b+c+d+e)/10				2466.05
	Add towards Labour Cess @ 1%		1%	2466.05	24.66
					<u>2490.72</u>
				<b>Say</b>	<b>2490.72</b>
(A) For First Floor					
	Rate as above				2490.72
	Add extra Labour		5%	393.19	19.66
	Overhead Charges on extra labour		7.5%	19.66	1.47
	Contractor's Profit		7.5%	19.66	1.47
	Add towards extra Labour Cess @ 1%		1%	22.61	0.23
					<u>2513.55</u>
				<b>Say</b>	<b>2513.50</b>
42	2.5 cm thick grading concrete (1:2:2) on roof slab with 6.7mm & down grades size hard granite crusher broken chips on new work in Ground Floor				
	Unit = Sqm (A/R 2006-Page No-47 item-17)				
	Taking output = 1 Sqm				
a)	Materials				
	4.7 mm size hard granite C.B chips	Cum	0.0169	813.91	13.76
	Sand	Cum	0.0169	66.23	1.12
	Cement	Qntl.	0.1208	674.00	81.42
					<u>96.29</u>
b)	Labour				
	Mason Special	Each	0.10	495.00	49.50
	Man Mulia	Each	0.36	345.00	124.20
					<u>173.70</u>
c)	Overhead charges @ 7.5% on (a+b)		7.5%	269.99	20.25
d)	Contractor's Profit @ 7.5% on (a+b)		7.5%	269.99	20.25
e)	Carriage & Royalty				
	4.7 mm size hard granite C.B chips	Cum	0.0169	810.51	13.70
	Sand	Cum	0.0169	755.26	12.76
	Cement	Qntl.	0.1208	30.73	3.71
					<u>30.17</u>
	Rate per 1 Sqm = a+b+c+d+e				340.67
	Add towards Labour Cess @ 1%		1%	340.67	3.41
					<u>344.07</u>
				<b>Say</b>	<b>344.10</b>
(A) For First Floor 2.5 cm thick grading concrete (1:2:2)					
	Rate as above				344.07
	Add extra Labour		15%	173.70	26.06
	Overhead Charges on extra labour		7.5%	26.06	1.95
	Contractor's Profit		7.5%	26.06	1.95

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
	Add towards extra Labour Cess @ 1%		1%	29.96	0.30
					374.34
				<b>Say</b>	<b>374.30</b>
<b>44</b>	<b>Dressed seasoned sal wood work framed and fixed (wrought and put up) in frames of doors, windows &amp; ventilabours</b>				
	Unit = Cum (A/R 2006-Page No-132 item-2)				
	Taking output = 0.028 Cum				
a)	<b>Materials</b>				
	Sal wood scantling sawn	Cum	0.028	58374.79	1634.49
					<b>1634.49</b>
b)	<b>Labour</b>				
	Carpenter Special	Each	0.50	495.00	247.50
	Man Mulia	Each	0.50	345.00	172.50
					<b>420.00</b>
c)	Overhead charges @ 7.5% on (a+b)		7.5%	2054.49	154.09
d)	Contractor's Profit @ 7.5% on (a+b)		7.5%	2054.49	154.09
e)	Carriage of wood @ 169.00/1.25 cum	Cum	0.028	198.30	5.55
					<b>5.55</b>
	Rate per 0.028 Cum = a+b+c+d+e				2368.22
	Rate per 1 Cum = (a+b+c+d+e)/0.028				84579.30
	Add towards Labour Cess @ 1%		1%	84579.30	845.79
					<b>85425.10</b>
				<b>Say</b>	<b>85425.10</b>
<b>45</b>	<b>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</b>				
	Unit = Sqm (A/R 2006-Page No-132 item-3)				
	Taking output = 1.88 Sqm				
a)	<b>Materials</b>				
	Piasal wood planks for shutters	Cum	0.06656	48822.41	3249.62
	Wooden hinged cleats	Each	2.00	12.50	25.00
					<b>3274.62</b>
b)	<b>Labour</b>				
	<u>Making Shutters</u>				
	Carpenter Special = 2 nos. x Rs. 430.00 = Rs. 860.00				
	Helper to Carpenter = 2 nos. x Rs. 320.00 = Rs. 640.00				
	<b>Rs. 1,500.00</b>				
		Sqm	1.88	Rs. 1,500.00	2820.00
	<u>Fixing Shutters</u>				
	Carpenter 2nd Class	Each	1.00	435.00	435.00
	Man Mulia	Each	1.00	345.00	345.00
					<b>780.00</b>
c)	Overhead charges @ 7.5% on (a+b)		7.5%	6874.62	515.60
d)	Contractor's Profit @ 7.5% on (a+b)		7.5%	6874.62	515.60
e)	Carriage of wood @ 147.00/1.25 cum	Cum	0.06656	198.30	13.20
					<b>13.20</b>
	Rate per 1.88 Sqm = a+b+c+d+e				7919.01
	Rate per 1 Sqm = (a+b+c+d+e)/1.88				<b>4212.24</b>
e)	<b>Fitting &amp; Fixing of Iron Materials</b>				
	Butt Hinges 75mm	Each	6	6.30	37.80
	Handle 125mm	Each	2	22.05	44.09
	Tower Bolt 250mm	Each	2	47.24	94.49
	Aldrop 250mm	Each	2	173.23	346.46
	Screw 12mm x4mm for Hinges 6 Nos.	Each	48	0.26	12.47
	Screw 12mm x 4mm for Tower Bolts 2 Nos.	Each	20	0.26	5.20
	Screw 50mm x 8mm for Aldrop 2 Nos.	Each	32	0.65	20.66

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
	Rate per 1.88 Sqm				561.17
	Rate per 1 Sqm				298.49
	Total Rate per 1 Sqm		4212.24	+	298.49
	Add towards Labour Cess @ 1%			1%	4510.73
					<u>4555.84</u>
				Say	4555.80

  
**Technical Consultant**  
**BE in Civil Engg.**  
**Dist. Project Co-ordinator**  
**Samagra Sikhya Ganjam**  
**Sanakhemundi Block**

  
**Asst. Conservator of Forest**  
**I/c. Berhampur Range**

**LEAD STATEMENT**

**RATE ANALYSIS FOR FORESTER QUARTER (PLYING SQUARD), AT CNG SHED BERTHAMPUR AS PER SR-2014 cm GST.**

S/LN	Name of the Materials	Unit	Name of the Quarry	Lead in Km	1st 5 Km		Next up to 50 Km		Beyond 50 Km		Total carrying v/	Cost as per S/R	Royalty	Over 15% EBF 10%		Total (Without Royalty)	Total	Total excluding cost	
					Amount	Km	Amount	Km	Amount	Km				over	over				
1	Sand for Filling	Cum		40	276.01	10	132	0	0	0	408.01	52.96	25.00	3.50	1.75	307.00	470.87	818.12	755.26
2	Clay & sharp sand	Cum		40	276.01	10	132	0	0	0	408.01	66.73	35.00	3.50	1.75	307.00	474.24	821.49	755.26
3	40 mm size CRHG chris	Cum		5	276.01	20	264	0	0	0	540.01	99.25	130.00	13.00	6.50	121.00	1555.26	1966.76	810.51
4	20mm size CRHG chris	Cum		5	276.01	20	264	0	0	0	540.01	1382.29	130.00	13.00	6.50	121.00	1922.30	2152.80	810.51
5	12 mm size CRHG chris	Cum		5	276.01	20	264	0	0	0	540.01	1796.62	130.00	13.00	6.50	121.00	1936.63	2207.13	810.51
6	10mm size CRHG chris	Cum		5	276.01	20	264	0	0	0	540.01	1407.77	130.00	13.00	6.50	121.00	1847.76	2216.26	810.51
7	4.75mm size CRHG chris	Cum		5	276.01	20	264	0	0	0	540.01	813.91	130.00	13.00	6.50	121.00	1353.92	1674.42	810.51
8	Fly Ash Bricks (size 23 cm x 11 cm x 8cm)	1000 Nos		5	691.28	10	235.64	0	0	0	926.92	4554.88				5481.80	5481.80	926.92	
9	Fly ash bricks of 25 Cm x 12 Cm x 8 Cm	1000 Nos		5	694.1	10	234.55	0	0	0	928.65	5142.55				6071.20	6071.20	1150.00	
10	K.B. Brick Khol brick	Cum		5	276.01	10	130.2	0	0	0	406.21	388.26	35.00	3.50	1.75	794.47	834.72	446.46	
11	Cement	Out		5	247.87	5	59.45	0	0	0	307.32	674.00				704.73	704.73	30.73	
12	Waste Cement	Out		5	247.87	5	59.45	0	0	0	307.32	2017.18				2047.91	2047.91	30.73	
13	HVSD Road	MI		5	247.87	5	59.45	0	0	0	307.32	75981.82				77289.14	77289.14	307.32	
14	Binding Wala	Ka		5	247.87	5	59.45	0	0	0	307.32	90.10				387.42	387.42	307.32	
15	Pen 3d wood scattering galls	Cum		5	247.87	5	59.45	0	0	0	307.32	58374.79				58573.09	58573.09	198.30	
16	Grade 1/3 20mm bk. (above 0.40 sqm)	Sqms		5	9.6	5	1.64	0	0	0	11.24	2098.63				2110.07	2110.07	11.24	
17	Kola silt form thick (labore 0.10 sqm)	Sqms		5	9.6	5	1.64	0	0	0	11.24	500.20				511.44	511.44	11.24	
18	Industrial Vitrified tile (Premium)	Sqms		5	9.6	5	1.64	0	0	0	11.24	578.35				589.59	589.59	11.24	
19	Chouroud Tile	Sqms		5	9.6	5	1.64	0	0	0	11.24	254.75				265.99	265.99	11.24	
20	Vitrified tile (Colour)	Sqms		5	9.6	5	1.64	0	0	0	11.24	625.76				707.00	707.00	11.24	
21	Ceramic wall tile (Premium)	Sqms		5	9.6	5	1.64	0	0	0	11.24	405.20				416.44	416.44	11.24	
22	Wall Primer	lit		5	Local	5	Local	0	0	0	159.03	159.03				159.03	159.03	0.00	
23	Weather Coat	lit		5	Local	5	Local	0	0	0	194.79	194.79				194.79	194.79	0.00	
24	Plastic Emulsion Paint	lit		5	Local	5	Local	0	0	0	245.34	245.34				245.34	245.34	0.00	
25	Wood Primer	lit		5	Local	5	Local	0	0	0	155.09	155.09				155.09	155.09	0.00	
26	4.5 cement : 1 : 3	Cum		25	276.01	20	260.4	0	0	0	536.41	880.00	130.00	13.00		1416.41	1416.41	806.91	
27	4.75mm bk. M-sand @ 22.5%	Cum		25	276.01	20	260.4	0	0	0	536.41	813.81	130.00	13.00		1376.82	1376.82	806.91	
28	Out 1.8mm brick @ 52.5%	Cum		25	276.01	20	260.4	0	0	0	536.41	113.39	130.00	13.00		649.80	649.80	806.91	
29	Labour	Cum		25	276.01	20	260.4	0	0	0	536.41	718.47	130.00	13.00		1264.88	1264.88	806.91	

Noted that the lead statement furnished above is shortest & minimum to the best of my knowledge & belief

For and on behalf of  
Signature

Signature

Signature

Signature

**STEEL RATE JANUARY 2020**

Character	Weight in kg/m	Length	Weight per piece in kg	Rate per the Month	Rate per Ton
Bar	6	12	4.240	243.00	51687.36 /Ton
Bar	10	12	7.404	303.00	40797.60 /Ton
Bar	12	12	10.556	519.00	48704.93 /Ton
Bar	16	12	18.336	922.00	48950.33 /Ton
Bar	20	12	29.392	1423.00	48087.32 /Ton
Average				246488.04 /Ton	
Average				49283.61 /Ton	
Excluding				41774.25	
38% GST					

**Rate per**

Char	Rate per
Bar	0.393
Bar	0.617
Bar	0.888
Bar	1.578
Bar	1.666
Bar	0.00
Bar	0.00
Bar	0.00

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Rate per  
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0.393  
0.617  
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**Technical Consultant**  
**BE in Civil Engg.**  
Dist. Project Co-ordinator  
Sanagra Sikhya Ganjam  
Sanakhemundi Block

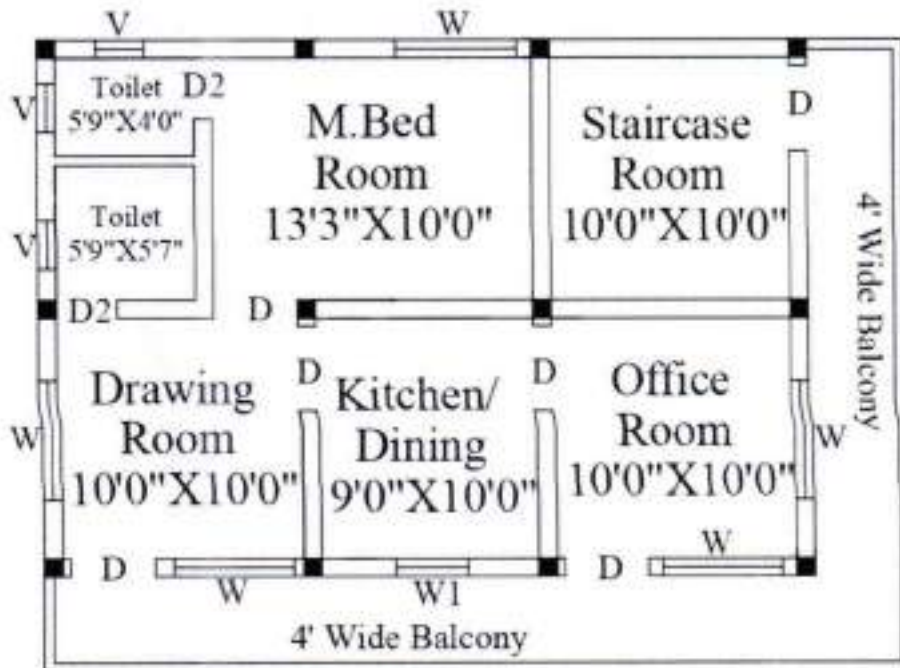
**Asst. Conservator of Forest**  
M.C. Borthampur Range

0.00 /Ton

/Ton



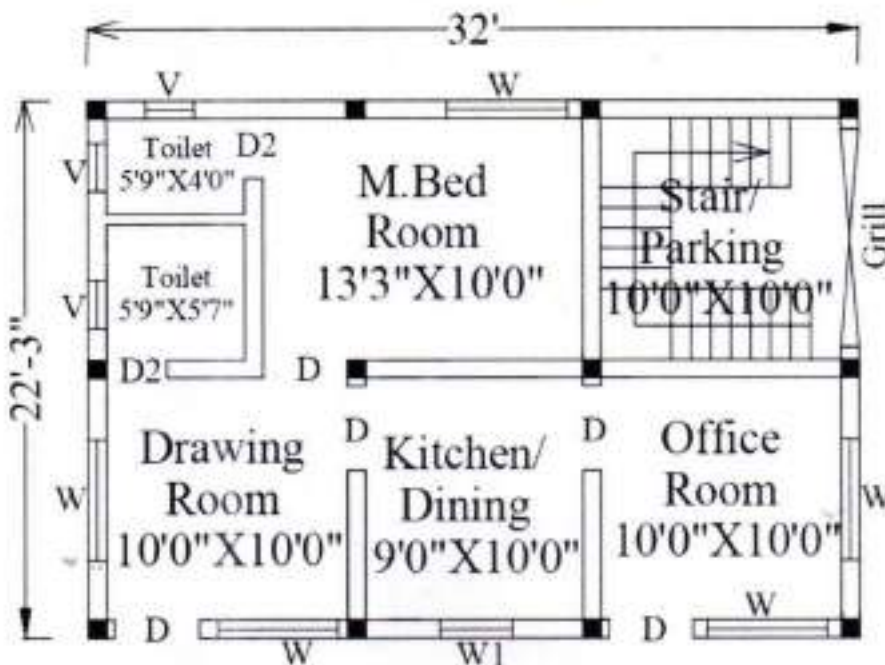
# OFFICE CUM RESIDENTIAL BUILDING PLAN OF FOREST GUARD QUARTER



**FIRST FLOOR PLAN**



*Handwritten signature*  
 Technical Consultant  
 BE in Civil Engg.  
 Dist. Project Co-ordinator  
 Samagra Sikhya Ganjam  
 Sanakhemundi Block



**GROUND FLOOR PLAN**

*Handwritten signature*  
 Asst. Conservator of Forest  
 I/c. Behampur Range

Plinth Area-712.00 Sft.

## JOINERY

- Grill = 9'0" X 7'0"
- D = 3'6" X 7'0"
- D2 = 2'6" X 7'0"
- W = 5'0" X 4'0"
- W1 = 3'0" X 4'0"
- V = 2'0" X 0'0"

				Sub Total:	115870.90
	<b>Labour</b>				
111	Carpentar 1st Class	day	28	448	12544.00
114	Beldar	day	23	298	6,854.00
	TOTAL			Sub Total:	19,398.00
					1,35,268.90
	Add CP&OH @ 15%				20290.34
9999	Carriage of material etc.	L.S.	89.35	2	178.70
	TOTAL				1,55,737.94
	Cost of 100 sqm				1,55,737.94
	Cost of 1 sqm				1557.38
	Add Cess-1%				15.57
	Cost of 1 sqm				1572.95
				Say:	1573.00

**Rate Analysis for 12.5 mm thick Gypsum Board false ceiling for 100 SQM**

DSR Code 2016	Details of cost for 100 sqm	UNIT	QTY	RATE	AMOUNT
60	Providing and fixing 12.5 mm thick Gypsum board false ceiling at all heights of cost of 12.5mm thick Gypsum board	SQM	105	135.91	14270.55
8555	Main runner Silhoutte 38 15x38x3600MM	each	29.5	185	5457.50
8556	Cross tee Silhoutte 38 15x38x1200MM	each	147	78	11466.00
8557	Cross tee Silhoutte 38 15x38x600MM	each	147	35	5145.00
8591	SHADOW MOULDING 19x7x7x14x3600MM	each	13.5	65	877.50
	SUSPENSION ACCESSORIES				
8558	GI Pre straightened Wire 2.5Mm Dia 1.8M Length	each	72	26	1872.00
8619	GI Hook clip with J wire Assembly	each	72	15	1080.00
8515	GI Anchor Fastner with hnager hole for the wire	each	72	31	2232.00
8211	40mm long SS screws with plastic rawl pluds	100 nos	1	215	215.00
9999	Sundries i.e. Scaffolding etc	L.S.	187.95	2	375.90
				Sub Total:	42991.45
	<b>Labour</b>				
111	Carpentar 1st Class	day	28	448	12544.00
114	Beldar	day	23	298	6,854.00
	TOTAL			Sub Total:	19,398.00
					62,389.45
	Add CP&OH @ 15%				9358.42
9999	Carriage of material etc.	L.S.	89.35	2	178.70
	TOTAL				71,926.57
	Cost of 100 sqm				71,926.57
	Cost of 1 sqm				719.27
	Add Cess-1%				7.19
	Cost of 1 sqm				726.46
				Say:	726.50

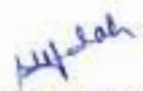
*[Signature]*  
 Technical Consultant  
 BE in Civil Engg.  
 Dist. Project Co-ordinator  
 Samagra Sikhya Ganjam  
 Sanakhemundi Block

*[Signature]*  
 Asst. Conservator of Forest  
 W/c. Berhampur Range

## ABSTRACT

A)	Ground Floor	Rs	1093370.34
	Add for door and window	Rs	50000.00
	Total	Rs.	1143370.34
B)	First Floor	Rs	788825.11
	Add for door and window	Rs	50000.00
	Total	Rs.	838825.11
	Total	Rs.	1982195.45
	Or Say	Rs.	1982195.00
	Add Gst 18%	Rs.	356795.00
	Total	Rs.	2338990.00
	Add Electrification	Rs.	30000.00
	Add P.H. & Sanitary Works	Rs.	39010.00
	G. Total	Rs.	2408000.00

Or Say 24.08 Lakhs  
Twenty Four Lakh Eight Thousand Only

  
Asst. Conservator of Forest  
Wd/E. Berhampur Range

  
SIGN. OF TECHNICAL CONSULTANT

SAMAGRA SIKHYA, GANJAM

Technical Consultant

BE in Civil Engg.

Dist. Project Co-ordinator

Samagra Sikhya Ganjam

Sanakhemundi Block

Certified that the Estimate has been prepared as per the revised GST schedule of Rate of 2017 and current labour wages and 1% labour cess & GST 18% included in analysis. The supervision charges has not been included during preparation of the Estimate.



**GOVERNMENT OF ODISHA**

**DEPARTEMENT OF FOREST , ENVIRONMENT & CLIMATE CHANGE**

**Name of Work** : Construction of Office Cum Residential Building Plan (G+1) of Forester Quarter (Flying Squad) under Berhampur Range

**Name of the Scheme** : CAMPA (APO) 2023-24

**Estimated Cost** : Rs 3226000/-

**Name of the Range** : Berhampur Range

**Name of the Divison** : Berhampur Division

**Name of the District** : Ganjam

**CONSTRUCTION OF FORESTER QUARTER (FLYING SQUARD), AT CNG SHED  
BERHAMPUR**

**FORESTER QUARTER (FLYING SQUARD), AT CNG SHED BERHAMPUR :- (G+1) Floor**

Sl.no.	Description of Items	UNIT	QNTY	RATE	AMOUNT Rs.
1	Earthwork in excavation in hard soil for site leveling, foundation, pits, trenches and other civil works upto and including 1.5 metre lift and stacking the soil upto a lead of 100 metre and including dewatering, removing slush, shoring and strutting (as required), complete as per specification and as directed by the Engineer-in-Charge.				
a.	Hard soils.	Cum	170.06	206.80	35168.41
2	Filling in foundation trenches and plinth, with excavated earth including laying the earth in layers not exceeding 23.5 cm thick ramming & watering with all leads & lifts including cost of all labour, T&P completed as directed by the Engineer-in-charge.				
		Cum	120.23	153.30	18431.26
3	Supplying and filling sand in foundation and over area including watering, ramming, consolidating and dressing, labours, tools, taxes etc. all complete as per the specification and direction of Engineer-in-Charge.				
		Cum	29.28	885.40	25924.51
4	Providing and laying plain cement concrete 1:4:8 (1 cement : 4 sand : 8 stone aggregate 40mm nominal size) as levelling course in floor and plinth including tempering, curing, shuttering etc. complete all depth and height.				
		Cum	19.52	5352.30	104476.90
6	First class Fly ash <b>Brick masonry</b> using bricks of size 23 cm. x 11 cm. x 8 cm. having crushing strength not less than 75 kg. Per Sqr. Cm. in cement mortar of mix( 1:6) with ordinary Portland slag cement(PSC) and screened & washed sand for mortar after immersing the bricks for 6 (Six) hours in water before use in <b>Super Structure</b> including splays cutting, circular moulding, corbeling, chamfering and similar such type of works, watering and curing etc. including cost, conveyance, loading, unloading, royalties and taxes of all materials, cost of all labour, scaffolding, sundries, T&P required for the works etc. complete in all respect as directed by the Engineer-in-Charge.				
	Ground floor	Cum	51.57	5228.90	269654.37
	First floor	Cum	36.91	5516.60	203617.75
	Terrace floor	Cum	0.00	0.00	0.00
7	First class Fly ash <b>Brick masonry</b> using bricks of size 23 cm. x 11 cm. x 8 cm. having crushing strength not less than 75 kg. Per. Ground floor.				
	Ground floor	Cum	0.00	0.00	0.00
	First floor	Cum	0.00	0.00	0.00

- 8 Providing, lifting, hoisting and laying Reinforced cement concrete of M-20 grade as per approved designs and drawings having a minimum compressive strength (in work test) 250 Kg / Square cm. in 15 cm. cubes at 28 days after mixing and test conducted in accordance with I.S. 516 using 12 mm. to 20 mm. size black hard crushed broken granite stone chips and screened and washed sharp sand for mortar of approved quality from approved quarry, washed and cleaned ( 20mm. size chips not to exceeds 25 % ) to be mixed in concrete mixture with Portland slag cement (PSC) including hoisting, lowering, laying and compaction concrete by using vibrators, watering and curing for 28 days, centering and shuttering then after dismantling and removing debris from the work site and finishing the exposed surface smooth providing grooves or beads wherever necessary including cost, conveyance, loading, unloading, royalties and taxes of all materials and cost of all labours, sundries, T & P required of the work etc. complete in all respect as directed by the Engineer-in-Charge. But excluding cost and conveyance of M.S. rods or Tor steel and binding wires and labour charges for straightening, cutting, bending etc. of M.S. rods or tor steel tying the grills and placing in proper position.

#### Ground floor

a) Footing	Cum	45.32	6714.00	304278.48
b) Pedestal :-	Cum	0.00	0.00	0.00
d) Column up to plinth	Cum	2.72	6569.76	17869.75
e) Plinth Beam	Cum	3.51	6569.76	23059.86
f) Column above plinth	Cum	1.33	6569.76	8737.78
g) Lintel	Cum	2.32	6569.76	15241.84
h) Chajja	Sqm	0.00	1152.70	0.00
i) Roof Beam	Cum	3.80	6569.76	24965.09
j) Slab	Cum	10.32	6569.76	67799.92
k) Stair case	Cum	1.01	6569.76	6635.46

#### First floor

f) Column	Cum	1.33	6569.76	8737.78
g) Lintel	Cum	2.32	6569.76	15241.84
h) Chajja	Sqm	0.00	1306.50	0.00
i) Roof Beam	Cum	2.53	6569.76	16621.49
j) Slab	Cum	11.08	6569.76	72792.94
k) Stair case	Cum	0.00	18108.00	0.00

#### Terrace floor

f) Column	Cum	0.00	18210.40	0.00
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g) Lintel	Cum	0.00	17179.20	0.00
h) Chajja	Cum	0.00	1460.80	0.00
i) Roof Beam	Cum	0.00	18210.40	0.00
j) Slab	Cum	0.00	16236.00	0.00

- 9 Cutting, straightening coiled or bent up M.S. Rod or tor steel of SAIL/ TATA / RINL (VIZAG) make including bending, binding, welding and joining if necessary and tying the grills and placing in position as required for R.C.C. Work and for providing fan hooks as required, hoisting, lowering, laying including cost, conveyances, taxes of M.S. Rod or tor steel and binding wires of 18 to 20 gauge and labour required for the work for bending, binding and tying the grills in all floors (Linear measurement will be taken and quantity will be calculated basing on the standard weight of B.I.S. for M.S. Rods or tor steel only. Wastage if any, including weight of binding wire will not be considered for measurement) etc. complete as per specification & direction of Engineer-in-charge.

Ground floor	Qntl	22.97	10017.56	230103.24
First floor	Qntl	12.95	10043.20	130059.44
Terrace floor	Qntl	0.00	10070.10	0.00

- 10 12mm cement plaster to out side of brick surfaces with cement mortar of mix 1:6 (1 cement : 6 fine sand) including necessary scaffolding, curing etc. all complete at all floors and all heights.

Ground floor	Sqm	294.95	160.60	47366.97
First floor	Sqm	110.73	164.10	18170.79
Terrace floor	Sqm	0.00	167.80	0.00

- 11 Rigid smooth centering & shuttering for RCC work including False work and dis mentaling ther after casting and cost of materials etc. complete as directed by the engineer in charge.

Ground floor	Sqm	75.42	671.90	50674.70
First floor	Sqm	77.93	608.30	62634.96
Terrace floor	Sqm	0.00	#REF!	0.00

- 12 16mm cement plaster to inside of brick surfaces with cement mortar of mix 1:6 (1 cement : 6 fine sand) including necessary scaffolding, curing etc. all complete at all floors and all heights.

Ground floor	Sqm	257.39	227.10	56453.27
First floor	Sqm	260.97	232.40	60549.43

	<b>Terrace floor</b>	Sqm	0.00	237.80	0.00
13	6 mm cement plaster on RCC surfaces at ceiling/slab soffit and other locations with cement mortar of mix 1:4 (1 cement : 4 coarse sand) including necessary scaffolding, curing etc. all complete at all floors and all heights.				
	Ground floor				
	First floor	Sqm	0.00	167.40	0.00
	<b>Terrace floor</b>	Sqm	0.00	171.30	0.00
		Sqm	0.00	175.40	0.00
14	Supplying, fitting & fixing of Granite Tiles of minimum Above 0.40 sqm. (20mm thick) of approved make in floors laid on 20 mm thick cement mortar (1:4) (1 cement : 4 coarse sand) and filling joints with slurry including cost of all materials, labour T&P etc. required for the work all complete incl. rubbing as per direction of the Engineer-in-charge				
	Ground floor				
	First floor	Sqm	77.94	2782.97	216904.66
		Sqm	75.27	2793.50	210266.75
14	Supplying, fitting & fixing of 10 mm thick & size of 600x600 mm Glazed Vitrified floor tiles (GVT) of matt finish/WOODEN				
	Ground floor				
	First floor	Sqm	0.00	1009.15	0.00
		Sqm	0.00	1019.70	0.00
15	Supplying, fitting & fixing of 10 mm thick & size of 600x600 mm Glazed Vitrified floor tiles (GVT) of matt finish(WOODEN FINISH/RUSTIC FINISH) with veilcraft (VC ) shield( Scratch free/stain free) with water absorption limit between 0.08% to 3% and conforming to IS : 15622-2006 (Group B lb) laid on 12 mm thick cement mortar (1:3) (1 cement : 3 coarse sand) jointed with slurry mixed with pigment to match the shades of the tiles etc. complete including cost of all materials, labour T&P etc. required for the work all complete as per direction of the Engineer-in-charge				
	Ground floor				
	First floor	Sqm	0.00	1116.90	0.00
		Sqm	0.00	1132.80	0.00
16	Supplying, fitting & fixing of 10 mm thick & size of 300x300 mm Ceramic floor tiles. of matt finish laid on 20 mm thick cement				
	Ground floor				
	First floor	Sqm	0.00	710.69	0.00
		Sqm	0.00	721.20	0.00
17	Supplying, fitting & fixing of Germ free Ceramic wall tiles of premium grade of size 600x300mm having thickness 6.5mm to				
	Ground floor				
	First floor	Sqm	0.00	773.90	0.00
		Sqm	0.00	799.80	0.00



18	Providing and fixing seasoned sal wood work in frames at any locations including doors, windows, cupboard, clerestory and other frames, fixing in position including cost of hinges, M.S. flat (30mm x 6mm) hold fasts lugs or dash fasteners of required dia and length as per drawing / specification, at all floors and all heights.	Ground floor	Cum	0.62	85425.10	52963.56
		First floor	Cum	0.66	85425.10	56380.57
19	Factory made 30mm/32mm flush door shutter (Laminates both side of frame) with all labour, iron fittings, and wooden hinged Ground floor		Sqm	0.00	3577.70	0.00
		First floor	Sqm	0.00	3577.70	0.00
20	Supplying Fitting, fixing up fully glazed aluminium framed window (sliding type) made in aluminium section 977R as window frame. Ground floor		sqm	0.00	3625.70	0.00
		First floor	sqm	0.00	3625.70	0.00
		Terrace floor	Kg	0.00	3625.70	0.00
21	Supplying and Fixing of M.S. Grills, M.S. Doors, M.S. Gate etc including cost conveyance of all materials priming and labour for Ground floor		Kg	0.00	66.50	0.00
		First floor	Kg	0.00	66.50	0.00
		Terrace floor	Kg	0.00	66.50	0.00
22	Priming one coat with wall cement primer (water bound) to make an even finished surface in all floors and heights to wall surface of approved make and shade including sand papering, applying putty wherever necessary & cost of scaffolding, staging charges with cost, conveyance, taxes of all materials, cost of all labour, labour cess T&P etc. complete as per the direction of the Engineer-in-charge.	Ground floor	Sqm	630.28	67.90	42798.01
		First floor	Sqm	446.98	69.50	31065.11
		Terrace floor	Sqm	0.00	71.10	0.00
23	Painting two coats with approved anti-fungal weather seal paints (ISI) of approved colour, shade on wall surface over a coat of wall primer (ISI) water bound including sand papering, polishing the surface, cost, conveyances of all materials and cost of all labour, labour cess with T&P etc. complete as per specification & direction of Engineer-in-charge.					

Ground floor				
	Sqm	294.95	80.10	23625.50
First floor				
	Sqm	110.73	82.70	9157.37
<b>Terrace floor</b>				
	Sqm	0.00	85.50	0.00
<b>24</b>	Finishing plastered surfaces of walls with cement based wall putty (Water based) of approved make and finishing the surface smooth and even by sand papering to receive painting in walls, at all heights with staging wherever necessary with cost, conveyance, taxes of all materials, cost of all labour/labourcess, all T&P etc. required for the work complete in all respect as per the direction of the Engineer-in-charge.			
Ground floor				
	Sqm	0.00	76.00	0.00
First floor				
	Sqm	0.00	76.00	0.00
<b>Terrace floor</b>				
	Sqm	0.00	76.00	0.00
<b>25</b>	Painting two coats with approved plastic emulsion paint over a coat of wall primer of make Dulux / Berger / Asian to inside surface of walls finished with Acrylic Wall putty (water based) of make (Birla / JK) and finished smooth & even surface to receive painting using roller to the final coat including cost of scaffolding staging charges with cost, conveyances, taxes of all materials, cost of labour, T&P required for the work etc. complete for all floors as per specification & direction of the Engineer-in-charge. Note -> Sample of Paint & Primer shall be approved before procurement and use.			
Ground floor				
	Sqm	0.00	92.90	0.00
First floor				
	Sqm	0.00	94.80	0.00
<b>Terrace floor</b>				
	Sqm	0.00	96.30	0.00
<b>26</b>	Painting two coats with approved Enamel Paint on wood work over a coat of Wood Primer in Ground Floor			
Ground floor				
	Sqm	0.00	209.24	0.00
First floor				
	Sqm	0.00	214.56	0.00
<b>27</b>	Painting two coats with approved Enamel Paint on Steel work in Ground Floor			
Ground floor				
	Sqm	0.00	146.70	0.00
First floor				
	Sqm	0.00	150.50	0.00
<b>Terrace floor</b>				
	Sqm	0.00	154.30	0.00
				<b>2540729.70</b>
				<b>Say Rs. 2540730.00</b>

<b>A)</b>	<b>Ground Floor</b>	<b>Rx</b>	<b>1645136.05</b>
	<b>Add for door and window</b>	<b>Rs</b>	<b>70000.00</b>

B) First Floor  
Add for door and window

Total	Rs.	1715136.05	
	Rs.	895596.18	
	Rs.	70000.00	
Total	Rs.	965596.18	
G. Total	Rs.	2680732.23	
Or Say	Rs.	2680730.00	
	Rs.	482531.00	
Total	Rs.	3163261.00	
	Rs.	30000.00	
	Rs.	32739.00	
G. Total	Rs.	3226000.00	
Or Say	Rs.	32.26	Lakh

C) Add gst 18%  
  
Electrification  
P.H. & Sanitary Works

Thirty Two Lakhs Twenty Six Thousand Only

*[Signature]*  
SIGN. OF TECHNICAL CONSULTANT  
SAMAGRA SIKHYA, GANJAM  
BE in Civil Engg  
Dist. Project Co-ordinator  
Samagra Sikhya Ganjam  
Sanakhemundi Block

*[Signature]*  
Asst. Conservator of Forest  
W/O Barhampur Range

Certified that The Estimate has been prepared as per the revised GST schedule of Rate of 2017 and current labour wages and 1% labour cess & GST 18% included in analysis .The supervision charges has not been included during preparation of the Estimate.

On request  
*[Signature]*  
SIGN. OF TECHNICAL CONSULTANT  
SAMAGRA SIKHYA, GANJAM  
BE in Civil Engg  
Dist. Project Co-ordinator  
Samagra Sikhya Ganjam  
Sanakhemundi Block

*[Signature]*  
Asst. Conservator of Forest  
W/O Barhampur Range

## ESTIMATE

### ESTIMATE OF OFFICE CUM RESIDENTIAL BUILDING PLAN (G+1) OF FORESTER QUARTER (FLYING SQUAD), AT CNG SHED BERHAMPUR

#### Ground Floor

- 1 Earth work in excavation of foundation in hard soil or gravelly soil within 50m initial lead and 1.50m initial lift including rough dressing breaking clods to maximum 5cm to 7cm & laying in layers not exceeding .0.3m depth and as per direction of the Engineer-in-Charge

Long Wall	3 x	45' 2"	x	4' 0"	x	5' 0"	=	2709.60	cft	
	2 x	55' 3"	x	3' 0"	x	4' 0"	=	1326.00	cft	
Short Wall	4 x	13' 6"	x	4' 0"	x	5' 0"	=	1080.00	cft	
	1 x	5' 3"	x	4' 0"	x	5' 0"	=	105.00	cft	
	2 x	25' 3"	x	3' 0"	x	4' 0"	=	606.00	cft	
Column	9 x	2' 0"	x	2' 0"	x	5' 0"	=	180.00	cft	
								<u>6006.60</u>	Cft	
								or	170.06	Cum
	@						Rs	206.80	Rs.	35168.41

2

- Filling in foundation trenches and plinth, with excavated earth including laying the earth in layers not exceeding 23.5 cm thick ramming & watering with all leads & lifts including cost of all labour, T&P completed as directed by the Engineer-in-charge.

2/3rd of Excavation

0.5 x		170.06	cum
		<u>120.23</u>	cum
@	Rs	153.30	Rs.
			18431.26

- 3 Filling foundation & plinth with sand watered and rammed including cost of sand and labour etc. complete as directed by the Engineer in charge.

Long Wall	3 x	45' 2"	x	4' 0"	x	0' 6"	=	271.00	cft	
	2 x	55' 3"	x	3' 0"	x	0' 6"	=	165.75	cft	
Short Wall	4 x	13' 6"	x	4' 0"	x	0' 6"	=	108.00	cft	
	1 x	5' 3"	x	4' 0"	x	0' 6"	=	10.50	cft	
	2 x	25' 3"	x	3' 0"	x	0' 6"	=	75.75	cft	
Column	9 x	2' 0"	x	2' 0"	x	0' 6"	=	18.00	cft	
Basement of Room	1 x	10' 0"	x	6' 7"	x	0' 6"	=	32.92	cft	
	1 x	10' 0"	x	11' 2"	x	0' 6"	=	55.83	cft	
	1 x	10' 0"	x	4' 11"	x	0' 6"	=	24.58	cft	
	1 x	10' 0"	x	20' 4"	x	0' 6"	=	101.67	cft	
	1 x	10' 0"	x	10' 0"	x	0' 6"	=	50.00	cft	
	2 x	10' 0"	x	12' 0"	x	0' 6"	=	120.00	cft	
								<u>1034.00</u>	Cft	
								or	29.28	Cum
	@						Rs	885.40	Rs.	25924.51

**4 Cement concrete (1:4:8) using 40mm. and down graded H.G. hand broken metal including cost carriage, royalty taxes of all materials with all labour, T&P required etc. complete as directed by the Engineer in charge.**

Long Wall	3	x	45	'	2	"	x	4	'	0	"	x	0	'	4	"	=	180.67	cft			
	2	x	55	'	3	"	x	3	'	0	"	x	0	'	4	"	=	110.50	cft			
Short Wall	4	x	13	'	6	"	x	4	'	0	"	x	0	'	4	"	=	72.00	cft			
	1	x	5	'	3	"	x	4	'	0	"	x	0	'	4	"	=	7.00	cft			
	2	x	25	'	3	"	x	3	'	0	"	x	0	'	4	"	=	50.50	cft			
Column	9	x	2	'	0	"	x	2	'	0	"	x	0	'	4	"	=	12.00	cft			
Basement of Room	1	x	10	'	0	"	x	6	'	7	"	x	0	'	4	"	=	21.94	cft			
	1	x	10	'	0	"	x	11	'	2	"	x	0	'	4	"	=	37.22	cft			
	1	x	10	'	0	"	x	4	'	11	"	x	0	'	4	"	=	16.39	cft			
	1	x	10	'	0	"	x	20	'	4	"	x	0	'	4	"	=	67.78	cft			
	1	x	10	'	0	"	x	10	'	0	"	x	0	'	4	"	=	33.33	cft			
	2	x	10	'	0	"	x	12	'	0	"	x	0	'	4	"	=	80.00	cft			
																	=	<b>689.33</b>	Cft			
																		or	<b>19.52</b>	Cum		
																		@	Rs	<b>5352.30</b>	Rs.	<b>104476.90</b>

**5 Cement Concrete (1:1.5:3) using 12mm size CBHG chips**

Column Footing	9	x	2	'	0	"	x	2	'	0	"	x	2	'	4	"	=	84.00	cft			
	9	x	1	'	0	"	x	1	'	0	"	x	1	'	4	"	=	12.00	cft			
																			<b>96.00</b>	cft		
																			<b>2.72</b>	Cum		
																		@	Rs	<b>6569.76</b>	Rs.	<b>17869.75</b>

**6 R.R. Stone masonry in C.M (1:6) in foundation and plinth including carriage etc. complete as directed by the engineer in charge.**

1st Footing	3 x	45' 2"	" x	2' 0"	" x	1' 6"	=	406.50	cft		
	2 x	55' 3"	" x	2' 0"	" x	1' 6"	=	331.50	cft		
	4 x	13' 6"	" x	2' 0"	" x	1' 6"	=	162.00	cft		
	1 x	5' 3"	" x	2' 0"	" x	1' 6"	=	15.75	cft		
	2 x	25' 3"	" x	2' 0"	" x	1' 6"	=	151.50	cft		
2nd Footing	3 x	45' 2"	" x	1' 6"	" x	1' 0"	=	203.25	cft		
	2 x	55' 3"	" x	1' 6"	" x	1' 0"	=	165.75	cft		
	4 x	13' 6"	" x	1' 6"	" x	1' 0"	=	81.00	cft		
	1 x	5' 3"	" x	1' 6"	" x	1' 0"	=	7.88	cft		
	2 x	25' 3"	" x	1' 6"	" x	1' 0"	=	75.75	cft		
								<b>1600.88</b>	Cft		
								<b>45.32</b>	Cum		
							@	Rs	<b>6714.00</b>	Rs.	<b>304278.48</b>

**7 K.B Brick masonry in cement mortar (1:6)in superstructure using K.B. Bricks of 9" size.**

Long Wall	3 x	41' 11"	" x	0' 9"	" x	10' 0"	=	943.13	Cft		
	1 x	4' 11"	" x	0' 5"	" x	7' 0"	=	14.34	Cft		
	2 x	53' 0"	" x	0' 9"	" x	6' 0"	=	477.00	Cft		
Short Wall	4 x	20' 0"	" x	0' 9"	" x	10' 0"	=	600.00	Cft		
	1 x	10' 0"	" x	0' 9"	" x	10' 0"	=	75.00	Cft		
	1 x	27' 6"	" x	0' 9"	" x	6' 0"	=	123.75	Cft		
								<b>2314.12</b>	Cft		
<b>Deduction</b>											
Column								46.83	Cft		
intel								81.93	Cft		
Main gate	1 x	12' 0"	" x	0' 9"	" x	6' 0"	=	54.00	Cft		
Grill	1 x	9' 0"	" x	0' 9"	" x	7' 0"	=	47.25	Cft		
D	6 x	3' 6"	" x	0' 9"	" x	7' 0"	=	110.25	Cft		
D2	2 x	2' 6"	" x	0' 9"	" x	7' 0"	=	26.25	Cft		
W	6 x	5' 0"	" x	0' 9"	" x	4' 0"	=	90.00	Cft		
W1	1 x	3' 0"	" x	0' 9"	" x	4' 0"	=	9.00	Cft		
V	1 x	2' 0"	" x	0' 9"	" x	2' 0"	=	3.00	Cft		
								<b>492.56</b>	Cft		
								<b>1821.56</b>	Cft		
								<b>51.57</b>	Cum		
							@	Rs	<b>5228.90</b>	Rs.	<b>269657.37</b>

**8 R.C.C work M-20**

**a Plinth Beam**

3 x	41' 11"	" x	0' 9"	" x	0' 9"	=	70.73	Cft	
1 x	4' 11"	" x	0' 9"	" x	0' 9"	=	2.77	Cft	
4 x	20' 0"	" x	0' 9"	" x	0' 9"	=	45.00	Cft	
1 x	10' 0"	" x	0' 9"	" x	0' 9"	=	5.63	Cft	
								<b>124.13</b>	Cft
								<b>3.51</b>	cum

@ Rs **6569.76** Rs. **23059.86**

**b Column**

9 x	0' 9"	" x	0' 9"	" x	9' 3"	=	46.83	Cft	
								<b>1.33</b>	Cum

@ Rs **6569.76** Rs. **8737.78**

**c Lintel**

3 x	41' 11"	" x	0' 9"	" x	0' 6"	=	47.16	Cft	
1 x	4' 11"	" x	0' 5"	" x	0' 6"	=	1.02	Cft	
4 x	20' 0"	" x	0' 9"	" x	0' 6"	=	30.00	Cft	
1 x	10' 0"	" x	0' 9"	" x	0' 6"	=	3.75	Cft	
								<b>81.93</b>	Cft
								<b>2.32</b>	Cum

@ Rs 6569.76 Rs. 15241.84

**d Roof slab**

1 x	22' 3"	x	41' 11"	x	0' 4"	=	310.88	Cft
1 x	4' 0"	x	38' 2"	x	0' 4"	=	50.89	Cft
1 x	4' 0"	x	22' 3"	x	0' 4"	=	29.67	Cft
							391.44	Cft

Deduct opening

1	3' 0"	x	12' 0"	x	0' 5"	=	13.00	Cft
1	3' 0"	x	4' 2"	x	0' 5"	=	5.12	Cft
1	3' 0"	x	7' 2"	x	0' 5"	=	8.81	Cft
							<u>364.51</u>	Cft
							10.32	Cum

@ Rs 6569.76 Rs. 67799.92

**e Beam**

3 x	45' 11"	x	0' 9"	x	0' 9"	=	77.48	Cft
3 x	26' 3"	x	0' 9"	x	0' 9"	=	44.30	Cft
1 x	22' 3"	x	0' 9"	x	0' 9"	=	12.52	Cft
							134.30	Cft
							3.80	Cum

@ Rs 6569.76 Rs. 24965.09

**f Stair**

Waste Slab	1 x	3' 0" x 23' 4" x 0' 4"	=	23.09	cft	
Steps	0.50 x 21 x	3' 0" x 0' 10" x 0' 6"	=	12.68	cft	
				<u>35.77</u>	Cft	
				1.01	Cum	
			@	Rs 6569.76	Rs.	6635.46

**9 Tor steel reinforcement bars in R.C.C works**

97% avg. Volume of R.C.C work

$$22.29 \times \frac{100.0}{97} = 22.97 \text{ qntl}$$

@ Rs 10017.56 Rs. 230103.24

**10 Rigid Smooth Centering & Shuttering For R.C.C Work**

Including False Work And dismantling ther after casting and cost of materials etc.complete as directed by the engineer in charge

Deduct	1 x	20' 9" x 40' 5"	=	838.51	Sft	
			=	26.93	Sft	
				<u>811.55</u>	Sft	
				75.42	Smt	
			@	Rs 671.90	Rs.	50674.70

**11 16mm thick cement plaster in cm (1:6) finished smooth to brick masonry including racking out joints including watering, curing, cost, conveyance, taxes, royalties, labour with T&P etc. complete in all In side**

	4 x	40' 5" x 10' 6"	=	1697.50	Sft	
	2 x	4' 11" x 7' 0"	=	68.83	Sft	
	6 x	20' 9" x 10' 6"	=	1307.25	Sft	
	2 x	10' 0" x 10' 6"	=	210.00	Sft	
				<u>3283.58</u>	Sft	
<b>Deduction</b>						
Grill	1 x	9' 0" x 7' 0"	=	63.00	Sft	
D	10 x	3' 6" x 7' 0"	=	245.00	Sft	
D2	4 x	2' 6" x 7' 0"	=	70.00	Sft	
W	6 x	5' 0" x 4' 0"	=	120.00	Sft	
W1	1 x	3' 0" x 4' 0"	=	12.00	Sft	
V	1 x	2' 0" x 2' 0"	=	4.00	Sft	
				<u>514.00</u>	Sft	
				2769.58	Sft	
				257.39	Sqm	
			@	Rs 227.10	Rs	58453.27

**12 20mm thick cement plaster (1:6) finished smooth to brick or stone masonry after racking out joints, including watering, curing, cost, conveyance, taxes, royalties & labour with T&P etc. complete.**

**Outer Plastering**

	2 x	41' 11" x 12' 11"	=	1082.85	Sft	
	2 x	53' 0" x 6' 0"	=	636.00	Sft	
	2 x	51' 6" x 6' 0"	=	618.00	Sft	
	2 x	29' 0" x 6' 0"	=	348.00	Sft	



2	x	27'6"	x	6'0"	=	330.00	Sft
2	x	22'3"	x	12'11"	=	574.79	Sft
						<u>3589.64</u>	Sft

**Deduction**

Grill	1	x	9'0"	x	7'0"	=	63.00	Sft
Main gate	2	x	12'0"	x	7'0"	=	168.00	Sft
D	2	x	3'6"	x	7'0"	=	49.00	Sft
W1	1	x	3'0"	x	4'0"	=	12.00	Sft
W	6	x	5'0"	x	4'0"	=	120.00	Sft
V	1	x	2'0"	x	2'0"	=	4.00	Sft
						<u>416.00</u>	Sft	
						<b>3173.64</b>	Sft	
						<b>294.95</b>	Smt	
					@	Rs 160.60	Rs. 47368.97	

**13 Fixing of tiles in floors, Trades of steps & Landing over 25mm thick bed of cement mortar 1:1 jointed with cement slurry mixed with pigments to match the shade of the tiles, including rubbing & polishing etc. complete including cost, conveyance, taxes & royalties of all materials, labour with T&P complete in all respect.**

**Granite Tiles**

Rooms	1 x	20' 9" x	40' 5" "	=	838.65	Sft	
				=	<u>838.65</u>	Sft	
					77.94	Sqm	
				@	Rs 2782.97	Rs.	216904.68

**14 Dressed Seasonal Sal Wood Work Wrought & Put up ,framed and fixed in burghas,rafters,and posts,including cutting groves,drilling holes,mending to size etc.including cost of all materials& labour with T&P etc. Complete.**

D	12 x	0' 3" x	0' 4" x	7' 0" "	=	6.93	ctf
	12 x	0' 3" x	0' 4" x	3' 6" "	=	3.46	ctf
D2	4 x	0' 2" x	0' 3" x	7' 0" "	=	1.12	ctf
	4 x	0' 2" x	0' 3" x	2' 6" "	=	0.20	ctf
W	12 x	0' 3" x	0' 4" x	5' 0" "	=	4.95	ctf
	12 x	0' 3" x	0' 4" x	4' 0" "	=	3.96	ctf
W1	2 x	0' 3" x	0' 4" x	4' 0" "	=	0.66	ctf
	2 x	0' 3" x	0' 4" x	3' 0" "	=	0.49	ctf
					=	<u>21.77</u>	ctf
						0.62	Cum
				@	Rs 85425.10	Rs.	52963.56

**15 Priming one coat to wall surface including cost of all materials and labour with T&P etc complete in all respect.**

**Inside**

Same as inside Plastering. Vide item no.11

**Celling**

Same as Out side Plastering. Vide item no.12

	=	2769.58	Sft
	=	838.65	Sft
	=	3173.64	Sft
	=	<u>6781.87</u>	Sft
		630.28	Sqm
@	Rs	67.90	Rs.
			42796.00

**16 wall painting two coats with weather coat of approved make to give an even shade etc including cost of all materials,taxes & labour with T&P etc complete in all floors as per the direction of EIC.**

Same as Out side Plastering. Vide item no.12

	=	3173.64	Sft
	=	294.95	Sqm
@	Rs	80.10	Rs.
			23625.00

**17 Supplying, fitting, fixing of shutters wood work.(door and window)**

LS 70000.00

**Total Rs. 1715136.05**

## First Floor

### 18 K.B Brick masonry in cement mortar (1:6)in

superstructure using K.B. Bricks of 9" size.

Long Wall	3 x	41' 11" x	0' 9" x	10' 0"	=	943.13	Cft
	1 x	4' 11" x	0' 5" x	7' 0"	=	14.34	Cft
Short Wall	4 x	20' 0" x	0' 9" x	10' 0"	=	600.00	Cft
	1 x	10' 0" x	0' 9" x	10' 0"	=	75.00	Cft
						<u>1713.37</u>	Cft

#### Deduction

Column						70.88	Cft
lintel						81.93	Cft
D	7 x	3' 6" x	0' 9" x	7' 0"	=	128.63	Cft
D2	2 x	2' 6" x	0' 9" x	7' 0"	=	26.25	Cft
W	6 x	5' 0" x	0' 9" x	4' 0"	=	90.00	Cft
W1	1 x	3' 0" x	0' 9" x	4' 0"	=	9.00	Cft
V	1 x	2' 0" x	0' 9" x	2' 0"	=	3.00	Cft
						<u>409.69</u>	Cft
						1303.68	Cft
						36.91	Cum

@ Rs 5516.60 Rs. 203617.71

### 19 R.C.C work M-20

#### a Column

	9 x	0' 9" x	0' 9" x	9' 3"	=	46.83	Cft
						1.33	Cum

@ Rs 6569.76 Rs. 8737.78

#### b Lintel

	3 x	41' 11" x	0' 9" x	0' 6"	=	47.16	Cft
	1 x	4' 11" x	0' 5" x	0' 6"	=	1.02	Cft
	4 x	20' 0" x	0' 9" x	0' 6"	=	30.00	Cft
	1 x	10' 0" x	0' 9" x	0' 6"	=	3.75	Cft
						<u>81.93</u>	Cft
						2.32	Cum

@ Rs 6569.76 Rs. 15241.84

#### c Roof slab

	1 x	22' 3" x	41' 11" x	0' 4"	=	310.88	Cft
	1 x	4' 0" x	38' 2" x	0' 4"	=	50.89	Cft
	1 x	4' 0" x	22' 3" x	0' 4"	=	29.87	Cft
						391.44	Cft
						11.08	Cum

@ Rs 6569.76 Rs. 72792.94

#### d Beam

	3 x	45' 11" x	0' 9" x	0' 6"	=	51.66	Cft
	3 x	26' 3" x	0' 9" x	0' 6"	=	29.53	Cft
	1 x	22' 3" x	0' 9" x	0' 6"	=	8.34	Cft
						<u>89.53</u>	Cft
						2.53	Cum

@ Rs 6569.76 Rs. 16621.49

### 20 Tor steel reinforcement bars in R.C.C works

17.26 x 0.8 = 12.95 qntl

@ Rs 10043.20 Rs. 130059.44

21 Rigid Smooth Centering & Shuttering For R.C.C Work  
Including False Work And dismantling ther after  
casting and cost of materials etc.complete as  
directed by the engineer in charge

1 x	20' 9 "	x	40' 5 "	=	838.51	Sft
					<u>838.51</u>	Sft
					77.93	Smt
@	Rs				806.30	Rs.

62834.96

22 16mm thick cement plaster in cm (1:6) finished  
smooth to brick masonry including racking out joints  
including watering, curing, cost, conveyance, taxes,  
royalties, labour with T&P etc. complete in all  
In side

4 x	40' 5 "	x	10' 6 "	=	1697.50	Sft
2 x	4' 11 "	x	7' 0 "	=	68.83	Sft
6 x	20' 9 "	x	10' 6 "	=	1307.25	Sft
2 x	10' 0 "	x	10' 6 "	=	210.00	Sft
					<u>3283.58</u>	Sft

Deduction

D	11 x	3' 6 "	x	7' 0 "	=	269.50	Sft
D2	4 x	2' 6 "	x	7' 0 "	=	70.00	Sft
W	6 x	5' 0 "	x	4' 0 "	=	120.00	Sft
W1	1 x	3' 0 "	x	4' 0 "	=	12.00	Sft
V	1 x	2' 0 "	x	2' 0 "	=	4.00	Sft

475.50 Sft

2808.08 Sft

260.97 Sqm

@ Rs 232.40 Rs

60649.43

23 20mm thick cement plaster (1:6) finished smooth to  
brick or stone masonry after racking out joints,  
including watering, curing, cost, conveyance, taxes,  
royalties & labour with T&P etc. complete.

Outer Plastering

2 x	41' 11 "	x	10' 11 "	=	915.18	Sft
2 x	22' 3 "	x	10' 11 "	=	485.79	Sft
					<u>1400.97</u>	Sft

Deduction

D	3 x	3' 6 "	x	7' 0 "	=	73.50	Sft
W1	1 x	3' 0 "	x	4' 0 "	=	12.00	Sft
W	6 x	5' 0 "	x	4' 0 "	=	120.00	Sft
V	1 x	2' 0 "	x	2' 0 "	=	4.00	Sft

209.50 Sft

1191.47 Sft

110.73 Smt

@ Rs 164.10 Rs.

18170.79

24 Fixing of tiles in floors, Trades of steps & Landing over 25mm thick bed of cement mortar 1:1 jointed with cement slurry mixed with pigments to match the shade of the tiles, including rubbing & polishing etc. complete including cost, conveyance, taxes & royalties of all materials, labour with T&P complete in all respect.

**Granite Tiles**

Rooms	1 x	20' 9"	x	40' 5"	=	838.65	Sft	
Deduction					=	28.69	Sft	
						<u>809.96</u>	Sft	
						75.27	Sqm	
					@	Rs 2793.50	Rs.	210266.75

25 Dressed Seasonal Sal Wood Work Wrought & Put up, framed and fixed in burghas, rafters, and posts, including cutting grooves, drilling holes, mending to size etc. including cost of all materials & labour with T&P etc. Complete.

D	14 x	0' 3"	x	0' 4"	x	7' 0"	=	8.08	cft
	14 x	0' 3"	x	0' 4"	x	3' 6"	=	4.04	cft
D2	4 x	0' 2"	x	0' 3"	x	7' 0"	=	1.12	cft
	4 x	0' 2"	x	0' 3"	x	2' 6"	=	0.20	cft
W	12 x	0' 3"	x	0' 4"	x	5' 0"	=	4.95	cft
	12 x	0' 3"	x	0' 4"	x	4' 0"	=	3.96	cft
W1	2 x	0' 3"	x	0' 4"	x	4' 0"	=	0.66	cft
	2 x	0' 3"	x	0' 4"	x	3' 0"	=	0.49	cft
						<u>23.50</u>			cft
						0.66			Cum
					@	Rs 85425.10	Rs.	56380.57	

26 Priming one coat to wall surface including cost of all materials and labour with T&P etc complete in all respect.

**Inside**

Same as inside Plastering. Vide item no.10

**Celling**

Same as Out side Plastering. Vide item no.11

						2808.08	Sft.	
						= 809.96	Sft	
						<u>1191.47</u>	Sft	
						4809.51	Sft	
						446.98	Sqm	
					@	Rs 69.50	Rs.	31065.11

27 Wall painting two coats with weather coat of approved shade & approved make to give an even shade etc including cost of all materials, taxes & labour with T&P etc. complete in all floors as per the direction of EIC.

Same as Out side Plastering. Vide item no.12

						= 110.73	Sft	
					@	Rs 82.70	Rs.	9157.37

28 Supplying, fitting, fixing of shutters wood work.(door and window)

						LS		70000.00
						<b>Total</b>	<b>Rs.</b>	<b>965596.18</b>

Electrification  
PH & Sanitary works

Ground Floor	Rs.	1715136.05
First Floor	Rs.	965596.18
Add Gst 18%	Rs.	482531.00
G. Total	Rs.	3163263.23
	Say	Rs. 3163261.00
		Rs. 30000.00
		Rs. 32739.00
G. Total	Rs.	3226000.00
	Say	Rs. 32.26 Lakh

Rupees Thirtytwo lakh Twentysix Thousand

*Spahan*  
Technical Consultant  
Civil Engg.  
District Engineer  
Sakshya Ganjam  
Sanaknemundi Block

*Mydala*  
Asst. Conservator of Forest  
I/c. Berhampur Range

Certified that The Estimate has been prepared as per the revised GST schedule of Rate of 2017 and current labour wages and 1% labour cess & GST 18% included in analysis .The supervision charges has not been included during preparation of the Estimate.

*Spahan*  
Technical Consultant  
Civil Engg.  
District Engineer  
Sakshya Ganjam  
Sanaknemundi Block

*Mydala*  
Asst. Conservator of Forest  
I/c. Berhampur Range

**ANALYSIS OF RATES**

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
1	Earth work in hard soil or gravelly soil with in 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7 cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge.				
	Unit = Cum (A/R 2006-1(2a)-Page No-2)				
	Taking output = 100 Cum				
a)	<b>Labour</b>				
	Man Mulia unskilled	Each	21.50	345.00	7417.50
	Woman Mulia unskilled	Each	21.50	345.00	7417.50
					<b>14835.00</b>
b)	Overhead charges @ 7.5% on (a)		7.5%	14835.00	1112.63
c)	Contractors Profit @ 7.5% on (a)		7.5%	14835.00	1112.63
	Cost per 100 Cum = a+b+c				<b>17060.25</b>
d)	Add 20% for excavation of foundation		20%	17060.25	<b>3412.05</b>
					<b>20472.30</b>
	Add towards Labour Cess @ 1%		1%	20472.30	204.72
					<b>20677.02</b>
	Rate per 1 Cum				206.77
			<b>Say</b>	<b>206.80</b>	<b>per cum</b>
2	Filling foundation and plinth with excavated earth complete with all.				
	For 1 Cum -2/3 rd of item-4(a)		0.67	227.70	151.8024748
	Add towards Labour Cess @ 1%		1%	151.80	1.52
				Total	<b>153.32</b>
				<b>Say</b>	<b>153.30</b>
3	Plain cement concrete (1:4:8) with 40 mm hard granite metal in foundation as per Drawing and Technical Specification				
	Unit = Cum (A/R 2006-Page No-43 item-4)				
	Taking output = 1 cum				
a)	<b>Materials</b>				
	40mm size H.G.C.B metal	Cum	0.96	995.25	955.44
	Sand (screened & washed)	Cum	0.48	66.23	31.79
	Cement	Qntl	1.72	674.00	1159.28
					<b>2146.51</b>
b)	<b>Labour</b>				
	Mason 2nd class	Each	0.18	435.00	78.30
	Man Mulia	Each	2.50	345.00	862.50
	Woman Mulia	Each	1.40	345.00	483.00
					<b>1423.80</b>
c)	Overhead charges @ 7.5% on (a+b)		7.5%	3570.31	267.77
d)	Contractor's Profit @ 7.5% on (a+b)		7.5%	3570.31	267.77
e)	<b>Carriage &amp; Royalty</b>				
	40mm size H.G.C.B metal	Cum	0.96	810.51	778.09
	Sand (screened & washed)	Cum	0.48	755.26	362.52
	Cement	Qntl	1.72	30.73	52.86
					<b>1193.47</b>
	Rate per Cum = a+b+c+d+e				5299.33
	Add towards Labour Cess @ 1%		1%	5299.33	52.99
					<b>5352.32</b>
			<b>Say</b>	<b>5352.30</b>	
4	Plain cement concrete (1:3:6) with 12mm size Crosser broken hard granite metal with cost of all labour & materials.				
	Unit = Cum (A/R 2006/III/9-Page No-45 item-9)				
	Taking output = 1 cum				
a)	<b>Materials</b>				

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
	12mm size H.G.C.B metal	Cum	0.9	1396.62	1256.96
	Sand (screened & washed)	Cum	0.45	66.23	29.80
	Cement	Qntl	2.15	674.00	1449.10
					<b>2735.86</b>
<b>b) Labour</b>					
	Mason 2nd class	Each	0.68	435.00	295.80
	Man Mullia	Each	3.20	345.00	1104.00
	Woman Mullia	Each	1.40	345.00	483.00
					<b>1882.80</b>
<b>c) Overhead charges @ 7.5% on (a+b)</b>			7.5%	4618.66	346.40
<b>d) Contracor's Profit @ 7.5% on (a+b)</b>			7.5%	4618.66	346.40
<b>e) Carriage &amp; Royalty</b>					
	12mm size H.G.C.B metal	Cum	0.96	810.51	778.09
	Sand (screened & washed)	Cum	0.48	755.26	362.52
	Cement	Qntl	1.72	30.73	52.86
					<b>1193.47</b>
<b>Rate per Cum = a+b+c+d+e</b>					6504.93
<b>Add towards Labour Cess @ 1%</b>			1%	6504.93	65.05
					<b>6569.98</b>
				<b>Say</b>	<b>6570.00</b>
<b>5</b>	<b>RRHG stone masonry 1:6 in foundation &amp; plinth including cost of all materials, labour, T&amp;P, etc. complete. (As per A.R. 75/3)</b>				
<b>a) Materials</b>					
	RR stone	Cum	1.00	221.83	221.83
	Sand	Cum	0.34	66.23	22.52
	Cement	Qtl	0.815	674.00	549.38
					<b>793.73</b>
<b>b) Labour</b>					
	Mason 1st class	Each	0.35	495.00	173.25
	Mason 2nd class	Each	1.41	435.00	613.35
	Man and woman mullia	Each	3.17	345.00	1093.65
					<b>1880.25</b>
					<b>2673.98</b>
<b>c) Overhead charges @ 7.5% on (a+b)</b>			7.5%	2673.98	200.55
<b>d) Contracor's Profit @ 7.5% on (a+b)</b>			7.5%	2673.98	200.55
<b>e) Lead &amp; Rayality of</b>					
	RR stone	Cum	1.00	552.47	552.47
	Sand	Cum	0.34	755.26	89.72
	Cement	Qntl	0.8151	30.73	13.18
					<b>655.37</b>
<b>Rate per Cum = a+b+c+d+e</b>				Rs.	3730.45
<b>Add towards Labour Cess @ 1%</b>			1%	3730.45	37.30
				Rs.	<b>3767.75</b>
				<b>Say</b>	<b>Rs. 3767.75</b>
<b>6</b>	<b>Fly ash Brick Masonry in Cement Mortar (1:6) using bricks of size (23 Cm. x 11 Cm. x 8Cm.) in foundation and plinth</b>				
	Unit = Cum (A/R 2006-Page No-71 item-3)				
	Taking output = 1 cum				
<b>a) Materials</b>					
	Bricks	1000	400.00	4554.88	1821.95
	Sand (screened & washed)	Cum	0.28	66.23	18.54
	Cement	Qntl	0.672	674.00	452.93
					<b>2293.42</b>
<b>b) Labour</b>					
	Mason Special	Each	0.35	495.00	173.25



Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
	Mason 2nd class	Each	1.05	435.00	456.75
	Man Mulia	Each	1.55	345.00	534.75
	Woman Mulia	Each	1.41	345.00	486.45
					<b>1651.20</b>
c)	Overhead charges @ 7.5% on (a+b)		7.5%	3944.62	295.85
d)	Contractor's Profit @ 7.5% on (a+b)		7.5%	3944.62	295.85
e)	Carriage & Royalty				
	Bricks	1000	400	926.92	370.77
	Sand (screened & washed)	Cum	0.28	755.26	211.47
	Cement	Qntl	0.672	30.73	20.65
					<b>602.89</b>
	Rate per Cum = a+b+c+d+e				5139.21
	Add towards Labour Cess @ 1%		1%	5139.21	51.39
					<b>5190.60</b>
				<b>Say</b>	<b>5190.60</b>
(A)	For Superstructure Brick(1:6)				
	Rate as above				5190.60
	Add extra towards Labour & scaffolding charges				33.00
	Overhead Charges on extra labour		7.5%	33.00	2.48
	Contractor's Profit		7.5%	33.00	2.48
	Add towards extra Labour Cess @ 1%		1%	37.95	0.38
					5228.93
				<b>Say</b>	<b>5228.90</b>
(B)	For First Floor Brick(1:6)				
	Rate as above				5228.93
	Add extra Labour		15%	1651.20	247.68
	Overhead Charges on extra labour		7.5%	247.68	18.58
	Contractor's Profit		7.5%	247.68	18.58
	Add towards extra Labour Cess @ 1%		1%	284.83	2.85
					5516.61
				<b>Say</b>	<b>5516.60</b>
7	Rigid and smooth centering & shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete (Gr Floor)				
	i) R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjes upto 4.3m height				
	Unit = sqm (A/R 2006-Page No-53 item-10)				
	Taking output = 9 sqm				
a)	Materials				
	Non sal wood scanting	Cum	0.112	58374.79	6537.98
	Planks 38mm	Cum	0.340	58374.79	19847.43
	120mm dia sal bullah	Mtr	56.00	51.87	2904.72
	Carriage of wood	Cum	1.142	198.30	226.45
					<b>29516.58</b>
	Considering 10 times use of the materials, for use once			For 1 time cost	<b>2951.66</b>
b)	Labour				
	Carpenter 2nd class	Each	2.75	435.00	1196.25
	Semi skilled Mulia	Each	2.75	385.00	1058.75
					<b>2255.00</b>
c)	Overhead charges @ 7.5% on (a+b)		7.5%	5206.66	390.50
d)	Contractor's Profit @ 7.5% on (a+b)		7.5%	5206.66	390.50
	Rate per 9Sqm = a+b+c+d				5987.66
	Rate per Sqm = (a+b+c+d)/9				665.30
	Add towards Labour Cess @ 1%		1%	665.30	6.65
					<b>671.95</b>
				<b>Say</b>	<b>671.90</b>

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
<b>(A) For First Floor</b>					
	Rate as above				671.95
	Add extra		20%	671.95	134.39
					806.34
				<b>Say</b>	<b>806.30</b>
ii) R.C.C. stairs excluding landing but including railing					
Unit = sqm (A/R 2006-Page No-53 item-10)					
Taking output = 5 sqm					
a) Materials					
	Non sal wood 38mm thick planks	Cum	0.228	58374.79	13309.45
	Non sal wood scantling	Cum	0.039	58374.79	2276.62
	120mm dia non sal bullah	Mtr	6.500	41.81	271.77
	Carriage of wood	Cum	0.350	198.30	69.40
					<b>15927.24</b>
	Considering 10 times use of the materials, for use once			For 1 time cost	<b>1592.72</b>
b) Labour					
	Carpenter 2nd class	Each	2.75	435.00	1196.25
	Semi skilled Mullia	Each	2.75	385.00	1058.75
					<b>2255.00</b>
	c) Overhead charges @ 7.5% on (a+b)		7.5%	3847.72	288.58
	d) Contracor's Profit @ 7.5% on (a+b)		7.5%	3847.72	288.58
	Rate per 5Sqm = a+b+c+d				<b>4424.88</b>
	Rate per Sqm = (a+b+c+d)/5				<b>884.98</b>
	Add towards Labour Cess @ 1%		1%	884.98	8.85
					<b>893.83</b>
				<b>Say</b>	<b>893.80</b>
<b>(A) For First Floor</b>					
	Rate as above				893.83
	Add extra		20%	893.83	178.77
					1072.59
				<b>Say</b>	<b>1072.60</b>
iii) R.C.C. foundation , plinth band and footings bases of columns, mass concrete pre-cast slabs etc					
Unit = sqm (A/R 2006-Page No-54 item-10)					
Taking output = 10 sqm					
a) Materials					
	25mm thick non sal planks	Cum	0.267	58374.79	15586.07
	Non-sal bullah 80mm dia for strutting	Mtr	12.600	30.81	388.21
	Carriage of wood	Cum	0.3284	198.30	65.12
					<b>16039.40</b>
	Considering 10 times use of the materials, for use once			For 1 time cost	<b>1603.94</b>
b) Labour					
	Carpenter 2nd class	Each	0.50	435.00	217.50
	Semi skilled Mullia	Each	0.50	385.00	192.50
					<b>410.00</b>
	c) Overhead charges @ 7.5% on (a+b)		7.5%	2013.94	151.05
	d) = Contracor's Profit @ 7.5% on (a+b)		7.5%	2013.94	151.05
	Rate per 10Sqm = a+b+c+d				<b>2316.03</b>
	Rate per Sqm = (a+b+c+d)/10				<b>231.60</b>
	Add towards Labour Cess @ 1%		1%	231.60	2.32
					<b>233.92</b>
				<b>Say</b>	<b>233.90</b>
<b>(A) For First Floor</b>					
	Rate as above				233.92
	Add extra		20%	233.92	46.78
					280.70

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
				<b>Say</b>	<b>280.70</b>
iv)	R.C.C. beams, column, grider and bressmer, etc. Unit = sqm (A/R 2006-Page No-54 item-10) Taking output = 4.2 sqm				
a)	<b>Materials</b>				
	38mm thick non sal planks	Cum	0.218	58374.79	12725.70
	120mm dia sal bullah	Mtr	15.200	51.87	788.42
	80mm dia sal bullah for bracing	Mtr	8.000	51.87	414.96
	Carriage of wood	Cum	0.456	198.30	90.42
					<b>14019.51</b>
	Coinsidering 10 times use of the materials, for use once			For 1 time cost	<b>1401.95</b>
b)	<b>Labour</b>				
	Carpenter 2nd class	Each	2.75	435.00	1196.25
	Semi skilled Mullua	Each	2.75	385.00	1058.75
					<b>2255.00</b>
c)	Overhead charges @ 7.5% on (a+b)		7.5%	3656.95	274.27
d)	Contracor's Profit @ 7.5% on (a+b)		7.5%	3656.95	274.27
	Rate per 4.2Sqm = a+b+c+d				<b>4205.49</b>
	Rate per Sqm = (a+b+c+d)/4.2				<b>1001.31</b>
	Add towards Labour Cess @ 1%		1%	1001.31	10.01
					<b>1011.32</b>
				<b>Say</b>	<b>1011.30</b>
(A)	<b>For First Floor</b>				
	Rate as above				1011.32
	Add extra		20%	1011.32	202.26
					1213.59
				<b>Say</b>	<b>1213.60</b>
v)	R.C.C. Lintels (A/R 2006-Page No-54 item-10) Unit = sqm Taking output = 7.8 sqm				
a)	<b>Materials</b>				
	38mm thick non sal planks	Cum	0.413	58374.79	24108.79
	120mm dia non sal bullah	Mtr	21.000	41.81	878.01
	Carriage of wood	Cum	0.689	198.30	136.63
					<b>25123.42</b>
	Coinsidering 10 times use of the materials, for use once			For 1 time cost	<b>2512.34</b>
b)	<b>Labour</b>				
	Carpenter 2nd class	Each	1.25	435.00	543.75
	Semi skilled Mullua	Each	1.25	385.00	481.25
					<b>1025.00</b>
c)	Overhead charges @ 7.5% on (a+b)		7.5%	3537.34	265.30
d)	Contracor's Profit @ 7.5% on (a+b)		7.5%	3537.34	265.30
	Rate per 7.8Sqm = a+b+c+d				<b>4067.94</b>
	Rate per Sqm = (a+b+c+d)/7.8				<b>521.53</b>
	Add towards Labour Cess @ 1%		1%	521.53	5.22
					<b>526.75</b>
				<b>Say</b>	<b>526.75</b>
(A)	<b>For First Floor</b>				
	Rate as above				526.75
	Add extra		20%	526.75	105.35
					632.10
				<b>Say</b>	<b>632.10</b>
vi)	R.C.C. Walls and fins (A/R 2006-Page No-55 item-10) Unit = sqm Taking output = 23.9 sqm				

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
a)	<b>Materials</b>				
	38mm thick non sal planks	Cum	0.954	58374.79	55689.55
	Non sal wood scantling	Cum	0.269	58374.79	15702.82
	120mm dia non sal buliah	Mtr	100.800	41.81	4214.45
	Carriage of wood	Cum	2.461	198.30	488.01
					<b>76094.82</b>
	Coinsidering 10 times use of the materials, for use once		For 1 lime cost		<b>7609.48</b>
b)	<b>Labour</b>				
	Carpenter 2nd class	Each	13.50	435.00	5872.50
	Semi skilled Mulua	Each	13.50	385.00	5197.50
					<b>11070.00</b>
c)	Overhead charges @ 7.5% on (a+b)		7.5%	18679.48	1400.96
d)	Contracor's Profit @ 7.5% on (a+b)		7.5%	18679.48	1400.96
	Rate per 23.9Sqm = a+b+c+d				<b>21481.40</b>
	Rate per Sqm = (a+b+c+d)/23.9				<b>898.80</b>
	Add towards Labour Cess @ 1%		1%	898.80	8.99
					<b>907.79</b>
				<b>Say</b>	<b>907.79</b>
(A)	<b>For First Floor</b>				
	Rate as above				907.79
	Add extra		20%	907.79	181.56
					<b>1089.35</b>
				<b>Say</b>	<b>1089.30</b>
B	<b>R.C.C. work of M-20 grade with 20mm and down grade black hard granite (crusher broken) stone chips including hoisting and laying</b>				
	Unit = cum (A/R 2006-Page No-50 Item-4)				
	Taking output = 15 cum				
a)	<b>Materials</b>				
	20mm size H.G.C.B chips	Cum	8.10	1382.29	11196.55
	10mm size H.G.C.B chips	Cum	5.40	1407.77	7601.96
	Sand (screened & washed)	Cum	6.75	66.23	447.05
	Cement	MT	5.21	6740.00	35115.40
					<b>54360.96</b>
b)	<b>Labour</b>				
	Mate	Each	0.86	385.00	331.10
	Mason 2nd class	Each	1.50	435.00	652.50
	Woman Mulua	Each	20.00	345.00	6900.00
					<b>7883.60</b>
c)	<b>Machinery</b>				
	Concrete Mixer (cap. 0.40/0.28 cum)	Hour	6.00	229.55	1377.30
	Generator 33 kva	Hour	6.00	700.00	4200.00
					<b>5577.30</b>
d)	Overhead charges @ 7.5% on (a+b+c)		7.5%	67821.86	5086.64
e)	Contracor's Profit @ 7.5% on (a+b+c)		7.5%	67821.86	5086.64
f)	<b>Carriage &amp; Royalty</b>				
	20mm size H.G.C.B chips	Cum	8.10	810.51	6565.13
	10mm size H.G.C.B chips	Cum	5.40	810.51	4376.75
	Sand (screened & washed)	Cum	6.75	755.26	5098.01
	Cement	MT	5.21	89.50	466.30
					<b>16506.19</b>
	Rate per 15 Cum = a+b+c+d+e+f				<b>94501.32</b>
	Rate per Cum = (a+b+c+d+e+f)/15				6300.09
	Add towards Labour Cess @ 1%		1%	6300.09	63.00
					<b>6363.09</b>
				<b>Say</b>	<b>6363.10</b>

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
	<b>For First Floor R.C.C M-20</b>				
	Rate as above				6363.09
	Add extra Labour		15%	525.57	78.84
	Overhead Charges on extra labour		7.5%	78.84	5.91
	Contractor's Profit		7.5%	78.84	5.91
	Add towards extra Labour Cess @ 1%		1%	90.66	0.91
					6454.66
				<b>Say</b>	<b>6454.70</b>
a	<b>R.C.C. work of M-20 grade Column Footing / Pile cap / Raft</b>				
	<b>Unit = cum</b>				
	Rate as above				6363.09
	Add towards Centering & Shuttering	Sqm	1.50	233.92	350.88
					6713.97
				<b>Say</b>	<b>6714.00</b>
b	<b>R.C.C. work of M-20 grade Plinth Beam</b>				
	<b>Unit = cum</b>				
	Rate as above				6363.09
	Add towards Centering & Shuttering	Sqm	5.00	233.92	1169.60
					7532.68
				<b>Say</b>	<b>7532.70</b>
c	<b>R.C.C. work of M-20 grade Column &amp; Beam in Ground Floor</b>				
	<b>Unit = cum</b>				
	Rate as above				6363.09
	Add towards Centering & Shuttering	Sqm	8.00	1011.32	8090.57
					14453.66
				<b>Say</b>	<b>14453.70</b>
	<b>For First Floor Column , Beam</b>				
	Rate as above				6454.66
	Add towards Centering & Shuttering	Sqm	8.00	1213.59	9708.68
					16163.34
				<b>Say</b>	<b>16163.30</b>
d	<b>R.C.C. work of M-20 grade Lintel in Ground Floor</b>				
	<b>Unit = cum</b>				
	Rate as above				6363.09
	Add towards Centering & Shuttering	Sqm	14.00	526.75	7374.45
					13737.54
				<b>Say</b>	<b>13737.50</b>
	<b>For First Floor Lintel</b>				
	Rate as above				6454.66
	Add towards Centering & Shuttering	Sqm	14.00	632.10	8849.34
					15304.00
				<b>Say</b>	<b>15304.00</b>
e	<b>R.C.C. work of M-20 grade Chajja (65 mm av. Thick) in Ground Floor</b>				
	<b>Unit = Sqm</b>				
	Rate as above	Cum	0.065	6363.09	413.60
	Add towards Centering & Shuttering	Sqm	1.10	671.95	739.14
					1152.74
				<b>Say</b>	<b>1152.70</b>
	<b>For First Floor Chajja</b>				
	Rate as above	Cum	0.065	6454.66	419.55
	Add towards Centering & Shuttering	Sqm	1.10	806.34	886.97
					1306.52
				<b>Say</b>	<b>1306.50</b>
f	<b>R.C.C. work of M-20 grade Roof Slab in Ground Floor</b>				

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
	Unit = cum				
	Rate as above				6363.09
	Add towards Centering & Shuttering	Sqm	10.00	671.95	6719.48
					13082.57
				<b>Say</b>	<b>13082.60</b>
	<b>For First Floor Roof Slab</b>				
	Rate as above				6454.66
	Add towards Centering & Shuttering	Sqm	10.00	806.34	8063.38
					14518.03
				<b>Say</b>	<b>14518.00</b>
<b>g</b>	<b>R.C.C. work of M-20 grade Stair Case in Ground Floor</b>				
	Unit = cum				
	Rate as above				6363.09
	Add towards Centering & Shuttering	Sqm	9.00	893.83	8044.44
					14407.53
				<b>Say</b>	<b>14407.50</b>
	<b>For First Floor Stair Case</b>				
	Rate as above				6454.66
	Add towards Centering & Shuttering	Sqm	9.00	1072.59	9653.32
					16107.98
				<b>Say</b>	<b>16108.00</b>
<b>h</b>	<b>R.C.C. work of M-20 grade Shelves (37.5 mm Thick) in Ground Floor</b>				
	Unit = Sqm				
	Rate as above	Cum	0.0375	6363.09	238.62
	Add towards Centering & Shuttering	Sqm	1.10	671.95	739.14
					977.76
				<b>Say</b>	<b>977.80</b>
	<b>For First Floor Shelves</b>				
	Rate as above	Cum	0.0375	6454.66	242.05
	Add towards Centering & Shuttering	Sqm	1.10	806.34	886.97
					1129.02
				<b>Say</b>	<b>1129.00</b>
<b>j</b>	<b>R.C.C. work of M-20 grade Fins(80 mm thick) in Ground Floor</b>				
	Unit = Sqm				
	Rate as above	Cum	0.08	6363.09	509.05
	Add towards Centering & Shuttering	Sqm	2.00	907.79	1815.58
					2324.63
				<b>Say</b>	<b>2324.60</b>
	<b>For First Floor Fins</b>				
	Rate as above	Cum	0.08	6454.66	516.37
	Add towards Centering & Shuttering	Sqm	2.00	1089.35	2178.70
					2695.07
				<b>Say</b>	<b>2695.10</b>
<b>9</b>	<b>Supplying, fitting and placing uncoated HYSD bar reinforcement complete as per drawing and technical specifications in Ground Floor</b>				
	Unit = Qntl. (A/R 2006-Page No-52 Item-9)				
	Taking output = 1MT				
<b>a)</b>	<b>Materials</b>				
	HYSD bars including 5 percent overlaps and wastage	MT	1.05	76981.82	80830.91
	Binding wire	Kg.	8.00	90.10	720.80
					<b>81551.71</b>
<b>b)</b>	<b>Labour</b>				
	Mate	Each	0.44	385.00	169.40

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
	Blacksmith Special	Each	3.00	495.00	1485.00
	Man Mulia	Each	8.00	345.00	2760.00
					<b>4414.40</b>
c)	Overhead charges @ 7.5% on (a+b)		7.5%	85966.11	<b>6447.46</b>
d)	Contractor's Profit @ 7.5% on (a+b)		7.5%	85966.11	<b>6447.46</b>
e)	Carriage & Royalty				
	HYSD bars including 5 percent overlaps and wastage	MT	1.05	307.32	322.69
					<b>322.69</b>
	Rate per 1 MT = a+b+c+d+e				99183.71
	Rate per 1 Qnt = (a+b+c+d+e)/10				9918.37
	Add towards Labour Cess @ 1%		1%	9918.37	99.18
					<b>10017.56</b>
			<b>Say</b>	<b>10017.56</b>	Qntl
(A)	For First Floor reinforcement				
	Rate as above				10017.56
	Add extra Labour		5%	441.44	22.07
	Overhead Charges on extra labour		7.5%	22.07	1.66
	Contractor's Profit		7.5%	22.07	1.66
	Add towards extra Labour Cess @ 1%		1%	25.38	0.25
					10043.19
				<b>Say</b>	<b>10043.20</b>
10	12mm thick Cement Plaster (1:6) over Brick Masonry finished smooth in Inside				
	Unit = Sqm (A/R 2006-Page No-103 item-4)				
	Taking output = 1Sqm				
a)	Materials				
	Sand	Cum	0.015	66.23	0.99
	Cement	Qntl.	0.0358	674.00	24.13
					<b>25.12</b>
b)	Labour				
	Mason 2nd Class	Each	0.14	435.00	60.90
	Man Mulia	Each	0.07	345.00	24.15
	Woman Mulia	Each	0.05	345.00	17.25
					<b>102.30</b>
c)	Overhead charges @ 7.5% on (a+b)		7.5%	127.42	<b>9.56</b>
d)	Contractor's Profit @ 7.5% on (a+b)		7.5%	127.42	<b>9.56</b>
e)	Carriage & Royalty				
	Sand	Cum	0.015	755.26	11.33
	Cement	Qntl.	0.0358	30.73	1.10
					<b>12.43</b>
	Rate per 1 Sqm = a+b+c+d+e				158.97
	Add towards Labour Cess @ 1%		1%	158.97	1.59
					<b>160.55</b>
			<b>Say</b>	<b>160.60</b>	
(A)	For First Floor (12 mm C.P Inside wall)				
	Rate as above				160.55
	Add extra Labour		3%	102.30	3.07
	Overhead Charges on extra labour		7.5%	3.07	0.23
	Contractor's Profit		7.5%	3.07	0.23
	Add towards extra Labour Cess @ 1%		1%	3.53	0.04
					164.12
			<b>Say</b>	<b>164.10</b>	
11	16mm thick Cement Plaster (1:6) over Brick Masonry finished smooth in Ground Floor				
	Unit = Sqm (A/R 2006-Page No-105 item-14)				

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
	<b>Taking output = 1Sqm</b>				
a)	<b>Materials</b>				
	Sand	Cum	0.018	66.23	1.19
	Cement	Qntl.	0.043	674.00	28.98
					<u>30.17</u>
b)	<b>Labour</b>				
	Mason 2nd Class	Each	0.16	435.00	69.60
	Man Mulia	Each	0.13	345.00	44.85
	Woman Mulia	Each	0.11	345.00	37.95
					<u>152.40</u>
c)	<b>Overhead charges @ 7.5% on (a+b)</b>		7.5%	182.57	13.69
d)	<b>Contractor's Profit @ 7.5% on (a+b)</b>		7.5%	182.57	13.69
e)	<b>Carriage &amp; Royalty</b>				
	Sand	Cum	0.018	755.26	13.59
	Cement	Qntl.	0.043	30.73	1.32
					<u>14.92</u>
	<b>Rate per 1 Sqm = a+b+c+d+e</b>				224.88
	<b>Add towards Labour Cess @ 1%</b>		1%	224.88	2.25
					<u>227.13</u>
				<b>Say</b>	<b>227.10</b>
(A)	<b>For First Floor (16 mm C.P INSIDE)</b>				
	Rate as above				227.13
	<b>Add extra Labour</b>		3%	152.40	4.57
	<b>Overhead Charges on extra labour</b>		7.5%	4.57	0.34
	<b>Contractor's Profit</b>		7.5%	4.57	0.34
	<b>Add towards extra Labour Cess @ 1%</b>		1%	5.26	0.05
					<u>232.44</u>
				<b>Say</b>	<b>232.40</b>
26	<b>Priming one coat with approved Water Bound Wall cement Primer on Plastered Surface in Ground Floor</b>				
	Unit = Sqm (A/R 2006-Page No-93 item-1)				
	<b>Taking output = 9.3Sqm</b>				
a)	<b>Labour</b>				
	Painter Special	Each	0.50	495.00	247.50
	Man Mulia	Each	0.50	345.00	172.50
					<u>420.00</u>
	<b>Add towards cost of Water Bound Wall Cement Primer</b>		Ltr	0.780	159.03
					<u>124.04</u>
b)	<b>Overhead charges @ 7.5% on (a)</b>		7.5%	544.04	40.80
c)	<b>Contractor's Profit @ 7.5% on (a)</b>		7.5%	544.04	40.80
	<b>Rate per 9.3 Sqm = a+b+c</b>				625.65
	<b>Rate per 1 Sqm = (a+b+c)/9.3</b>				67.27
	<b>Add towards Labour Cess @ 1%</b>		1%	67.27	0.67
					<u>67.95</u>
				<b>Say</b>	<b>67.90</b>
	<b>Inside Walls</b>				
(A)	<b>For First Floor one coat Primer on Plastered Surface</b>				
	Rate as above				67.95
	<b>Add extra Labour</b>		3%	45.16	1.35
	<b>Overhead Charges on extra labour</b>		7.5%	1.35	0.10
	<b>Contractor's Profit</b>		7.5%	1.35	0.10
	<b>Add towards extra Labour Cess @ 1%</b>		1%	1.56	0.02
					<u>69.52</u>
	<b>Inside Walls</b>				<b>Say</b>
					<b>69.50</b>
	<b>Outside Walls</b>				
(A)	<b>For First Floor one coat Primer on Plastered Surface</b>				



Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
	Rate as above				67.95
	Add extra Labour		5%	45.16	2.28
	Overhead Charges on extra labour		7.5%	2.26	0.17
	Contractor's Profit		7.5%	2.26	0.17
	Add towards extra Labour Cess @ 1%		1%	2.60	0.03
					70.57
	<b>Outside Walls</b>			<b>Say</b>	<b>70.60</b>
27	Wall Painting two coats with approved Plastic Emulsion Paint in Ground Floor.				
	Unit = Sqm (A/R 2006-Page No-99 item-20)				
	Taking output = 10Sqm				
	a) Labour				
	Painter Special	Each	0.54	495.00	267.30
	Man Mulla	Each	0.64	345.00	220.80
					<b>488.10</b>
	Add towards cost of Plastic Emulsion Paint	Ltr	1.250	249.34	311.68
	b) Overhead charges @ 7.5% on (a)		7.5%	799.78	<b>59.98</b>
	c) Contractor's Profit @ 7.5% on (a)		7.5%	799.78	<b>59.98</b>
	Rate per 10 Sqm = a+b+c				<b>919.74</b>
	Rate per 1 Sqm = (a+b+c)/10				91.97
					<b>91.97</b>
	Add towards Labour Cess @ 1%		1%	91.97	0.92
					92.89
				<b>Say</b>	<b>92.90</b>
(A)	For First Floor (INSIDE) two coats Plastic Emulsion Paint				
	Rate as above				92.89
	Add extra Labour		3%	48.81	1.46
	Overhead Charges on extra labour		7.5%	1.46	0.11
	Contractor's Profit		7.5%	1.46	0.11
	Add towards extra Labour Cess @ 1%		1%	1.68	0.02
					94.59
				<b>Say</b>	<b>94.60</b>
29	Painting two coats with any approved colour of weather seal coat to out side surface of wall in Ground Floor				
	Unit = Sqm (A/R 2006-Page No-99 item-20)				
	Taking output = 10Sqm				
	a) Labour				
	Painter Special	Each	0.54	495.00	267.30
	Man Mulla	Each	0.64	345.00	179.20
					<b>446.50</b>
	Add towards cost of Weather Seal Coat	Ltr	1.250	194.79	243.49
	b) Overhead charges @ 7.5% on (a)		7.5%	689.99	<b>51.75</b>
	c) Contractor's Profit @ 7.5% on (a)		7.5%	689.99	<b>51.75</b>
	Rate per 10 Sqm = a+b+c				<b>793.49</b>
	Rate per 1 Sqm = (a+b+c)/10				79.35
					<b>79.35</b>
	Add towards Labour Cess @ 1%		1%	79.35	0.79
					80.14
				<b>Say</b>	<b>80.10</b>
(A)	For First Floor Weather seal coat 2 coats				
	Rate as above				80.14
	Add extra Labour		5%	44.65	2.23
	Overhead Charges on extra labour		7.5%	2.23	0.17
	Contractor's Profit		7.5%	2.23	0.17
	Add towards extra Labour Cess @ 1%		1%	2.57	0.03
					82.74

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
				Say	82.70
32	Supplying, fitting & fixing of 10 mm thick & size of 600x600 mm Glazed Vitrified floor tiles (GVT) of matt finish(WOODEN FINISH/RUSTIC FINISH) with velicraft (VC ) shield( Scratch free/stain free) with water absorption limit between 0.08% to 3% and conforming to IS : 15622:2006 (Group B lb), laid on 20 mm thick cement mortar (1:4) (1 cement : 4 course sand) and filling joints with white cement of approved quality including cost of all materials, labour T&P etc. required for the work all complete as per direction of the Engineer-in-charge (for New Work only )				
	Unit = Sqm (S/R 2012- Other Building Item-1(B))				
	Taking output = 10Sqm				
	<b>a) Materials</b>				
	600x600 mm Vitrified Tiles	Sqm	10.000	571.65	5716.50
	Sand	Cum	0.210	66.23	13.91
	Cement	Qntl.	0.744	674.00	501.46
	Cement for slurry	Qntl.	0.330	674.00	222.42
	White Cement	Qntl.	0.076	2017.18	153.31
					<b>6607.59</b>
	<b>b) Labour</b>				
	Mason Special	Each	2.16	495.00	1069.20
	Man Mulia	Each	2.16	345.00	745.20
					<b>1814.40</b>
	<b>c) Overhead charges @ 7.5% on (a+b)</b>		7.5%	8421.99	631.65
	<b>d) Contractor's Profit @ 7.5% on (a+b)</b>		7.5%	8421.99	631.65
	<b>e) Carriage &amp; Royalty</b>				
	600x600 mm Vitrified Tiles	Sqm	10.000	11.24	112.35
	Sand	Cum	0.210	755.26	158.60
	Cement	Qntl.	0.744	30.73	22.86
	Cement for slurry	Qntl.	0.330	30.73	10.14
	White Cement	Qntl.	0.076	30.73	2.34
					<b>306.30</b>
	Rate per 10 Sqm = a+b+c+d+e				9991.58
	Rate per 1 Sqm = ( a+b+c+d+e)/10				999.16
	Add towards Labour Cess @ 1%		1%	999.16	9.99
					<b>1009.15</b>
				Say	<b>1009.15</b>
(A)	<b>For First Floor</b>				
	Rate as above				1009.15
	Add extra Labour		5%	181.44	9.07
	Overhead Charges on extra labour		7.5%	9.07	0.68
	Contractor's Profit		7.5%	9.07	0.68
	Add towards extra Labour Cess @ 1%		1%	10.43	0.10
					1019.69
				Say	<b>1019.70</b>
33	Supplying, fitting & fixing of 10 mm thick & size of 300x300 mm Ceramic floor tiles of matt finish laid on 20 mm thick cement mortar (1:4) (1 cement : 4 course sand) and filling joints with white cement of approved quality including cost of all materials, labour T&P etc. required for the work all complete as per direction of the Engineer-in-charge (for New Work only )				
	Taking output = 10Sqm				
	<b>a) Materials</b>				
	300x300 mm Ceramic Tiles	Sqm	10.000	314.96	3149.60
	Sand	Cum	0.210	66.23	13.91
	Cement	Qntl.	0.740	674.00	498.76

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
	Cement for slurry	Qntl.	0.330	674.00	222.42
	White Cement	Qntl.	0.076	2017.18	153.31
					<b>4037.99</b>
<b>b)</b>	<b>Labour</b>				
	Mason Special	Each	2.16	495.00	1069.20
	Man Mulia	Each	2.16	345.00	745.20
					<b>1814.40</b>
<b>c)</b>	<b>Overhead charges @ 7.5% on (a+b)</b>		7.5%	5852.39	438.93
<b>d)</b>	<b>Contractor's Profit @ 7.5% on (a+b)</b>		7.5%	5852.39	438.93
<b>e)</b>	<b>Carriage &amp; Royalty</b>				
	600x600 mm Vitrified Tiles	Sqm	10.000	11.24	112.35
	Sand	Cum	0.210	755.26	158.60
	Cement	Qntl.	0.744	30.73	22.86
	Cement for slurry	Qntl.	0.330	30.73	10.14
	White Cement	Qntl.	0.076	30.73	2.34
					<b>306.30</b>
	<b>Rate per 10 Sqm = a+b+c+d+e</b>				7036.55
	<b>Rate per 1 Sqm = (a+b+c+d+e)/10</b>				703.65
	Add towards Labour Cess @ 1%		1%	703.65	7.04
					<b>710.69</b>
				<b>Say</b>	<b>710.69</b>
<b>(A) For First Floor</b>					
	Rate as above				710.69
	Add extra Labour		5%	181.44	9.07
	Overhead Charges on extra labour		7.5%	9.07	0.68
	Contractor's Profit		7.5%	9.07	0.68
	Add towards extra Labour Cess @ 1%		1%	10.43	0.10
					721.23
				<b>Say</b>	<b>721.20</b>
<b>34</b>	<b>Supplying, fitting &amp; fixing of Germ free Ceramic wall tiles of premium grade of size 600x300mm having thickness 6.5mm to 6.7mm conforming to IS 13753 in dados, skirting and risers of steps laid on 12 mm thick cement mortar (1:3) (1 cement : 3 course sand) jointed with slurry mixed with pigment to match the shades of the tiles etc. complete including cost of all materials, labour T&amp;P etc. required for the work all complete as per direction of the Engineer-in-charge</b>				
	Unit = Sqm (A/R 2006-Page No-90 item-17)				
	Taking output = 10Sqm				
<b>a)</b>	<b>Materials</b>				
	Germ free Ceramic wall tiles	Sqm	10.000	277.17	2771.70
	Sand	Cum	0.150	66.23	9.93
	Cement	Qntl.	0.715	674.00	481.91
	Cement for slurry	Qntl.	0.660	674.00	444.84
					<b>3708.38</b>
<b>b)</b>	<b>Labour</b>				
	Mason Special	Each	3.25	495.00	1608.75
	Man Mulia	Each	3.25	345.00	1121.25
	Semiskilled Mulia for rubbing	Each	7.60	320.00	0.00
					<b>2730.00</b>
<b>c)</b>	<b>Overhead charges @ 7.5% on (a+b)</b>		7.5%	6438.38	482.88
<b>d)</b>	<b>Contractor's Profit @ 7.5% on (a+b)</b>		7.5%	6438.38	482.88
<b>e)</b>	<b>Carriage &amp; Royalty</b>				
	Germ free Ceramic wall tiles	Sqm	10.000	11.24	112.35
	Sand	Cum	0.150	755.26	113.29
	Cement	Qntl.	0.715	30.73	21.97

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
	Cement for slurry	Qntl.	0.660	16.17	10.87
					<b>258.29</b>
	Rate per 10 Sqm = a+b+c+d+e				7862.43
	Rate per 1 Sqm = (a+b+c+d+e)/10				786.24
	Add towards Labour Cess @ 1%		1%	786.24	7.86
					<b>773.91</b>
				<b>Say</b>	<b>773.90</b>
<b>(A) For First Germ free Ceramic wall tiles</b>					
	Rate as above				773.91
	Add extra Labour		5%	273.00	13.65
	Overhead Charges on extra labour		7.5%	13.65	1.02
	Contractor's Profit		7.5%	13.65	1.02
	Add towards extra Labour Cess @ 1%		1%	15.70	0.16
					789.76
				<b>Say</b>	<b>789.80</b>
<b>35</b>	<b>Supplying, fitting &amp; fixing of Verified tiles in dadoes, skirting and risers of steps laid on 12 mm thick cement mortar (1:3) (1 cement : 3 course sand) jointed with slurry mixed with pigment to match the shades of the tiles etc. complete including cost of all materials, labour T&amp;P etc. required for the work all complete as per direction of the Engineer-in-charge</b>				
	Unit = Sqm (A/R 2006-Page No-90 item-17)				
	Taking output = 10Sqm				
	<b>a) Materials</b>				
	Verified wall tiles	Sqm	10.000	571.65	5716.50
	Sand	Cum	0.150	66.23	9.93
	Cement	Qntl.	0.715	674.00	481.91
	Cement for slurry	Qntl.	0.660	674.00	444.84
					<b>6653.18</b>
	<b>b) Labour</b>				
	Mason Special	Each	3.25	495.00	1608.75
	Man Mulia	Each	3.25	345.00	1121.25
	Semiskilled Mulia for rubbing	Each	7.60	320.00	0.00
					<b>2730.00</b>
	<b>c) Overhead charges @ 7.5% on (a+b)</b>		7.5%	9383.18	<b>703.74</b>
	<b>d) Contractor's Profit @ 7.5% on (a+b)</b>		7.5%	9383.18	<b>703.74</b>
	<b>e) Carriage &amp; Royalty</b>				
	Germ free Ceramic wall tiles	Sqm	10.000	11.24	112.35
	Sand	Cum	0.150	755.26	113.29
	Cement	Qntl.	0.715	30.73	21.97
	Cement for slurry	Qntl.	0.660	30.73	20.28
					<b>267.90</b>
	Rate per 10 Sqm = a+b+c+d+e				11058.56
	Rate per 1 Sqm = (a+b+c+d+e)/10				1105.86
	Add towards Labour Cess @ 1%		1%	1105.86	11.06
					<b>1116.91</b>
				<b>Say</b>	<b>1116.90</b>
<b>(A) For First verified wall tiles</b>					
	Rate as above				1116.91
	Add extra Labour		5%	273.00	13.65
	Overhead Charges on extra labour		7.5%	13.65	1.02
	Contractor's Profit		7.5%	13.65	1.02
	Add towards extra Labour Cess @ 1%		1%	15.70	0.16
					1132.77
				<b>Say</b>	<b>1132.80</b>

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
33	Supplying, fitting & fixing of Granite Tiles of minimum 20mm thick and above 0.40 sqm of approved make in floors laid on 20 mm thick cement mortar (1:4) (1 cement : 4 course sand) and filling joints with white cement of approved quality including cost of all materials, labour T&P etc. required for the work all complete as per direction of the Engineer-in-charge (for New Work only ) Taking output = 10Sqm				
a)	<b>Materials</b>				
	Granite Tiles	Sqm	10.000	2098.83	20988.30
	Sand	Cum	0.210	66.23	13.91
	Cement	Qntl.	0.744	674.00	501.46
	Cement for slurry	Qntl.	0.330	674.00	222.42
	White Cement	Qntl.	0.076	2017.18	153.31
					<b>21879.39</b>
b)	<b>Labour</b>				
	Mason Special	Each	2.16	495.00	1069.20
	Man Mulia	Each	2.16	345.00	745.20
					<b>1814.40</b>
c)	Overhead charges @ 7.5% on (a+b)		7.5%	23693.79	1777.03
d)	Contractor's Profit @ 7.5% on (a+b)		7.5%	23693.79	1777.03
e)	<b>Carriage &amp; Royalty</b>				
	Granite Tiles	Sqm	10.000	11.24	112.35
	Sand	Cum	0.210	755.26	158.60
	Cement	Qntl.	0.744	30.73	22.86
	Cement for slurry	Qntl.	0.330	30.73	10.14
	White Cement	Qntl.	0.076	30.73	2.34
					<b>306.30</b>
	Rate per 10 Sqm = a+b+c+d+e				27554.15
	Rate per 1 Sqm =( a+b+c+d+e)/10				2755.42
	Add towards Labour Cess @ 1%		1%	2755.42	27.55
					<b>2782.97</b>
				<b>Say</b>	<b>2782.97</b>
(A)	<b>For First Floor</b>				
	Rate as above				2782.97
	Add extra Labour		5%	181.44	9.07
	Overhead Charges on extra labour		7.5%	9.07	0.68
	Contractor's Profit		7.5%	9.07	0.68
	Add towards extra Labour Cess @ 1%		1%	10.43	0.10
					2793.51
				<b>Say</b>	<b>2793.50</b>
39	Supplying, fitting & fixing of Granite Tiles of minimum 20mm thick and above 0.40 sqm of approved make in floors laid on 20 mm thick cement mortar (1:4) (1 cement : 4 course sand) and filling joints with slurry including cost of all materials, labour T&P etc. required for the work all complete incl. rubbing as per direction of the Engineer-in-charge				
	Unit = Sqm(S/R 2012- Other Building item-1(B) Taking output = 10Sqm				
a)	<b>Materials</b>				
	Granite tiles	Sqm	10.000	1645.67	16456.70
	Sand	Cum	0.210	66.23	13.91
	Cement	Qntl.	0.744	674.00	501.46
	Cement for slurry	Qntl.	0.330	674.00	222.42
	Cement for grouting	Qntl.	0.076	674.00	51.22
					<b>17245.71</b>
b)	<b>Labour</b>				

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
	Mason Special	Each	2.16	495.00	1069.20
	Semi Skilled Mulia for rubbing	Each	5.50	385.00	2117.50
	Man Mulia	Each	2.16	345.00	745.20
					<u>3931.90</u>
c)	Overhead charges @ 7.5% on (a+b)		7.5%	21177.61	1588.32
d)	Contractor's Profit @ 7.5% on (a+b)		7.5%	21177.61	1588.32
e)	Carriage & Royalty				
	Chequered tiles	Sqm	10.000	11.24	112.35
	Sand	Cum	0.210	755.26	158.60
	Cement	Qntl.	0.744	30.73	22.86
	Cement for slurry	Qntl.	0.330	30.73	10.14
	Cement for grouting	Qntl.	0.076	30.73	2.34
					<u>306.30</u>
	Rate per 10 Sqm = a+b+c+d+e				24660.55
	Rate per 1 Sqm = (a+b+c+d+e)/10				2466.05
	Add towards Labour Cess @ 1%		1%	2466.05	24.66
					<u>2490.72</u>
				<b>Say</b>	<b>2490.72</b>
(A) For First Floor					
	Rate as above				2490.72
	Add extra Labour		5%	393.19	19.66
	Overhead Charges on extra labour		7.5%	19.66	1.47
	Contractor's Profit		7.5%	19.66	1.47
	Add towards extra Labour Cess @ 1%		1%	22.61	0.23
					<u>2513.55</u>
				<b>Say</b>	<b>2513.50</b>
42	2.5 cm thick grading concrete (1:2:2) on roof slab with 6.7mm & down grades size hard granite crusher broken chips on new work in Ground Floor				
	Unit = Sqm (A/R 2006-Page No-47 item-17)				
	Taking output = 1 Sqm				
a)	Materials				
	4.7 mm size hard granite C.B chips	Cum	0.0169	813.91	13.76
	Sand	Cum	0.0169	66.23	1.12
	Cement	Qntl.	0.1208	674.00	81.42
					<u>96.29</u>
b)	Labour				
	Mason Special	Each	0.10	495.00	49.50
	Man Mulia	Each	0.36	345.00	124.20
					<u>173.70</u>
c)	Overhead charges @ 7.5% on (a+b)		7.5%	269.99	20.25
d)	Contractor's Profit @ 7.5% on (a+b)		7.5%	269.99	20.25
e)	Carriage & Royalty				
	4.7 mm size hard granite C.B chips	Cum	0.0169	810.51	13.70
	Sand	Cum	0.0169	755.26	12.76
	Cement	Qntl.	0.1208	30.73	3.71
					<u>30.17</u>
	Rate per 1 Sqm = a+b+c+d+e				340.67
	Add towards Labour Cess @ 1%		1%	340.67	3.41
					<u>344.07</u>
				<b>Say</b>	<b>344.10</b>
(A) For First Floor 2.5 cm thick grading concrete (1:2:2)					
	Rate as above				344.07
	Add extra Labour		15%	173.70	26.06
	Overhead Charges on extra labour		7.5%	26.06	1.95
	Contractor's Profit		7.5%	26.06	1.95

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
	Add towards extra Labour Cess @ 1%		1%	29.96	0.30
					374.34
				<b>Say</b>	<b>374.30</b>
<b>44</b>	<b>Dressed seasoned sal wood work framed and fixed (wrought and put up) in frames of doors, windows &amp; ventilabours</b>				
	Unit = Cum (A/R 2006-Page No-132 item-2)				
	Taking output = 0.028 Cum				
a)	<b>Materials</b>				
	Sal wood scantling sawn	Cum	0.028	58374.79	1634.49
					<b>1634.49</b>
b)	<b>Labour</b>				
	Carpenter Special	Each	0.50	495.00	247.50
	Man Mulia	Each	0.50	345.00	172.50
					<b>420.00</b>
c)	Overhead charges @ 7.5% on (a+b)		7.5%	2054.49	154.09
d)	Contractor's Profit @ 7.5% on (a+b)		7.5%	2054.49	154.09
e)	Carriage of wood @ 169.00/1.25 cum	Cum	0.028	198.30	5.55
					<b>5.55</b>
	Rate per 0.028 Cum = a+b+c+d+e				2368.22
	Rate per 1 Cum = (a+b+c+d+e)/0.028				84579.30
	Add towards Labour Cess @ 1%		1%	84579.30	845.79
					<b>85425.10</b>
				<b>Say</b>	<b>85425.10</b>
<b>45</b>	<b>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</b>				
	Unit = Sqm (A/R 2006-Page No-132 item-3)				
	Taking output = 1.88 Sqm				
a)	<b>Materials</b>				
	Piasal wood planks for shutters	Cum	0.06656	48822.41	3249.62
	Wooden hinged cleats	Each	2.00	12.50	25.00
					<b>3274.62</b>
b)	<b>Labour</b>				
	<u>Making Shutters</u>				
	Carpenter Special = 2 nos. x Rs. 430.00 = Rs. 860.00				
	Helper to Carpenter = 2 nos. x Rs. 320.00 = Rs. 640.00				
	<b>Rs. 1,500.00</b>				
		Sqm	1.88	Rs. 1,500.00	2820.00
	<u>Fixing Shutters</u>				
	Carpenter 2nd Class	Each	1.00	435.00	435.00
	Man Mulia	Each	1.00	345.00	345.00
					<b>780.00</b>
c)	Overhead charges @ 7.5% on (a+b)		7.5%	6874.62	515.60
d)	Contractor's Profit @ 7.5% on (a+b)		7.5%	6874.62	515.60
e)	Carriage of wood @ 147.00/1.25 cum	Cum	0.06656	198.30	13.20
					<b>13.20</b>
	Rate per 1.88 Sqm = a+b+c+d+e				7919.01
	Rate per 1 Sqm = (a+b+c+d+e)/1.88				<b>4212.24</b>
e)	<b>Fitting &amp; Fixing of Iron Materials</b>				
	Butt Hinges 75mm	Each	6	6.30	37.80
	Handle 125mm	Each	2	22.05	44.09
	Tower Bolt 250mm	Each	2	47.24	94.49
	Aldrop 250mm	Each	2	173.23	346.46
	Screw 12mm x4mm for Hinges 6 Nos.	Each	48	0.26	12.47
	Screw 12mm x 4mm for Tower Bolts 2 Nos.	Each	20	0.26	5.20
	Screw 50mm x 8mm for Aldrop 2 Nos.	Each	32	0.65	20.66

Sl. No.	Items of works	Unit	Quantity	Rate(Rs)	Amount(Rs)
	Rate per 1.88 Sqm				561.17
	Rate per 1 Sqm				298.49
	Total Rate per 1 Sqm		4212.24	+	298.49
	Add towards Labour Cess @ 1%			1%	4510.73
					<u>4555.84</u>
				Say	4555.80

  
**Technical Consultant**  
**BE in Civil Engg.**  
**Dist. Project Co-ordinator**  
**Samagra Sikhya Ganjam**  
**Sanakhemundi Block**

  
**Asst. Conservator of Forest**  
**I/c. Berhampur Range**



**LEAD STATEMENT**

**RATE ANALYSIS FOR FORESTER QUARTER (FLYING SQUADRY) ONG SHED BERHAMPUR AS PER SR-2014 on GST.**

Sl. No	Name of the Materials	Unit	Name of the Quarry	Lead in K.M	Lat 5 Km	Next up to 30 Km / Km	Amount	Beyond 30 Km / Km	Total carrying c/Transp	Cost Rs per S/R	Royalty	Over (less) over (royalty)	Ass. Charge	Total (Without Royalty)	Total	Total exclud mg cost
1	Sand for Filling	Cum		40	278.01	10	132	0	408.01	62.86	35.00	3.50	307.00	470.87	818.12	755.26
2	Crush & Sharp Sand	Cum		40	278.01	10	132	0	408.01	66.23	35.00	3.50	307.00	474.24	824.49	755.26
3	40 mm size CBHG, MUDA	Cum		5	278.01	20	284	0	540.01	986.25	130.00	13.00	121.00	1335.28	1805.76	810.51
4	20mm size CBHG chips	Cum		5	278.01	20	284	0	540.01	1382.29	130.00	13.00	121.00	1922.30	2192.80	810.51
5	12 mm size CBHG chips	Cum		5	278.01	20	284	0	540.01	1396.52	130.00	13.00	121.00	1936.63	2207.13	810.51
6	10mm size CBHG chips	Cum		5	278.01	20	284	0	540.01	1407.77	130.00	13.00	121.00	1947.78	2218.28	810.51
7	4.75mm size CBHG Chips	Cum		5	278.01	20	284	0	540.01	813.91	130.00	13.00	121.00	1353.92	1624.42	810.51
8	Fly Ash Brick (size 23 cm x 11 cm x 8cm)	1000 Nos		5	664.1	10	294.55	0	958.65	4554.88				5481.80	926.92	
9	Fly ash bricks of 23 Cm. x 12 Cm. x 8 Cm	1000 Nos		5	664.1	10	294.55	0	958.65	5142.55				6201.20	1158.65	
10	K.B. Brick Khasa Brick	Cum		5	278.01	10	130.2	0	408.21	388.25	35.00	3.50		794.47	834.72	448.46
11	Cement	Qnt		5	247.87	5	59.45	0	307.32	674.00				704.73	704.73	30.73
12	White Cement	Qnt		5	247.87	5	59.45	0	307.32	2017.18				2047.91	2047.91	30.73
13	HYSD Rod	MT		5	247.87	5	59.45	0	307.32	76987.82				77295.14	77295.14	307.32
14	Bending Wire	Kg		5	247.87	5	59.45	0	307.32	90.10				397.42	397.42	158.30
15	New 5/4 wood scaffolding Jirka	Cum		5	247.87	0	0	0	198.30	58374.79				2110.07	2110.07	11.24
16	Grate Tees 20mm dia. (above 0.40 sqm)	Sqm		5	9.6	5	1.64	0	11.24	2088.83				511.44	511.44	11.24
17	Kota lites 15mm thick (above 0.10 sqm)	Sqm		5	9.6	5	1.64	0	11.24	500.20				689.59	689.59	11.24
18	Industrial Vitrified tile (premium)	Sqm		5	9.6	5	1.64	0	11.24	578.35				855.99	855.99	11.24
19	Decorated Tile	Sqm		5	9.6	5	1.64	0	11.24	234.75				707.00	707.00	11.24
20	Vitrified tile (Colour)	Sqm		5	9.6	5	1.64	0	11.24	659.76				416.44	416.44	11.24
21	Ceramic wall tile (Premium)	Sqm		5	9.6	5	1.64	0	11.24	405.20				159.03	159.03	0.00
22	Wall Primer	lt		5	278.01	5	155.08	0	194.79	194.79				249.34	249.34	0.00
23	Weather Coat	lt		5	278.01	5	155.08	0	194.79	194.79				155.08	155.08	0.00
24	Plastic Emulsion Paint	lt		5	278.01	5	155.08	0	194.79	194.79				155.08	155.08	0.00
25	Wood Primer	lt		5	278.01	5	155.08	0	194.79	194.79				155.08	155.08	0.00
26	9.5 mm dia. Iron @25%	Cum		25	278.01	20	260.4	0	536.41	888.00	130.00	13.00	121.00	1416.41	1666.91	808.91
27	4.75mm dia. Iron @22.5%	Cum		25	278.01	20	260.4	0	536.41	813.91	130.00	13.00	121.00	1350.32	1560.82	808.91
28	Over 2.5mm dia. Iron @22.5%	Cum		25	278.01	20	260.4	0	536.41	113.29	130.00	13.00	121.00	649.80	920.91	808.91
29	Labour time	Cum		25	278.01	20	260.4	0	536.41	718.47	130.00	13.00	121.00	1294.08	1525.38	808.91

Noted that the bid statement furnished above is checked & minimum to the best of my knowledge & belief.

Forest Range Officer, Berhampur

STEEL RATE (JANUARY 2020)

Diameter in mm	Weight in kg/m	Length	Weight per piece in kg	Rate per 1000 kg	Rate per Ton
8	0.395	12	4.740	249.00	51667.76 / Ton
10	0.612	12	7.404	365.00	49297.68 / Ton
12	0.888	12	10.556	516.00	48704.95 / Ton
16	1.578	12	18.936	921.00	48690.33 / Ton
20	2.466	12	29.592	1421.00	48087.32 / Ton

Rate per

Knock	0	0.60 /Yard
Undercut	0	0.00 /Yard
A.C.C	0	0.00 /Yard
Total	0	0.00 /Yard

Average Rate from existing CST @ 25%  
Product cost of empty cement bag  
0.00 /Yard  
0.00

0.00 /Yard

/Ton

*Speherna*  
**Technical Consultant**  
**BE in Civil Engg.**  
**Dist. Project Co-ordinator**  
**Samsanakhemundi Block**  
**Sanak...**

*M. J. J. J.*  
**Asst. Conservator of Forest**  
**M.C. Berhampur Range**

# OFFICE CUM RESIDENTIAL BUILDING PLAN OF FORESTER QUARTER



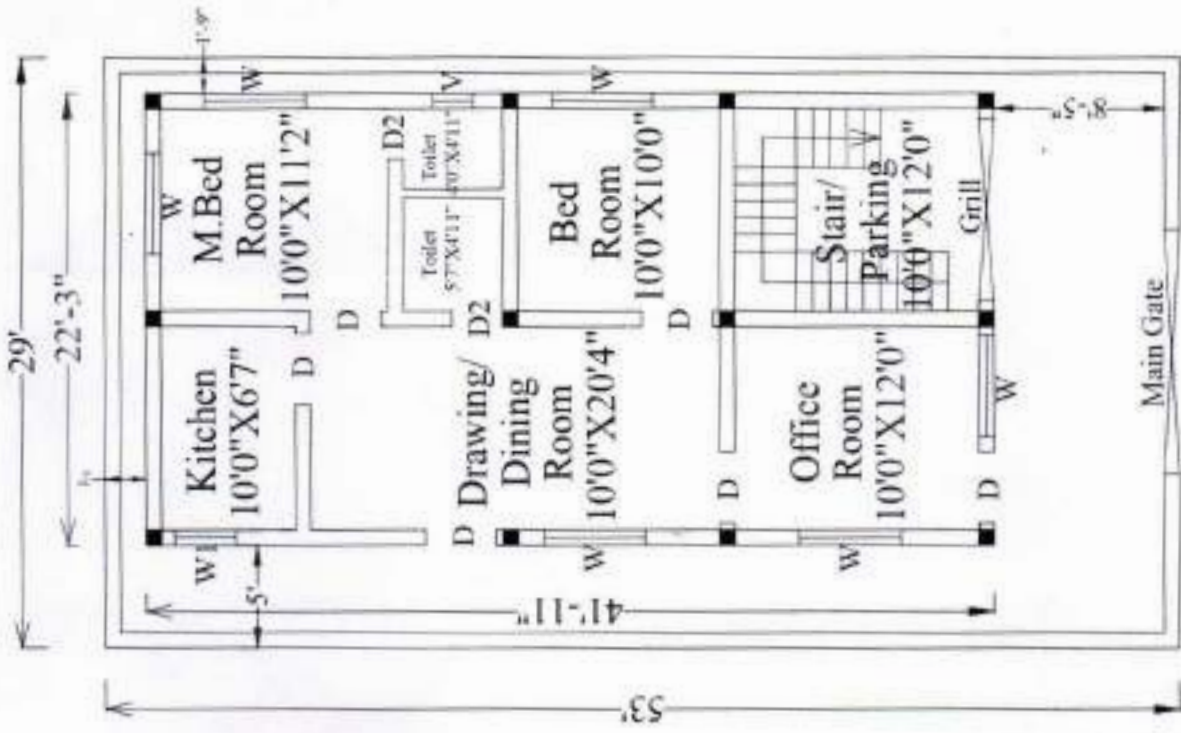
*Arjun*  
 Technical Consultant  
 BE in Civil Engg.  
 Dist. Project Co-ordinator  
 Samagra Sikhya Gan  
 Sarakhemundi B.L.

*July 2018*  
 Asst. Conservator of Forest  
 I/c. Berhampur Range

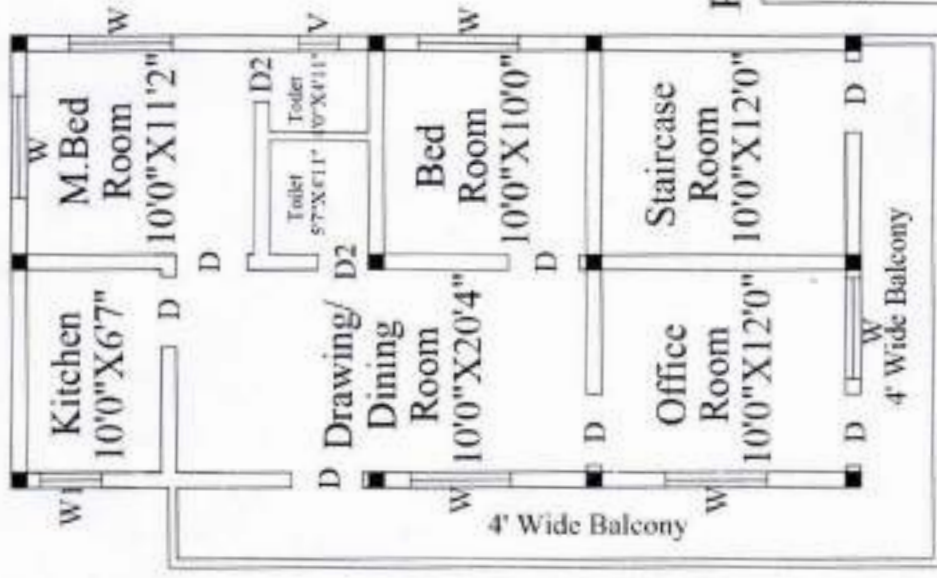
Plinth Area-932.50 Sft.

## JOINERY

- M. Gate = 12'0" X 6'0"
- Grill = 9'0" X 7'0"
- D = 3'6" X 7'0"
- D2 = 2'6" X 7'0"
- W = 5'0" X 4'0"
- W1 = 3'0" X 4'0"
- V = 2'0" X 0'0"



GROUND FLOOR PLAN



FIRST FLOOR PLAN

				Sub Total:	115870.90
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<b>Labour</b>					
111	Carpenter 1st Class	day	28	448	12544.00
114	Beldar	day	23	298	6,854.00
	TOTAL			Sub Total:	19,398.00
					1,35,268.90
	Add CP&OH @ 15%				20290.34
9999	Carriage of material etc.	L.S.	89.35	2	178.70
	TOTAL				1,55,737.94
	Cost of 100 sqm				1,55,737.94
	Cost of 1 sqm				1557.38
	Add Cess-1%				15.57
	Cost of 1 sqm				1572.95
				<b>Say:</b>	<b>1573.00</b>

**Rate Analysis for 12.5 mm thick Gypsum Board false ceiling for 100 SQM**

DSR Code 2016	Details of cost for 100 sqm	UNIT	QTY	RATE	AMOUNT
60	Providing and fixing 12.5 mm thick Gypsum board false ceiling at all heights of cost of 12.5mm thick Gypsum board	SQM	105	135.91	14270.55
8555	Main runner Silhoutte 38 15x38x3600MM	each	29.5	185	5457.50
8556	Cross tee Silhoutte 38 15x38x1200MM	each	147	78	11466.00
8557	Cross tee Silhoutte 38 15x38x600MM	each	147	35	5145.00
8591	SHADOW MOULDING 19x7x7x14x3600MM	each	13.5	65	877.50
	SUSPENSION ACCESSORIES				
8558	GI Pre straightened Wire 2.5Mm Dia 1.8M Length	each	72	26	1872.00
8619	GI Hook clip with J wire Assembly	each	72	15	1080.00
8515	GI Anchor Fastner with hnager hole for the wire	each	72	31	2232.00
8211	40mm long SS screws with plastic rawl pluds	100 nos	1	215	215.00
9999	Sundries i.e. Scaffolding etc	L.S.	187.95	2	375.90
				Sub Total:	<b>42991.45</b>
<b>Labour</b>					
111	Carpenter 1st Class	day	28	448	12544.00
114	Beldar	day	23	298	6,854.00
	TOTAL			Sub Total:	<b>19,398.00</b>
					62,389.45
	Add CP&OH @ 15%				9358.42
9999	Carriage of material etc.	L.S.	89.35	2	178.70
	TOTAL				71,926.57
	Cost of 100 sqm				71,926.57
	Cost of 1 sqm				719.27
	Add Cess-1%				7.19
	Cost of 1 sqm				726.46
				<b>Say:</b>	<b>726.50</b>

*Pravin*  
**Technical Consultant**  
**BE in Civil Engg.**  
**Dist. Project Co-ordinator**  
**Samagra Sikhya Ganjam**  
**Sanakhemundi Block**

*Mukul*  
**Asst. Conservator of Forest**  
**Wc. Bertampur Range**

## ABSTRACT

### ESTIMATE OF OFFICE CUM RESIDENTIAL BUILDING PLAN (G+1) OF FORESTER QUARTER (FLYING SQUARD), AT CNG SHED BERHAMPUR

A) Ground Floor	Rs	1645136.05	
Add for door and window	Rs	<u>70000.00</u>	
Total	Rs.	1715136.05	
B) First Floor	Rs	895596.18	
Add for door and window	Rs	<u>70000.00</u>	
Total	Rs.	965596.18	
G. Total	Rs.	2680732.23	
Or Say	Rs.	2680730.00	
C) Add gst 18%	Rs	<u>482531.00</u>	
Total	Rs.	3163261.00	
Electrification	Rs.	30000.00	
P.H. & Sanitary Works	Rs.	32739.00	
G. Total	Rs.	<u>3226000.00</u>	
Or Say	Rs.	32.26	Lakhs
Thirty Two Lakhs Twenty Six Thousand Only			

*[Signature]*  
SIGN. OF TECHNICAL CONSULTANT  
SANGRA SIKHYA, GANJAM  
BE in Civil Engg.

Dist. Project Co-ordinator  
Samagra Sikhya Ganjam  
Sanakhemundi Block

Certified that The Estimate has been prepared as per the revised GST schedule of Rate of 2017 and current labour wages and 1% labour cess & GST 18% included in analysis .The supervision charges has not been included during preparation of the Estimate.

*[Signature]*  
Technical Consultant  
BE in Civil Engg.  
Dist. Project Co-ordinator  
Samagra Sikhya Ganjam  
Sanakhemundi Block

*[Signature]*  
Asst. Conservator of Forest  
Asst. Conservator of Forest  
I/c. Berhampur Range  
I/c- Berhampur Range

*[Signature]*  
Asst. Conservator of Forest  
I/c. Berhampur Range