



OFFICE OF THE DIVISIONAL FOREST OFFICER,

BERHAMPUR DIVISION AT-COURTPETA, BRAHMAPUR-760004

Phone/Fax- 0680-2281354, Mob- +91 7653908594,


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

Re-Tender Call Notice No. 82 /2024/IF Dated 07th March 2024.

TENDER FOR CONSTRUCTION OF ECO-RESORT AT GHODAHADA IN DIGAPAHNDI RANGE OF BERHAMPUR FOREST DIVISION

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 Eco- Resort at Ghodahada of Digapahandi Range of Brahmapur Forest Division |
| 2. | No. of Work | :- | One Eco-Resort at Ghodahada; Digapahandi Range in Brahmapur Division. |
| 3. | Tender Form Cost | :- | Rs.10,000/- only |
| 4. | Estimate Cost | | Rs. 439.575 /- Lakh (Four Crore Thirty Nine Lakh Fifty Seven Thousand Five Hundred) Only (Including GST) . |
| 5. | Class of Contractor | :- | "A" & "B" Class Contractor |
| 6. | Availability of bid document in the Office of the Divisional Forest Officer, Brahmapur Division. | :- | From Dt. 08.03.2024 10.00 A.M. to Dt. 14.03.2024. 5.00 P.M. |
| 7. | Last date and time of submission of bids in tender box of office | | 14.03.2024. at 5.00 PM |
| 8. | Date of opening of Bid | :- | Dt. 15.03.2024 at 11.00 AM |
| 9. | The bidders have to participate in OFF-LINE bidding only. | | |


Divisional Forest Officer
Brahmapur Division



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Phone/Fax- 0680-2281354, Mob- +91 7653908594, E. Mail dfo.berhampur@odisha.gov.in

**Re-Tender Call Notice No.82/1F-(ACCOUNTS)-51/24,
Dated, Brahmapur the 07th March, 2024**

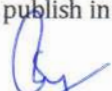
Divisional Forest Officer, Brahmapur Division invites offline in single cover from "A" & "B" class contractor registered with the State Governments and Contractor of equivalent Grade/Class registered with central Government/MES/Railways for execution of civil works on production of definite proof from the appropriate authority in prescribed form to be eventually drawn in Forest Department FORM-P-1 for the work "Construction of Eco- Resort at Ghodahada in Digapahandi Range of Brahmapur Forest Division"

Document Download:

The tender document having detailed instructions and terms & conditions are available on the website www.odishaforest.in/tenders/https://ganjam.nic.in. Detailed sheet for the tender is as under:


Memo No 2029 dt 07.03.2024

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 at least two Odia / English Daily News Papers (All editions).


Divisional Forest Officer
Brahmapur Division

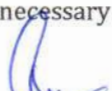
Memo No 2030 dt 07.03.2024

Copy along with its enclosure submitted to the Principal Chief Conservator of Forests, (Wild Life) & Chief Wild Life Warden Odisha, Bhubaneswar for favour of kind information and necessary action.


Divisional Forest Officer
Brahmapur Division

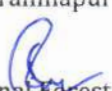
Memo No 2031 dt 07.03.2024

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 Short Tender Notice in the Website of PCCF, Odisha at an early date.


Divisional Forest Officer
Brahmapur Division

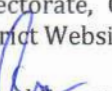
Memo No 2032 dt 07.03.2024

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 2033 dt 07.03.2024

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 Short Tender Notice in the District Website.


Divisional Forest Officer
Brahmapur Division

Memo No 2034 dt 07.03.2024

Copy along with its enclosure forwarded to the All Asst Conservator of Forests, I/c Berhampur Range, I/c Samantiapalli Range, I/c Khallikote Range and Forest Range Officers, Digapahandi Range for information and necessary action. They are instructed to display the Tender Notice on their respective Range Office Notice Board.


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Brahmapur Division



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1. The **DIVISIONAL FOREST OFFICER, BERHAMPUR FOREST DIVISION** on behalf of Governor of Odisha invites 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.
2. Bid documents consisting of plans, specifications, the schedule of quantities and the set of terms & Conditions of contract as follows:

| SI No | Name of the Work | Concerned T.I.A | Appropriate value of Amount (in Rs) | Cost of Bid papers (in Rs) | Cost of EMD (In Rs.) | Class of Bidders | Period of Completion |
|-------|---|--------------------|-------------------------------------|----------------------------|----------------------|------------------|----------------------|
| 1 | 2 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1 | Construction of Eco- Resort at Ghodahada in Digapahandi Range of Brahmapur Forest Division. | Brahmapur Division | Rs 439.575 Lakh | 10,000/- | 4,40,000/- | "A"& "B" Class | 3 Months |

3. The Bid documents will be available in the website: www.odishaforest.in/tenders/<https://ganjam.nic.in>.
4. Bids shall be received only "Offline" from **08.03.2024, 10 AM to 14.03.2024, 05.00 PM**.
5. The Original Documents only through Regd. /Speed post / by person should reach on or before **dated 14.03.24 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. 15.03.2024** 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 on days of opening of tender before the undersigned for verification, otherwise his/her bid shall be 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.

- 9:** Additional Performance Security shall be obtained from the Bidder when the Bid amount is less than estimated cost put to tender. In such an event only the successful bidder who has quoted less bid price rates than 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, Brahmapur 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.
- 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 Bidding 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 failing which the concerned tender paper of the Bidder will be canceled without any further correspondence.
- 16:** The Authority reserves the right to cancel any or all the Bids without assigning any reasons thereof.


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Bid Identification No. 82 /IF Dated . 07.03.2024

Sealed **percentage rate** bids are invited on **OFFLINE in SINGLE COVER** from "A" & "B" 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/ from **08.03.2024 to 14.03.2024 (5.00 PM)** for offline bidding.
- 3 Bids shall be received only on "Offline" on or before **05:00 PM from dated 14.03.2024**
- 4 The Original Bid Documents should only be received through Regd./Speed post/ Person before **14.03.2024** 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. 15.03.2024** 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 separate sealed 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.
 - (iii) **The Tenders will be disqualified if bids are not submitted in two separate sealed covers.**
- 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. The period of due approval of next higher authority completion is fixed and cannot be altered except in case of exceptional circumstances.
 - (v) 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 however 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 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 Schedule of quantities are to be proposed by the bidders as per standards defined in the tender document
- (i) 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.

25

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").

- (i) 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 in form of Demand Draft in favour of the Divisional Officer from any Nationalized /Scheduled Bank in India at Brahmapur duly pledged in favour of the Divisional Forest Officer and payable at Brahmapur.
- (ii) 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.
- (iii) 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.
- (iv) 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.
- (v) **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.

- (vi) **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. P1contract 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 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;

| Sl 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 orderNo-44150dtd.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 and 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 upto3%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 been entertained for loss duet o 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 P1 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, 1/4thof 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, 3/4thof the whole of the work before 3/4thof 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 15th 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, be at 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 milestone 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 contract 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 milestone 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 employees 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 or 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 Superintendent 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".

77 Submission of tender paper cost as pert he DTCN:-

- (i)** 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.
- (ii)** 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.
- (iii)** 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.


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

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

80 **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,
Berhampur Division**

CHECK LIST TO BE FILLED UP BY THE BIDDER

| Sl. No | Particulars | Whether furnished | | Reference to Page no |
|--------|---|-------------------|----|----------------------|
| | | Yes | No | |
| 01. | Cost of Tender Form for work Rs. 10,000/- (Non-Refundable) | | | |
| 02. | Copy of valid Contractor Registration Certificate | | | |
| 03. | Copy of valid GST certificate | | | |
| 04. | Copy of PAN Card | | | |
| 05. | No Relationship Certificate in Schedule-A | | | |
| 06. | Works Experience- | | | |
| (A) | List of projects executed that are similar in nature to the work (Schedule-D1) | | | |
| (B) | Works in hand-List of projects in progress that are similar in nature to the work (Schedule-D2) | | | |
| 07 (A) | Information regarding current litigation, debarring/expelling of the tender or abandonment of the work by the tenderer (Schedule-E) | | | |
| (B) | Affidavit (Schedule-F) | | | |

APPLICATION – 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 Contractor License :
9. Experience certificates :
10. Company Profile :
11. Income tax returns of the company/
Firms for the last three years :
(Copies)
12. Balance sheet last three years :
(Copies)
13. 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

Date –

Place –

ANNEXURE-B**FINANCIAL BID**

| Sl No | Name of the Firm | Name of the Work | Estimated Cost | Less/More | Percentage |
|-------|------------------|------------------|----------------|-----------|------------|
| 1 | | | | | |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |

Signature of the Bidder

Date:

SCHEDULE-A

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

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 | Reasons for slow progress, if any, with the updated billing amount |
|------------------|---------------------------------------|---------------------------------|----------------|--|--|-----------------------------------|--|
| | | | | | | | |

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 summarily be rejected.

Signature

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 |
| 1 | Steel Window Frame | I.S.1038/83 |
| 1 | Steel Door Frame | I.S.4351/75 |
| 1 2. | 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.

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,
Berhampur Division.

| SUMMARY ESTIMATE FOR ECO-RESORT AT GHODAHADA RESORT ,BERHAMPUR,ODISHA. | | | ECO- |
|--|---|-----|--------------------|
| SUMMARY | | | |
| Sl.No. | DESCRIPTION OF WORKS. | | AMOUNT IN Rs. |
| | SECTION - I | | |
| A | CIVIL WORKS. | | |
| | (i)Main Entry Gate 1 , 2 and RAISED PLATFORM | Rs. | 3269511.00 |
| | (ii)Internal Road | Rs. | 2874590.00 |
| | (iii)Dining & Kitchen | Rs. | 5633501.00 |
| | (iv)Cottage | Rs. | 17387482.00 |
| | (v)Furniture for cottage and dining | Rs. | 2000000.00 |
| | (vi)Steel Seating Benach - 4 nos | Rs. | 80000.00 |
| | (vii)Water Fountain - 2 nos | Rs. | 700000.00 |
| | (viii)Landscaping | Rs. | 2134368.00 |
| | | | ----- |
| B | TOTAL SECTION-I : (i) | | 34079452.00 |
| C | SECTION - II | | |
| | Services | | |
| | (i).Internal and External P.H., Sanitary work ,(5% Civil Work Of Cottage) | Rs. | 1151049.15 |
| | (ii)Electrical work | | |
| | Internal Electrical work(5% Of Civil Work) | Rs. | 588880.10 |
| D | TOTAL SECTION-II : (i+ii) | Rs. | 1739929.25 |
| E | GROSS TOTAL -SECTION I &II= | | 35819381.25 |
| F | Add 18 % GST for total project cost[E] | Rs. | 6447488.63 |
| | | | ===== |
| G | Total cost [E+F]= | Rs. | 42266869.88 |
| H | Add 1% contingency[G] | Rs. | 422668.70 |
| I | Add 1% Quality control[G] | Rs. | 422668.70 |
| | | | ===== |
| J | Total cost [G+H+I]= | Rs. | 43112207.27 |
| K | Add 2% PMC fee[E] | Rs. | 716387.63 |
| L | Add 18 % GST for PMC fee[K] | Rs. | 128949.77 |
| M | Total cost [K+L]= | | 845337.40 |
| N | Grand total [J+M] | Rs. | 43957544.67 |
| | Or say | Rs. | 43957500 |
| Rupees Four Crores Thirty Nine Lakhs Fifty Seven Thousand Five Hundred Only | | | |

**ABSTRACT ESTIMATE FOR CONSTRUCTION OF MAIN ENTRY AND GATE OF
GHODAHADA ECO-RESORT ,BERHAMPUR,ODISHA.**

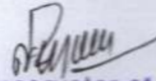
| I Main Entry Gate 1 & 2 , RAISED PLATFORM | | | | | |
|--|--|-------------|-------------|-------------|-------------------|
| Sl.no. | Description of Items | UNIT | QNTY | RATE | AMOUNT Rs. |
| 1 | Earthwork in excavation in hard soil for site leveling, foundation, pits, trenches and other civil works 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 | 354.917 | 206.80 | 73396.89 |
| 2 | Filling at all depth with available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 15cm in depth: consolidating each deposited layer by ramming and watering complete (lead upto 100m) as directed by the Engineer-In-charge. | | | | |
| | | Cum | 237.790 | 114.90 | 27322.07 |
| 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 | 32.237 | 710.30 | 22898.12 |
| 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, curring, shuttering etc. complete all depth and height. | | | | |
| | | Cum | 39.851 | 5985.60 | 238529.15 |
| 5 | Fly Ash. brick masonry 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 approved grade cement and screened & washed sand for mortar after immersing the bricks for 6 (Six) hours in water before use in Superstructure 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 | 64.575 | 5766.00 | 372339.45 |
| 6 | Providing, lifting, hoisting and laying Reinforced cement concrete of M-25 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 | 6.152 | 7093.60 | 43636.28 |
| | b) Column up to plinth | Cum | 1.518 | 14826.30 | 22506.32 |
| | c) Plinth Beam | Cum | 0.000 | 7912.30 | 0.00 |
| | d) Column above plinth | Cum | 62.561 | 14826.30 | 927551.86 |
| | e) Roof Beam | Cum | 0.000 | 14826.30 | 0.00 |
| | f)Slab | Cum | 0.000 | 13462.10 | 0.00 |

| | | | | | |
|----|---|------|----------|---------|------------|
| 7 | 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 | 150.200 | 8950.20 | 1344320.04 |
| 8 | 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 | 6.825 | 162.60 | 1109.75 |
| 9 | 6mm cement plaster to out side of brick surfaces with cement mortar of mix 1:4 (1 cement : 4 fine sand) including necessary scaffolding, curing etc. all complete at all floors and all heights. | | | | |
| | Ground floor | Sqm | 24.000 | 172.20 | 4132.80 |
| 10 | 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 | 1647.036 | 62.20 | 102445.64 |
| 11 | Supplying, fitting & fixing of 30cm x 20cm Ceramic wall tiles(Cladding) of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753 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 | 25.920 | 920.60 | 23861.95 |
| 12 | Supplying, fitting & fixing THATCH ROOF | | | | |
| | | Sqm | 58.200 | 920.60 | 53578.92 |
| 13 | 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 | 30.825 | 64.70 | 1994.38 |
| 14 | 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 | 6.825 | 81.00 | 552.83 |

| | | | | | |
|----|---|---------|--------|--------|------------|
| 15 | Painting two coats with approved Enamel Paint on Steel work over a coat of red oxide primer in Ground Floor | | | | |
| | Ground floor | Sqm | 50.292 | 185.60 | 9334.20 |
| | | Total | | | 3269510.64 |
| | | Say Rs. | | | 3269511.00 |



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Asst. Conservator of Forest
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COLLECTOR,
GANJAM, CHATRAPUR

| |
|---------|
| Sl. No. |
| 1 |
| 2 |
| 3 |
| 4 |
| 5 |

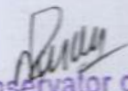
| ESTIMATE FOR CONSTRUCTION OF MAIN ENTRY AND GATE OF GHODAHADA ECO-RESORT ,BERHAMPUR,ODISHA. | | | | | | | |
|--|--|-----|---------|-------|--------|----------|-------|
| Sl.no. | Description of Items | Nos | Length | Width | Height | Quantity | Units |
| 1 | Earthwork in excavation in hard soil for 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. | | | | | | |
| | F1(1.5 X1.5) | 2 | 1.500 | 1.500 | 1.650 | 7.425 | |
| | F2(2.85 X 1.25) | 2 | 2.850 | 1.250 | 1.650 | 11.756 | |
| | F3(1.2 X 7.4) | 1 | 1.200 | 7.400 | 1.200 | 10.656 | |
| | Peripheral wall (conc pillar and pvc coated jalli) | 1 | 558.000 | 0.600 | 0.600 | 200.880 | |
| | Peripheral wall | 1 | 10.000 | 0.900 | 0.600 | 5.400 | |
| | PLATFORM | 1 | 110.000 | 0.900 | 1.200 | 118.800 | |
| | | | | | Total | 354.917 | Cum |
| 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) | 1 | 354.917 | area | 0.670 | 237.795 | |
| | | | | | Total | 237.790 | Cum |
| 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. | | | | | | |
| | Footing | | | | | | |
| | F1(1.5 X1.5) | 2 | 1.500 | 1.500 | 1.650 | 7.425 | |
| | F2(2.85 X 1.25) | 2 | 2.850 | 1.250 | 1.650 | 11.756 | |
| | F3(1.2 X 7.4) | 1 | 1.200 | 7.400 | 1.200 | 10.656 | |
| | Peripheral wall | 1 | 25.000 | 0.600 | 0.100 | 1.500 | |
| | Peripheral wall | 1 | 10.000 | 0.900 | 0.100 | 0.900 | |
| | | | | | Total | 32.237 | Cum |
| 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. | | | | | | |
| | Footing | | | | | | |
| | F1(1.5 X1.5) | 2 | 1.500 | 1.500 | 0.100 | 0.450 | |
| | F2(2.85 X 1.25) | 2 | 2.850 | 1.250 | 0.100 | 0.713 | |
| | F3(1.2 X 7.4) | 1 | 1.200 | 7.400 | 0.100 | 0.888 | |
| | Peripheral wall(250 conc. Pillars) | 250 | 0.600 | 0.600 | 0.300 | 27.000 | |
| | Peripheral wall | 1 | 10.000 | 0.900 | 0.100 | 0.900 | |
| | PLATFORM | 1 | 110.000 | 0.900 | 0.100 | 9.900 | |
| | | | | | Total | 39.851 | Cum |
| 5 | Fly Ash. brick masonry of size 25 cm. x 12 cm. x 8 cm. having crushing strength not less than 75 kg. Per Sqr. Cm. in cement mortar of mix (1:6) with approved grade cement and screened & washed sand for mortar after immersing the bricks for 6 (Six) hours in water before use in Superstructure 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 | | | | | | |
| | GATE-2 | 2 | 5.000 | 0.250 | 2.250 | 5.625 | |
| | GATE-1 | 4 | 1.200 | 0.250 | 2.250 | 2.700 | |
| | PLATFORM | 1 | 100.000 | 0.250 | 2.250 | 56.250 | |
| | | | | | Total | 64.575 | Cum |

| | | | | | | | | |
|---|--|---|---------|-------|-------|--------|-----|--|
| 6 | Providing, lifting, hoisting and laying Reinforced cement concrete of M-25 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, | | | | | | | |
| | a) Footing :- | | | | | | | |
| | F1(1.5 X1.5) | 2 | 1.500 | 1.500 | 0.300 | 1.350 | | |
| | F2(2.85 X 1.25) | 2 | 2.850 | 1.250 | 0.300 | 2.138 | | |
| | F3(1.2 X 7.4) | 1 | 1.200 | 7.400 | 0.300 | 2.664 | | |
| | | | | | Total | 6.152 | Cum | |
| | b) Column up to plinth :- | | | | | | | |
| | C1 (600 X 600) | 2 | 0.600 | 0.600 | 1.150 | 0.828 | | |
| | C2(250 X 250) | 4 | 0.250 | 0.250 | 1.150 | 0.288 | | |
| | C3(250 X 250) | 2 | 0.250 | 0.250 | 1.150 | 0.144 | | |
| | C4(250 X 450) | 2 | 0.250 | 0.450 | 1.150 | 0.259 | | |
| | | | | | Total | 1.518 | Cum | |
| | c)Plinth Beam;- | | | | | | | |
| | PB1(250X375) | 0 | 1.000 | 0.250 | 0.375 | 0.000 | | |
| | PB2(600 X 400) | 0 | 7.700 | 0.600 | 0.400 | 0.000 | | |
| | PB2(600 X 400) | 0 | 6.500 | 0.450 | 0.400 | 0.000 | | |
| | PB3(450 X 400) | 0 | 3.000 | 0.450 | 0.400 | 0.000 | | |
| | PB1(250X375) | 0 | 1.000 | 0.250 | 0.375 | 0.000 | | |
| | | | | | Total | 0.000 | Cum | |
| | d) Column above plinth :- | | | | | | | |
| | C1 (600 X 600) | 2 | 0.600 | 0.600 | 1.500 | 1.080 | | |
| | C2(250 X 250) | 4 | 0.250 | 0.250 | 2.400 | 0.600 | | |
| | C3(250 X 250) | 2 | 0.250 | 0.250 | 3.000 | 0.375 | | |
| | C4(250 X 450) | 2 | 0.250 | 0.450 | 2.250 | 0.506 | | |
| | RAISED PLATFORM 100x.300 | 1 | 100.000 | 0.300 | 2.000 | 60.000 | | |
| | | | | | Total | 62.561 | Cum | |
| | e)Top coping Beam :- | | | | | | | |
| | X-axis :- | | | | | | | |
| | | 0 | 3.900 | 0.450 | 0.450 | 0.000 | | |
| | | 0 | 1.040 | 0.250 | 1.000 | 0.000 | | |
| | | 0 | 9.700 | 0.250 | 0.450 | 0.000 | | |
| | | 0 | 3.000 | 0.250 | 0.450 | 0.000 | | |
| | | | | | Total | 0.000 | Cum | |
| | f)Roof Slab | | | | | | | |
| | Main Entry 1 | 0 | 5.700 | 3.000 | 0.150 | 0.000 | | |
| | Main Entry 2 | 0 | 2.430 | 1.040 | 0.150 | 0.000 | | |
| | | | | | Total | 0.000 | Cum | |

| | | | | | | | | |
|----|---|---|---------|--------|---------|----------|-----|--|
| 7 | 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. | | | | | | | |
| | a) Footing | 1 | 6.152 | Kg/Cum | 150.000 | 922.73 | | |
| | b) Column up to plinth :- | 1 | 1.518 | Kg/Cum | 220.000 | 333.96 | | |
| | c) Plinth Beam | 1 | 0.000 | Kg/Cum | 150.000 | 0.00 | | |
| | d) Column above plinth :- | 1 | 62.561 | Kg/Cum | 220.000 | 13763.48 | | |
| | e) Beam | 1 | 0.000 | Kg/Cum | 220.000 | 0.00 | | |
| | f) Slab | 1 | 0.000 | Kg/Cum | 75.000 | 0.00 | | |
| | | | 70.231 | | Total | 15020.16 | Kg | |
| | | | | | Total | 150.20 | Qtl | |
| 8 | 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. | | | | | | | |
| | External wall | 2 | 0.600 | 0.600 | 1.500 | 1.800 | | |
| | | 4 | 0.250 | 0.250 | 2.400 | 2.400 | | |
| | | 2 | 0.250 | 0.250 | 3.000 | 1.500 | | |
| | | 2 | 0.250 | 0.450 | 2.250 | 1.125 | | |
| | | | | | Total | 6.825 | Sqm | |
| 9 | 6mm cement plaster to out side of brick surfaces with cement mortar of mix 1:4 (1 cement : 4 fine sand) including necessary scaffolding, curing etc. all complete at all floors and all heights. | | | | | | | |
| | Main Entry 2 BOUNDARY PLASTER | 1 | 10.000 | 2.400 | | 24.000 | | |
| | | | | | Total | 24.000 | Cum | |
| 10 | 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 | | | | | | | |
| | main gate 1- roof frame | 2 | 9.700 | 0.200 | 0.200 | 0.776 | | |
| | roof frame | 3 | 3.000 | 0.200 | 0.200 | 0.360 | | |
| | pillar | 8 | 6.500 | 0.200 | 3.500 | 36.400 | | |
| | main gate 2-roof frame | 1 | 3.000 | 0.250 | 1.000 | 0.750 | | |
| | pvc wire mesh | 1 | 715.000 | 1.000 | 2.250 | 1608.750 | | |
| | | | | | Total | 1647.036 | kg | |
| 11 | Supplying, fitting & fixing of 30cm x 20cm Ceramic wall tiles(Cladding) of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753 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 | | | | | | | |
| | Column | 4 | 0.600 | 0.600 | 1.500 | 14.400 | | |
| | | 2 | 0.600 | 0.600 | 2.400 | 11.520 | | |
| | | | | | Total | 25.920 | Sqm | |

| | | | | | | | |
|----|--|---|--------|-------|-------|--------|-----|
| 12 | 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. | | | | | | |
| | External Wall | 1 | 6.825 | area | | 6.825 | |
| | Ceiling | 1 | 24.000 | area | | 24.000 | |
| | | | | | Total | 30.825 | Sqm |
| 13 | 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. | | | | | | |
| | External Wall | 1 | 6.825 | area | | 6.825 | |
| | | | | | Total | 6.825 | Sqm |
| 14 | Supplying, fitting & fixing THATCH ROOF | | | | | | |
| | Main Entry 1 | 2 | 9.700 | 3.000 | | 58.200 | |
| | | | | | Total | 58.200 | Cum |
| 15 | Painting two coats with approved Enamel Paint on Steel work in Ground Floor | | | | | | |
| | main gate | 2 | 9.700 | 1.100 | 1.800 | 38.412 | |
| | main gate | 2 | 3.000 | 1.100 | 1.800 | 11.880 | |
| | | | | | Total | 50.292 | Sqm |


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COLLECTOR,
 GANJAM, CHATRAPUR.

**ABSTRACT OF ESTIMATE FOR CONSTRUCTION OF INTERNAL ROAD OF
ECO-RESORT ,BERHAMPUR,ODISHA.**

GHODAHADA

| INTERNAL ROAD | | | | | |
|------------------|--|------|----------|--------|-------------------|
| Sl.No. | Description of Items | UNIT | QNTY | RATE | AMOUNT |
| 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. | | | | |
| | Hard soils. | Cum | 891.000 | 206.80 | 184258.80 |
| 2 | Supplying of 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 | 594.000 | 710.30 | 421918.20 |
| 3 | Loosening levelling & compacting original ground supporting embankment to facilitate a placement of 1st layer of embankment up to a depth of 150mm mixed with water at OMC & then and then compacted by rolling as per Clause 300.20 for embankment construction as per Clause No- 305.3.4 of MoRTH specification. | | | | |
| | | Cum | 445.500 | 35.57 | 15846.43 |
| 4 | Providing close graded granular subbase with Grading-III materials | | | | |
| | | Cum | 594.000 | 281.70 | 167329.80 |
| 5 | Providing and laying 80 mm thick factory made cement concrete interlocking paver block of M-30 grade made by block making machine with strong vibratory compaction of approved size, design & shape, laid in required colour and pattern over and including 75mm thick sand filling.as per drawing, specification and direction of Engineer-In-charge. | | | | |
| | GICO Tile (GPT-1, 4 & 6) Red and Yellow colour | Sqm | 2970.000 | 702.10 | 2085237.00 |
| Total Rs. | | | | | 2874590.23 |
| Say | | | | | 2874590.00 |



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**DETAIL ESTIMATE FOR CONSTRUCTION OF INTERNAL ROAD OF GHODAHADA
ECO-RESORT ,BERHAMPUR,ODISHA.**

| II INTERNAL ROAD | | | | | | | |
|-------------------------|---|------------|---------------|--------------|---------------|-----------------|--------------|
| Sl.no. | Description of Items | Nos | Length | Width | Height | Quantity | Units |
| 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. Hard soils. | | | | | | |
| | Pavement 1 | 1 | 1790.000 | area | 0.300 | 537.000 | |
| | Pavement 2 | 1 | 860.000 | area | 0.300 | 258.000 | |
| | Pavement 3 | 1 | 320.000 | area | 0.300 | 96.000 | |
| | | | | | Total | <u>891.000</u> | Cum |
| 2 | Supplying of 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. | | | | | | |
| | Pavement 1 | 1 | 1790.000 | area | 0.200 | 358.000 | |
| | Pavement 2 | 1 | 860.000 | area | 0.200 | 172.000 | |
| | Pavement 3 | 1 | 320.000 | area | 0.200 | 64.000 | |
| | | | | | Total | <u>594.000</u> | Cum |
| 3 | Loosening levelling & compacting original ground supporting embankment to facilitate a placement of 1st layer of embankment up to a depth of 150mm mixed with water at OMC & then and then compacted by rolling as per Clause 300.20 for embankment construction as per Clause No- 305.3.4 of MoRTH specification. | | | | | | |
| | Pavement 1 | 1 | 1790.000 | area | 0.150 | 268.500 | |
| | Pavement 2 | 1 | 860.000 | area | 0.150 | 129.000 | |
| | Pavement 3 | 1 | 320.000 | area | 0.150 | 48.000 | |
| | | | | | Total | <u>445.500</u> | Cum |
| 4 | Providing close graded granular subbase with Grading-III materials | | | | | | |
| | Pavement 1 | 1 | 1790.000 | area | 0.200 | 358.000 | |
| | Pavement 2 | 1 | 860.000 | area | 0.200 | 172.000 | |
| | Pavement 3 | 1 | 320.000 | area | 0.200 | 64.000 | |
| | | | | | Total | <u>594.000</u> | Cum |

- 5 Providing and laying 80 mm thick factory made cement concrete interlocking paver block of M-30 grade made by block making machine with strong vibratory compaction of approved size, design & shape, laid in required colour and pattern over and including 75mm thick sand filling as per drawing, specification and direction of Engineer-In-charge.
GICO Tile (GPT-1, 4 & 6) Red and Yellow colour

| | | | | | |
|------------|---|----------|-------|-----------------|-----|
| Pavement 1 | 1 | 1790.000 | area | 1790.000 | |
| Pavement 2 | 1 | 860.000 | area | 860.000 | |
| Pavement 3 | 1 | 320.000 | area | 320.000 | |
| | | | Total | <u>2970.000</u> | Sqm |



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COLLECTOR,
GANJAM CHATRAPUR

| ABSTRACT OF ESTIMATE FOR CONSTRUCTION OF DINING & KITCHEN OF GHODAHADA ECO-RESORT ,BERHAMPUR,ODISHA. | | | | | |
|---|---|-------------|-------------|-------------|-------------------|
| III | Dining & Kitchen | | | | |
| 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 | 22.500 | 206.80 | 4653.00 |
| 2 | Filling at all depth with available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 15cm in depth: consolidating each deposited layer by ramming and watering complete (lead upto 100m) as directed by the Engineer-In-charge. | | | | |
| | | Cum | 15.080 | 114.90 | 1732.69 |
| 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 | 566.850 | 710.30 | 402633.56 |
| 4 | Diluting and injecting chemical emulsion (to be supplied free of cost at site of work) for PRE CONSTRUCTIONAL Anti-termite treatment and creating a continuous chemical barrier under and all-round the column pits, wall trenches, basement excavation, top perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surroundings of pipes and conduits etc. complete as per specifications (plinth area of the building at ground floor only shall be measured for payment). | | | | |
| | | Sqm | 250.000 | 138.00 | 34500.00 |
| 5 | Providing and laying plain cement concrete 1:4:8 (1 cement: 4 sand: 8 stone agregate 40mm nominal size) as levelling course in foundation and plinth etc. including tempering, curring ,shuttering etc.complete all depth and height. | | | | |
| | | Cum | 15.000 | 5985.60 | 89784.00 |
| 6 | Providing and laying plain cement concrete 1:2:4 (1 cement: 2 sand: 4 stone agregate 40mm nominal size) as levelling course in foundation and plinth etc. including tempering, curring ,shuttering etc.complete all depth and height. | | | | |
| | | Cum | 25.000 | 7630.50 | 190762.50 |
| 7 | First class Fly ash Brick masonry using bricks of size 25 cm. x 12 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. | | | | |
| | Sub structure | Cum | 111.030 | 5727.70 | 635943.67 |


| | | | | | |
|----|---|------|---------|----------|-----------|
| 8 | Fly Ash. brick masonry of size 25 cm. x 12 cm. x 8 cm. having crushing strength not less than 75 kg. Per Sqr. Cm. in cement mortar of mix (1:6) with approved grade cement and screened & washed sand for mortar after immersing the bricks for 6 (Six) hours in water before use in Superstructure 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 | 104.936 | 5766.00 | 605062.42 |
| 9 | Half brick work with Fly Ash brick masonry in cement mortar (1:4) in super structure having a crushing strength of not less than 75 kg./sqcm with dimensional tolerance $\pm 2\%$ including splays cutting circular moulding chamfering and corbelling and similar such type of works with all necessary projections watering and curing after immersing the bricks in water at least for six hours before use including cost, conveyance, royalties and taxes of all materials with all labour,labour cess and T & P required for the work complete in all respect as per direction of Engineer-in-Charge. | | | | |
| | Ground floor | Sqm | 10.500 | 740.36 | 7773.81 |
| 10 | Providing, lifting, hoisting and laying Reinforced cement concrete of M-25 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 | | | | |
| | Ground floor | | | | |
| | a) Footing | Cum | 0.000 | 7093.60 | 0.00 |
| | b) Column up to plinth | Cum | 0.000 | 14826.30 | 0.00 |
| | e) Plinth Beam | Cum | 0.000 | 7912.30 | 0.00 |
| | f) Column above plinth | Cum | 0.000 | 14826.30 | 0.00 |
| | g) Lintel | Cum | 0.780 | 14117.20 | 11011.42 |
| | i) Roof Beam | Cum | 0.000 | 14826.30 | 0.00 |
| 11 | 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 | 1.170 | 8950.20 | 10471.73 |
| 12 | 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 | 448.500 | 162.60 | 72926.10 |
| 13 | 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 | 783.220 | 229.60 | 179827.31 |

| | | | | | |
|----|--|-----|---------|---------|-----------|
| 14 | Supplying, fitting & fixing of 10 mm thick & size of 600x600 mm verified floor tile of matt finish with veilcraft (VC/FT) shield(Scratch free/stain free) with water absorption limit between 0.08% to 3% and conforming to IS : 15622:2006 (Group B Ib) , 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 | 687.809 | 1109.20 | 762917.74 |
| 15 | Supplying, fitting & fixing of 10 mm thick and size of 600x600 mm verified wall tile of in dadoes, skirting and risers of steps of 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 | 35.739 | 1206.20 | 43108.38 |
| 16 | Supplying, fitting and fixing of Antiskid Ceramic Floor Tiles in flooring using special plain / printed series Ceramic Floor Tile of premium grade (having minimum thickness 7 mm to 8 mm & size 300 mm x300 mm, confirming to I.S 13755 of approved quality and shade in floors, treads on steps and landings on 20 m.m thick bed of cement mortar of mix (1:4) laid in proper slope and gradient with screened & washed sharp river sand for mortar and fixing with neat white cement slurry,grouting the joints with neat white cement slurry mixed with required quantities of pigments (Tiles are to be immersed in the water for required time before use) of approved make to match the shades of the Ceramic Floor Tiles if required including cost, conveyance, loading, unloading, stacking, royalties , all taxes, cost of all Labour, Labour cess ,Sundries, T&P required for the work , Watering , Curing for required days , cleaning the flooring space manually etc. complete in all respect as directed by the Engineer-in-charge. | | | | |
| | Ground floor | Sqm | 69.496 | 875.70 | 60857.65 |
| 17 | Supplying, fitting & fixing of Ceramic wall tiles of premium grade of size(200x300 mm/200x200 mm) having thickness 6.5mm to 6.7mm confirming to IS 13753 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 | 95.592 | 920.60 | 88002.00 |
| 18 | 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 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. | | | | |
| | Ground floor | Sqm | 51.652 | 2777.00 | 143437.60 |
| 19 | Supplying, fitting & fixing of Granite Tiles of minimum Above 0.10 Sqm & up to 0.4 sqm (10mm. thick) of approved make in dadoes laid on 12 mm thick cement mortar (1:3) (1 cement : 3 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. | | | | |
| | Ground floor | Sqm | 14.549 | 1992.50 | 28987.89 |

| | | | | | |
|----|--|-----|----------|----------|-----------|
| 20 | 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 | 0.539 | 79160.60 | 42639.86 |
| 21 | 32mm piasal wood or local Teak wood panelled shutters moulded panels with all labour, iron fittings, and wooden hinged cleats etc fitted and fixed complete in all respect | | | | |
| | Ground floor | Sqm | 28.980 | 4612.20 | 133661.56 |
| 22 | 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 | | | | |
| | Gr. Floor | Sqm | 83.475 | 1107.60 | 92456.91 |
| 23 | 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 | 154.688 | 62.20 | 9621.56 |
| 24 | 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 | 1231.720 | 64.70 | 79692.28 |
| 25 | 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 | 448.500 | 81.00 | 36328.50 |
| 26 | 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, labour cess, all T&P etc. required for the work complete in all respect as per the direction of the Engineer-in-charge. | | | | |
| | Ground floor | Sqm | 1231.720 | 70.10 | 86343.57 |
| 27 | 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 | 783.220 | 87.50 | 68531.75 |
| 28 | Well dressed Bamboo Wall with two coat of Enamel paint | | | | |

| | | | | | |
|----|---|---------|---------|---------|------------|
| | Ground floor | Sqm | 690.400 | 980.00 | 676592.00 |
| 29 | Providing fitting and fixing of thach roof | | | | |
| | | Sqm | 810.000 | 920.00 | 745200.00 |
| 30 | Providing fitting and fixing of ALU sheet in roofing including all cost conveyance taxes etc. complete. | | | | |
| | Ground floor | Sqm | 267.000 | 1078.80 | 288039.60 |
| | | | | | 5633501.05 |
| | | Say Rs. | | | 5633501.00 |


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 COLLECTOR,
 GANJAM, CHATRAPUR

ESTIMATE FOR CONSTRUCTION OF DINING & KITCHEN OF GHODAHADA ECO-RESORT ,BERHAMPUR,ODISHA.

| III | Dining & Kitchen | | | | | | |
|--------|---|-----|---------|-------|--------|----------|-------|
| Sl.no. | Description of Items | Nos | Length | Width | Height | Quantity | Units |
| 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. | | | | | | |
| | Peripheral wall | 1 | 250.000 | 0.300 | 0.300 | 22.500 | |
| | | | | | Total | 22.500 | Cum |
| 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) | 1 | 22.500 | area | 0.670 | 15.075 | |
| | | | | | Total | 15.080 | Cum |
| 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. | | | | | | |
| | Footing | | | | | | |
| | Peripheral wall | 1 | 250.000 | 0.600 | 0.150 | 22.500 | |
| | Plinth Area | 1 | 845.000 | 1.000 | 0.600 | 507.000 | |
| | Step | 2 | 2.500 | 0.650 | 0.600 | 1.950 | |
| | | 1 | 23.600 | 2.500 | 0.600 | 35.400 | |
| | | | | | Total | 566.850 | Cum |
| 4 | Diluting and injecting chemical emulsion (to be supplied free of cost at site of work) for PRE CONSTRUCTIONAL Anti-termite treatment and creating a continuous chemical barrier under and all-round the column pits, wall trenches, basement excavation, top perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surroundings of pipes and conduits etc. complete as per specifications (plinth area of the building at ground floor only shall be measured for payment). | | | | | | |
| | Internal Floor Area | 1 | 250.000 | 1.000 | | 250.000 | |
| | | | | | Total | 250.000 | Sqm |
| 5 | Providing and laying plain cement concrete 1:4:8 (1 cement: 4 sand: 8 stone agregate 40mm nominal size) as levelling course in foundation and plinth etc. including tempering, curring ,shuttering etc.complete all depth and height. | | | | | | |
| | Footing | | | | | | |
| | Peripheral wall | 1 | 250.000 | 0.600 | 0.100 | 15.000 | |
| | | | | | Total | 15.000 | Cum |
| 6 | Providing and laying plain cement concrete 1:2:4 (1 cement: 2 sand: 4 stone agregate 40mm nominal size) as levelling course in foundation and plinth etc. including tempering, curring ,shuttering etc.complete all depth and height. | | | | | | |
| | WALL | 1 | 250.000 | 1.000 | 0.100 | 25.000 | |
| | | | | | Total | 25.000 | Cum |

| | | | | | | | | |
|---|---|----|---------|-------|-------|---------|-----|--|
| 7 | First class Fly ash Brick masonry using bricks of size 25 cm. x 12 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. | | | | | | | |
| | Peripheral wall | 1 | 250.000 | 0.500 | 0.150 | 18.750 | | |
| | Peripheral wall | 1 | 250.000 | 0.375 | 0.150 | 14.063 | | |
| | | 1 | 250.000 | 0.250 | 1.000 | 62.500 | | |
| | Step | 2 | 2.500 | 0.250 | 0.150 | 0.188 | | |
| | | 2 | 2.500 | 0.250 | 0.300 | 0.375 | | |
| | | 2 | 2.500 | 0.250 | 0.450 | 0.563 | | |
| | Step | 2 | 23.600 | 0.250 | 0.150 | 1.770 | | |
| | | 2 | 21.560 | 0.250 | 0.300 | 3.234 | | |
| | | 2 | 19.480 | 0.250 | 0.450 | 4.383 | | |
| | | 2 | 17.350 | 0.250 | 0.600 | 5.205 | | |
| | | | | | Total | 111.030 | Cum | |
| 8 | Fly Ash. brick masonry of size 25 cm. x 12 cm. x 8 cm. having crushing strength not less than 75 kg. Per Sqr. Cm. in cement mortar of mix (1:6) with approved grade cement and screened & washed sand for mortar after immersing the bricks for 6 (Six) hours in water before use in Superstructure 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 | | | | | | | |
| | .25M. WALL | 1 | 80.000 | 0.250 | 3.000 | 60.000 | | |
| | .75M. WALL | 1 | 160.000 | 0.750 | 0.450 | 54.000 | | |
| | Deduction :- Doors & window | | | | | | | |
| | W1 | -3 | 1.500 | 0.250 | 1.350 | -1.519 | | |
| | D | -1 | 2.000 | 0.250 | 2.100 | -1.050 | | |
| | D1 | -2 | 1.800 | 0.250 | 2.100 | -1.890 | | |
| | D2 | -8 | 0.750 | 0.250 | 2.100 | -3.150 | | |
| | D3 | -2 | 1.000 | 0.250 | 2.100 | -1.050 | | |
| | V | -6 | 0.450 | 0.250 | 0.600 | -0.405 | | |
| | | | | | Total | 104.936 | Cum | |
| 9 | Half brick work with Fly Ash brick masonry in cement mortar (1:4) in super structure having a crushing strength of not less than 75 kg./sqcm with dimensional tolerance $\pm 2\%$ including splays cutting circular moulding chamfering and corbelling and similar such type of works with all necessary projections watering and curing after immersing the bricks in water at least for six hours before use including cost, conveyance, royalties and taxes of all materials with all labour,labour cess and T & P required for the work complete in all respect as per direction of Engineer-in-Charge. | | | | | | | |
| | .125M. WALL | 1 | 30.000 | 0.125 | 2.800 | 10.500 | | |
| | | | | | Total | 10.500 | Sqm | |

| | | | | | | | |
|----|--|---|--------|-------|-------|-------|-----|
| 10 | Providing, lifting, hoisting and laying Reinforced cement concrete of M-25 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, | | | | | | |
| | a) Footing :- | | | | | | |
| | F1(1.5 X 1.5) | | 1.500 | 1.500 | 0.400 | 0.000 | |
| | F2(1.75 X 1.75) | | 1.750 | 1.750 | 0.450 | 0.000 | |
| | | | | | Total | 0.000 | Cum |
| | b) Column up to plinth :- | | | | | | |
| | C1(300 X 300) | | 0.300 | 0.300 | 1.625 | 0.000 | |
| | C1(600 Dia) | | 0.282 | area | 1.625 | 0.000 | |
| | | | | | Total | 0.000 | Cum |
| | c)Plinth Beam:- | | | | | | |
| | PB(250X250) | | 8.000 | 0.250 | 0.250 | 0.000 | |
| | PB(250X250) | | 6.000 | 0.250 | 0.250 | 0.000 | |
| | PB(250X250) | | 20.000 | 0.250 | 0.250 | 0.000 | |
| | PB(250X250) | | 15.000 | 0.250 | 0.250 | 0.000 | |
| | PB(250X250) | | 4.750 | 0.250 | 0.250 | 0.000 | |
| | PB(250X250) | | 4.130 | 0.250 | 0.250 | 0.000 | |
| | PB(250X250) | | 1.400 | 0.250 | 0.250 | 0.000 | |
| | PB(250X250) | | 10.500 | 0.250 | 0.250 | 0.000 | |
| | PB(250X250) | | 20.500 | 0.250 | 0.250 | 0.000 | |
| | PB(250X250) | | 3.850 | 0.250 | 0.250 | 0.000 | |
| | PB(250X250) | | 7.830 | 0.250 | 0.250 | 0.000 | |
| | PB(250X250) | | 12.500 | 0.250 | 0.250 | 0.000 | |
| | PB(250X250) | | 7.200 | 0.250 | 0.250 | 0.000 | |
| | | | | | Total | 0.000 | Cum |
| | d) Column above plinth :- | | | | | | |
| | C1(300 X 300) | | 0.300 | 0.300 | 3.000 | 0.000 | |
| | C1(600 Dia) | | 0.282 | area | 3.000 | 0.000 | |
| | | | | | Total | 0.000 | Cum |
| | e) Lintel :- 250 wall | | | | | | |
| | W1 | 3 | 1.500 | 0.250 | 0.150 | 0.169 | |
| | D | 1 | 2.000 | 0.250 | 0.150 | 0.075 | |
| | D1 | 2 | 1.800 | 0.250 | 0.150 | 0.135 | |
| | D2 | 8 | 0.750 | 0.250 | 0.150 | 0.225 | |
| | D3 | 2 | 1.000 | 0.250 | 0.150 | 0.075 | |
| | V | 6 | 0.450 | 0.250 | 0.150 | 0.101 | |
| | | | | | Total | 0.780 | Cum |
| | h)Roof Beam :- | | | | | | |
| | PB(250X450) | | 8.000 | 0.250 | 0.450 | 0.000 | |
| | PB(250X450) | | 6.000 | 0.250 | 0.450 | 0.000 | |
| | PB(250X450) | | 20.000 | 0.250 | 0.450 | 0.000 | |
| | PB(250X450) | | 15.000 | 0.250 | 0.450 | 0.000 | |
| | PB(250X450) | | 4.750 | 0.250 | 0.450 | 0.000 | |
| | PB(250X450) | | 4.130 | 0.250 | 0.450 | 0.000 | |
| | PB(250X450) | | 1.400 | 0.250 | 0.450 | 0.000 | |
| | PB(250X450) | | 10.500 | 0.250 | 0.450 | 0.000 | |

| | | | | | | | |
|----|---|----|--------|--------|---------|---------|-----|
| | PB(250X450) | | 20.500 | 0.250 | 0.450 | 0.000 | |
| | PB(250X450) | | 3.850 | 0.250 | 0.450 | 0.000 | |
| | PB(250X450) | | 7.830 | 0.250 | 0.450 | 0.000 | |
| | PB(250X450) | | 12.500 | 0.250 | 0.450 | 0.000 | |
| | PB(250X450) | | 7.200 | 0.250 | 0.450 | 0.000 | |
| | | | | | Total | 0.000 | Cum |
| 8 | 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. | | | | | | |
| | a) Footing | 1 | 0.000 | Kg/Cum | 110.000 | 0.000 | |
| | b) Column up to plinth :- | 1 | 0.000 | Kg/Cum | 230.000 | 0.000 | |
| | d) Plinth Beam | 1 | 0.000 | Kg/Cum | 200.000 | 0.000 | |
| | e) Column above plinth :- | 1 | 0.000 | Kg/Cum | 230.000 | 0.000 | |
| | f) Lintel | 1 | 0.780 | Kg/Cum | 150.000 | 117.000 | |
| | h) Roof Beam | 1 | 0.000 | Kg/Cum | 230.000 | 0.000 | |
| | | | 0.780 | | Total | 117.000 | Kg |
| | | | | | Total | 1.170 | Qtl |
| 9 | 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. | | | | | | |
| | External wall | 4 | 20.500 | | 1.800 | 147.600 | |
| | | 4 | 20.500 | | 0.600 | 49.200 | |
| | | 1 | 9.250 | | 1.800 | 16.650 | |
| | | 4 | 6.000 | | 0.600 | 14.400 | |
| | | 2 | 15.500 | | 3.600 | 111.600 | |
| | | 2 | 12.500 | | 3.600 | 90.000 | |
| | | 2 | 15.500 | | 0.600 | 18.600 | |
| | | 2 | 12.500 | | 0.600 | 15.000 | |
| | Deduction :- Door & window | | | | | | |
| | D | -1 | 2.000 | | 2.100 | -4.200 | |
| | D1 | -1 | 1.800 | | 2.100 | -3.780 | |
| | W | -3 | 3.000 | | 0.550 | -4.950 | |
| | V | -6 | 0.450 | | 0.600 | -1.620 | |
| | | | | | Total | 448.500 | Sqm |
| 10 | 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. | | | | | | |
| | Dining | 8 | 9.000 | | 3.500 | 252.000 | |
| | Column | 4 | 1.885 | | 3.500 | 26.390 | |
| | Toilet | 4 | 2.480 | | 3.500 | 34.720 | |
| | | 4 | 3.850 | | 3.500 | 53.900 | |
| | | 12 | 1.400 | | 3.500 | 58.800 | |
| | | 12 | 1.200 | | 3.500 | 50.400 | |
| | Kitchen | 2 | 12.000 | | 3.500 | 84.000 | |
| | | 2 | 10.000 | | 3.500 | 70.000 | |
| | Wash | 2 | 4.750 | | 3.500 | 33.250 | |
| | | 2 | 2.800 | | 3.500 | 19.600 | |
| | Storage | 2 | 4.750 | | 3.500 | 33.250 | |
| | | 2 | 2.800 | | 3.500 | 19.600 | |
| | Cold store | 2 | 4.750 | | 3.500 | 33.250 | |
| | | 2 | 3.880 | | 3.500 | 27.160 | |
| | Deduction :- Door & window | | | | | | |
| | D | -1 | 2.000 | | 2.000 | -4.000 | |

| | | | | | | | |
|----|--|----|--------|--------|-------|---------|-----|
| | D1 | -1 | 1.800 | | 2.000 | -3.600 | |
| | D2 | -1 | 0.750 | | 2.000 | -1.500 | |
| | D3 | -2 | 1.000 | | 2.000 | -4.000 | |
| | | | | | Total | 783.220 | Sqm |
| 11 | Supplying, fitting & fixing of 10 mm thick & size of 600x600 mm verified floor tile of matt finish with veilcraft (VC/FT) shield(Scratch free/stain free) with water absorption limit between 0.08% to 3% and conforming to IS : 15622:2006 (Group B Ib) . 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) | | | | | | |
| | Dining | 2 | 10.000 | 8.000 | | 160.000 | |
| | | 1 | 20.000 | 20.000 | | 400.000 | |
| | Kitchen | 1 | 12.000 | 10.000 | | 120.000 | |
| | Store | 1 | 4.750 | 2.750 | | 13.063 | |
| | Cold store | 1 | 4.750 | 3.880 | | 18.430 | |
| | | 1 | 5.000 | 1.830 | | 9.150 | |
| | Deduction:- | | | | | | |
| | Toilet | -1 | 7.950 | 4.130 | | -32.834 | |
| | | | | | Total | 687.809 | Sqm |
| 12 | Supplying, fitting & fixing of 10 mm thick and size of 600x600 mm verified wall tile of in dadoes, skirting and risers of steps of 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. | | | | | | |
| | Dining | 4 | 10.000 | | 0.150 | 6.000 | |
| | | 4 | 8.000 | | 0.150 | 4.800 | |
| | | 2 | 20.000 | | 0.150 | 6.000 | |
| | | 2 | 20.000 | | 0.150 | 6.000 | |
| | Kitchen | 2 | 12.000 | | 0.150 | 3.600 | |
| | | 2 | 10.000 | | 0.150 | 3.000 | |
| | Store | 2 | 4.750 | | 0.150 | 1.425 | |
| | | 2 | 2.750 | | 0.150 | 0.825 | |
| | Cold store | 2 | 4.750 | | 0.150 | 1.425 | |
| | | 2 | 3.880 | | 0.150 | 1.164 | |
| | | 2 | 5.000 | | 0.150 | 1.500 | |
| | | 2 | 1.830 | | 0.150 | 0.549 | |
| | | | | | Total | 35.739 | Sqm |

| | | | | | | | |
|----|---|-----|--------|-------|-------|---------|-----|
| 13 | Supplying, fitting and fixing of Antiskid Ceramic Floor Tiles in flooring using special plain / printed series Ceramic Floor Tile of premium grade (having minimum thickness 7 mm to 8 mm & size 300 mm x300 mm, confirming to I.S 13755 of approved quality and shade in floors, treads on steps and landings on 20 m.m thick bed of cement mortar of mix (1:4) laid in proper slope and gradient with screened & washed sharp river sand for mortar and fixing with neat white cement slurry, grouting the joints with neat white cement slurry mixed with required quantities of pigments (Tiles are to be immersed in the water for required time before use) of approved make to match the shades of the Ceramic Floor Tiles if required including cost, conveyance, loading, unloading, stacking, royalties , all taxes, cost of all Labour, Labour cess ,Sundries, T&P required for the work , Watering , Curing for required days , cleaning the flooring space manually etc. complete in all respect as directed by the Engineer-in-charge. | | | | | | |
| | wc (6 nos) | 6 | 1.400 | 1.200 | | 10.080 | |
| | | 2 | 3.850 | 2.480 | | 19.096 | |
| | Passage | 2 | 6.000 | 2.100 | | 25.200 | |
| | | 1 | 7.200 | 2.100 | | 15.120 | |
| | | | | | Total | 69.496 | Sqm |
| 14 | Supplying, fitting & fixing of Ceramic wall tiles of premium grade of size(200x300 mm/200x200 mm) having thickness 6.5mm to 6.7mm confirming to IS 13753 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 | | | | | | |
| | WC | 12 | 1.400 | | 2.100 | 35.280 | |
| | | 12 | 1.200 | | 2.100 | 30.240 | |
| | | 4 | 2.480 | | 2.100 | 20.832 | |
| | | 4 | 3.850 | | 2.100 | 32.340 | |
| | Deduction :- Door & window | | | | | | |
| | D3 | -12 | 0.750 | | 2.100 | -18.900 | |
| | D1 | -2 | 1.000 | | 2.100 | -4.200 | |
| | | | | | Total | 95.592 | Sqm |
| 15 | 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 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 | | | | | | |
| | Step | 6 | 2.500 | 0.300 | | 4.500 | |
| | | 1 | 23.600 | 0.300 | | 7.080 | |
| | | 1 | 21.560 | 0.300 | | 6.468 | |
| | | 1 | 19.480 | 0.300 | | 5.844 | |
| | | 1 | 17.350 | 1.600 | | 27.760 | |
| | | | | | Total | 51.652 | Sqm |
| 16 | Supplying, fitting & fixing of Granite Tiles of minimum Above 0.10 Sqm & up to 0.4 sqm (10mm. thick) of approved make in dadoes laid on 12 mm thick cement mortar (1:3) (1 cement : 3 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. | | | | | | |
| | Step | 6 | 2.500 | | 0.150 | 2.250 | |
| | | 1 | 23.600 | | 0.150 | 3.540 | |
| | | 1 | 21.560 | | 0.150 | 3.234 | |

| | | | | | | | |
|----|---|---|---------|--------|---------|----------|-----|
| | | 1 | 19.480 | | 0.150 | 2.922 | |
| | | 1 | 17.350 | | 0.150 | 2.603 | |
| | | | | | Total | 14.549 | Sqm |
| 17 | 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. | | | | | | |
| | D | 1 | 6.200 | 0.125 | 0.063 | 0.049 | |
| | D1 | 1 | 6.000 | 0.125 | 0.063 | 0.047 | |
| | D2 | 1 | 5.700 | 0.125 | 0.063 | 0.045 | |
| | D3 | 4 | 5.200 | 0.125 | 0.063 | 0.164 | |
| | D4 | 6 | 4.950 | 0.125 | 0.063 | 0.234 | |
| | | | | | Total | 0.539 | Cum |
| 15 | 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 | | | | | | |
| | D | 1 | 2.000 | | 2.100 | 4.200 | |
| | D1 | 1 | 1.800 | | 2.100 | 3.780 | |
| | D2 | 1 | 1.500 | | 2.100 | 3.150 | |
| | D3 | 4 | 1.000 | | 2.100 | 8.400 | |
| | D4 | 6 | 0.750 | | 2.100 | 9.450 | |
| | | | | | Total | 28.980 | Sqm |
| 16 | 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 | | | | | | |
| | | | | | Kg/Sqm | | |
| | W | 3 | 3.000 | 5.000 | 1.675 | 75.375 | |
| | V | 6 | 0.450 | 5.000 | 0.600 | 8.100 | |
| | | | | | Total | 83.475 | kg |
| 17 | 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 | | | | | | |
| | | | | | kg/Sqft | | |
| | W1 | 3 | 1.500 | 25.000 | 1.375 | 154.688 | |
| | | | | | Total | 154.688 | kg |
| 16 | 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. | | | | | | |
| | External wall | 1 | 448.500 | area | | 448.500 | |
| | Internal wall | 1 | 783.220 | area | | 783.220 | |
| | | | | | Total | 1231.720 | Sqm |

| | | | | | | | |
|----|--|---|---------|-------|-------|----------|-----|
| 17 | 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. | | | | | | |
| | External wall | 1 | 448.500 | area | | 448.500 | |
| | | | | | Total | 448.500 | Sqm |
| 18 | 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. | | | | | | |
| | External wall | 1 | 448.500 | area | | 448.500 | |
| | Internal wall | 1 | 783.220 | area | | 783.220 | |
| | | | | | Total | 1231.720 | Sqm |
| 19 | Painting two coats with approved distempering 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. | | | | | | |
| | Internal wall | 1 | 783.220 | area | | 783.220 | |
| | | | | | Total | 783.220 | Sqm |
| 20 | Well dressed Bamboo Wall with two coat of Enamel paint including cost of all labour & materials etc. | | | | | | |
| | Dining | 1 | 64.000 | | 3.000 | 192.000 | |
| | | 2 | 89.000 | | 2.800 | 498.400 | |
| | | | | | Total | 690.400 | Sqm |
| 21 | Providing fitting and fixing of thach roof | | | | | | |
| | Dining | 2 | 115.000 | 1.000 | | 230.000 | |
| | | 1 | 580.000 | 1.000 | | 580.000 | |
| | | | | | Total | 810.000 | Sqm |
| 22 | Providing fitting and fixing of ALU. Sheet roof | | | | | | |
| | | 1 | 267.000 | 1.000 | | 267.000 | |
| | | | | | Total | 267.000 | Sqm |

Shubh

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Pranay
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Berhampur Division

[Signature]
COLLECTOR,
GANJAM CHATRAPUR

| ABSTRACT OF ESTIMATE FOR CONSTRUCTION OF COTTAGE OF GHODAHADA ECO-RESORT ,BERHAMPUR,ODISHA. | | | | | |
|--|---|-------------|-------------|-------------|-------------------|
| IV | Cottage 10 Nos | | | | |
| 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 | 77.000 | 206.80 | 15923.60 |
| 2 | Filling at all depth with available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 15cm in depth: consolidating each deposited layer by ramming and watering complete (lead upto 100m) as directed by the Engineer-In-charge. | | | | |
| | | Cum | 73.700 | 114.90 | 8468.13 |
| 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 | 123.600 | 710.30 | 87793.08 |
| 4 | Diluting and injecting chemical emulsion (to be supplied free of cost at site of work) for PRE CONSTRUCTIONAL Anti-termite treatment and creating a continuous chemical barrier under and all-round the column pits, wall trenches, basement excavation, top perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surroundings of pipes and conduits etc. complete as per specifications (plinth area of the building at ground floor only shall be measured for payment). | | | | |
| | | Sqm | 130.000 | 138.00 | 17940.00 |
| 5 | Providing and laying plain cement concrete 1:4:8 (1 cement: 4 sand: 8 stone agregate 40mm nominal size) as levelling course in foundation and plinth etc. including tempering, curring ,shuttering etc.complete all depth and height. | | | | |
| | | Cum | 6.600 | 5985.60 | 39504.96 |
| 6 | Providing and laying plain cement concrete 1:2:4 (1 cement: 2 sand: 4 stone agregate 40mm nominal size) as levelling course in foundation and plinth etc. including tempering, curring ,shuttering etc.complete all depth and height. | | | | |
| | | Cum | 13.000 | 7630.50 | 99196.50 |
| 7 | First class Fly ash Brick masonry using bricks of size 25 cm. x 12 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 | 62.510 | 5727.70 | 358038.53 |


| | | | | | |
|----|--|------|--------|----------|-----------|
| 8 | Fly Ash. brick masonry of size 25 cm. x 12 cm. x 8 cm. having crushing strength not less than 75 kg. Per Sqr. Cm. in cement mortar of mix (1:6) with approved grade cement and screened & washed sand for mortar after immersing the bricks for 6 (Six) hours in water before use in Superstructure 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 | 17.685 | 5766.00 | 101971.71 |
| 9 | Half brick work with Fly Ash brick masonry in cement mortar (1:4) in super structure having a crushing strength of not less than 75 kg./sqcm with dimensional tolerance $\pm 2\%$ including splays cutting circular moulding chamfering and corbelling and similar such type of works with all necessary projections watering and curing after immersing the bricks in water at least for six hours before use including cost, conveyance, royalties and taxes of all materials with all labour,labour cess and T & P required for the work complete in all respect as per direction of Engineer-in-Charge. | | | | |
| | Ground floor | Sqm | 24.500 | 740.36 | 18138.88 |
| 10 | Providing, lifting, hoisting and laying Reinforced cement concrete of M-25 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 | | | | |
| | Ground floor | | | | |
| | a) Lintel | Cum | 0.028 | 14117.20 | 397.05 |
| 11 | 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 | 0.000 | 8950.20 | 0.00 |
| 12 | 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 | 75.060 | 162.60 | 12204.76 |


| | | | | | |
|----|--|-----|--------|---------|----------|
| 13 | 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 | 59.940 | 229.60 | 13762.22 |
| 14 | 6mm cement plaster to out side of brick surfaces with cement mortar of mix 1:4 (1 cement : 4 fine sand) including necessary scaffolding, curing etc. all complete at all floors and all heights. | | | | |
| | Ground floor | Sqm | 20.314 | 172.20 | 3498.00 |
| 15 | Supplying, fitting & fixing of 10 mm thick & size of 600x600 mm verified floor tile of matt finish with veilcraft (VC/FT) shield(Scratch free/stain free) with water absorption limit between 0.08% to 3% and conforming to IS : 15622:2006 (Group B Ib). 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 | 73.448 | 1109.20 | 81468.52 |
| 16 | Supplying, fitting & fixing of 10 mm thick and size of 600x600 mm verified wall tile of in dadoes, skirting and risers of steps of 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 | 8.424 | 1206.20 | 10161.03 |
| 17 | Supplying, fitting and fixing of Antiskid Ceramic Floor Tiles in flooring using special plain / printed series Ceramic Floor Tile of premium grade (having minimum thickness 7 mm to 8 mm & size 300 mm x300 mm, confirming to I.S 13755 of approved quality and shade in floors, treads on steps and landings on 20 m.m thick bed of cement mortar of mix (1:4) laid in proper slope and gradient with screened & washed sharp river sand for mortar and fixing with neat white cement slurry,grouting the joints with neat white cement slurry mixed with required quantities of pigments (Tiles are to be immersed in the water for required time before use) of approved make to match the shades of the Ceramic Floor Tiles if required including cost, conveyance, loading, unloading, stacking, royalties , all taxes, cost of all Labour, Labour cess ,Sundries, T&P required for the work , Watering , Curing for required days , cleaning the flooring space manually etc. complete in all respect as directed by the Engineer-in-charge. | | | | |
| | Ground floor | Sqm | 20.413 | 642.70 | 13119.31 |
| 18 | Supplying, fitting & fixing of Ceramic wall tiles of premium grade of size(200x300 mm/200x200 mm) having thickness 6.5mm to 6.7mm confirming to IS 13753 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 | 38.010 | 698.30 | 26542.38 |

| | | | | | |
|----|---|-----|---------|----------|-----------|
| 19 | 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 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. | | | | |
| | Ground floor | Sqm | 4.500 | 2777.00 | 12496.50 |
| 20 | Supplying, fitting & fixing of Granite Tiles of minimum Above 0.10 Sqm & up to 0.4 sqm (10mm. thick) of approved make in dadoes laid on 12 mm thick cement mortar (1:3) (1 cement : 3 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. | | | | |
| | Ground floor | Sqm | 3.240 | 1992.50 | 6455.70 |
| 21 | 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 | 0.078 | 79160.60 | 6171.56 |
| 22 | 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 | | | | |
| | Ground floor | Sqm | 3.150 | 4612.20 | 14528.43 |
| 23 | Factory made GIRID FRP or called GRP sandwich composite door shutter of 32mm thick laminated with two GRP skin with good grain finish fabricated using UV stabilised isopthalic gel coat and one layer of 450 gsm E-glass chopped strand mat (CSM) impregnated with ortopathilic resin The thickness of the skins shall not be less than 1.50mm . Expanded polysryne (EPS) structural foam panel of 29 mm tickness and a density of 20kg/cu.mts shall be used as core material wooden reinforcements made of sesasoned sal wood block of cross section not less than 28mm x 32mm and also necessary sal wood reinforcements for fitting the metal fittings such as lower bolts ,aldrops, handles etc. shall be provided . A structural adhesive compatible with (EPS)foam shall be used for bending the core material. the sal wood reinforcements and the skin The material and process for manufacturing te door shutter shall conform to RV -TIFAC components design centre's standards and specification and the door shutters tested in conformation to IS 4020-1998. The Finish of door shutter will be plain colour as per specification and direction of the Engineer in Charge. etc. complete | | | | |
| | Ground floor | Sqm | 4.200 | 3916.10 | 16447.62 |
| 24 | 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 | | | | |
| | Gr. Floor | Sqm | 108.225 | 1107.60 | 119870.01 |
| | | | | | |

| | | | | |
|----------|--|-----|---------|--------------------|
| 12496.50 | 25 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 | 155.314 | 64.70 |
| | | | | 10048.79 |
| 6455.70 | 26 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 | 75.060 | 81.00 |
| | | | | 6079.86 |
| 6171.56 | 27 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 | 42.000 | 70.10 |
| | | | | 2944.20 |
| 14528.43 | 28 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 | 80.254 | 82.30 |
| | | | | 6604.87 |
| | 29 Well dressed Bamboo Wall with two coat of Enamel paint including cost of all labour & materials etc. | | | |
| | Ground floor | Sqm | 255.441 | 1796.00 |
| | | | | 458772.04 |
| | 30 Providing fitting and fixing of thach roof | | | |
| | Ground floor | Sqm | 185.000 | 920.00 |
| | | | | 170200.00 |
| | Total | | | 1738748.23 |
| | Total 10 Nos Cottage | | | 17387482.32 |
| | Say Rs. | | | 17387482.00 |

16447.62


Technical Consultant
 B.E. in Civil Engg.
 District Project Co-ordinator
 Samagra Sikhya Ganjam,
 Sanakhemundi Block


 Asst. Conservator of Forests
 Berhampur Division

119870.01


COLLECTOR,
 GANJAM, CHATRAPUR.

| ESTIMATE FOR CONSTRUCTION OF COTTAGE OF GHODAHADA RESORT ,BERHAMPUR,ODISHA. | | | | | | | ECO- |
|--|---|-----|---------|-------|--------|----------|-------|
| IV | Cottage | | | | | | |
| Sl.no. | Description of Items | Nos | Length | Width | Height | Quantity | Units |
| 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. | | | | | | |
| | Peripheral wall | 1 | 110.000 | 1.000 | 0.700 | 77.000 | |
| | | | | | Total | 77.000 | Cum |
| 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) | 1 | 110.000 | area | 0.670 | 73.700 | |
| | | | | | Total | 73.700 | Cum |
| 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. | | | | | | |
| | Footing | | | | | | |
| | Peripheral wall | 1 | 110.000 | 0.600 | 0.100 | 6.600 | |
| | Plinth Area | 1 | 130.000 | 1.000 | 0.900 | 117.000 | |
| | | | | | Total | 123.600 | Cum |
| 4 | Diluting and injecting chemical emulsion (to be supplied free of cost at site of work) for PRE CONSTRUCTIONAL Anti-termite treatment and creating a continuous chemical barrier under and all-round the column pits, wall trenches, basement excavation, top perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surroundings of pipes and conduits etc. complete as per specifications (plinth area of the building at ground floor only shall be measured for payment). | | | | | | |
| | Internal Floor Area | 1 | 130.000 | 1.000 | | 130.000 | |
| | | | | | Total | 130.000 | Sqm |
| 5 | Providing and laying plain cement concrete 1:4:8 (1 cement: 4 sand: 8 stone agregate 40mm nominal size) as levelling course in foundation and plinth etc. including tempering, curring ,shuttering etc.complete all depth and height. | | | | | | |
| | Footing | | | | | | |
| | Peripheral wall | 1 | 110.000 | 0.600 | 0.100 | 6.600 | |
| | | | | | Total | 6.600 | Cum |
| 6 | Providing and laying plain cement concrete 1:2:4 (1 cement: 2 sand: 4 stone agregate 40mm nominal size) as levelling course in foundation and plinth etc. including tempering, curring ,shuttering etc.complete all depth and height. | | | | | | |
| | Plinth Area | 1 | 130.000 | 1.000 | 0.100 | 13.000 | |
| | | | | | Total | 13.000 | Cum |

| | | | | | | | |
|---|--|----|---------|-------|-------|--------|-----|
| 7 | First class Fly ash Brick masonry using bricks of size 25 cm. x 12 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. | | | | | | |
| | Peripheral wall | 1 | 110.000 | 0.750 | 0.250 | 20.625 | |
| | Peripheral wall | 1 | 110.000 | 0.500 | 0.250 | 13.750 | |
| | | 1 | 110.000 | 0.250 | 0.920 | 25.300 | |
| | Step | 2 | 1.800 | 0.250 | 0.150 | 0.135 | |
| | | 2 | 1.800 | 0.250 | 0.300 | 0.270 | |
| | | 2 | 1.800 | 0.250 | 0.450 | 0.405 | |
| | | 2 | 1.800 | 0.250 | 0.600 | 0.540 | |
| | | 2 | 1.800 | 0.250 | 0.750 | 0.675 | |
| | | 2 | 1.800 | 0.250 | 0.900 | 0.810 | |
| | | | | | Total | 62.510 | Cum |
| 8 | Fly Ash. brick masonry of size 25 cm. x 12 cm. x 8 cm. having crushing strength not less than 75 kg. Per Sqr. Cm. in cement mortar of mix (1:6) with approved grade cement and screened & washed sand for mortar after immersing the bricks for 6 (Six) hours in water before use in Superstructure 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 | | | | | | |
| | | 1 | 27.000 | 0.250 | 2.800 | 18.900 | |
| | Deduction :- Doors | -2 | 0.600 | 0.250 | 2.100 | -0.630 | |
| | window | -2 | 0.600 | 0.250 | 1.350 | -0.405 | |
| | V | -2 | 0.600 | 0.250 | 0.600 | -0.180 | |
| | | | | | Total | 17.685 | Cum |
| 9 | Half brick work with Fly Ash brick masonry in cement mortar (1:4) in super structure having a crushing strength of not less than 75 kg./sqcm with dimensional tolerance $\pm 2\%$ including splays cutting circular moulding chamfering and corbelling and similar such type of works with all necessary projections watering and curing after immersing the bricks in water at least for six hours before use including cost, conveyance, royalties and taxes of all materials with all labour,labour cess and T & P required for the work complete in all respect as per direction of Engineer-in-Charge. | | | | | | |
| | | 1 | 11.000 | | 2.800 | 30.800 | |
| | D3 | -4 | 0.750 | | 2.100 | -6.300 | |
| | | | | | Total | 24.500 | Sqm |

| | | | | | | | |
|----|--|----|--------|--------|---------|--------|-----|
| 10 | Providing, lifting, hoisting and laying Reinforced cement concrete of M-25 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 | | | | | | |
| | a) Lintel :- | | | | | | |
| | 250 mm Wall | 1 | 0.600 | 0.250 | 0.150 | 0.023 | |
| | 125 mm Wall | 2 | 0.750 | 0.125 | 0.150 | 0.028 | |
| | | | | | Total | 0.028 | Cum |
| 8 | 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. | | | | | | |
| | a) Lintel | 1 | 0.028 | Kg/Cum | 110.000 | 3.094 | |
| 9 | 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. | | | | | | |
| | External wall | 1 | 27.000 | | 2.800 | 75.600 | |
| | V | -2 | 0.600 | | 0.450 | -0.540 | |
| | | | | | Total | 75.060 | Sqm |
| 10 | 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. | | | | | | |
| | Toilet | 2 | 5.800 | | 2.800 | 32.480 | |
| | Dress | 2 | 5.000 | | 2.800 | 28.000 | |
| | V | -2 | 0.600 | | 0.450 | -0.540 | |
| | | | | | Total | 59.940 | Sqm |
| 11 | 6mm cement plaster to out side of brick surfaces with cement mortar of mix 1:4 (1 cement : 4 fine sand) including necessary scaffolding, curing etc. all complete at all floors and all heights. | | | | | | |
| | Toilet | 2 | 2.800 | 1.800 | | 10.080 | |
| | Dress | 2 | 2.460 | 2.080 | | 10.234 | |
| | | | | | Total | 20.314 | Sqm |

| | | | | | | | |
|----|--|----|-------|-------|-------|--------|-----|
| 12 | Supplying, fitting & fixing of 10 mm thick & size of 600x600 mm verified floor tile of matt finish with veilcraft (VC/FT) shield(Scratch free/stain free) with water absorption limit between 0.08% to 3% and conforming to IS : 15622:2006 (Group B Ib) , 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) | | | | | | |
| | Bed room | 2 | 5.000 | 5.300 | | 53.000 | |
| | Verndah | 2 | 5.680 | 1.800 | | 20.448 | |
| | | | | | Total | 73.448 | Sqm |
| 13 | Supplying, fitting & fixing of 10 mm thick and size of 600x600 mm verified wall tile in dadoes, skirting and risers of steps of 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. | | | | | | |
| | Bed room | 4 | 5.300 | | 0.150 | 3.180 | |
| | | 4 | 5.000 | | 0.150 | 3.000 | |
| | Verndah | 2 | 5.680 | | 0.150 | 1.704 | |
| | | 2 | 1.800 | | 0.150 | 0.540 | |
| | | | | | Total | 8.424 | Sqm |
| 14 | Supplying, fitting and fixing of Antiskid Ceramic Floor Tiles in flooring using special plain / printed series Ceramic Floor Tile of premium grade (having minimum thickness 7 mm to 8 mm & size 300 mm x300 mm, confirming to I.S 13755 of approved quality and shade in floors, treads on steps and landings on 20 m.m thick bed of cement mortar of mix (1:4) laid in proper slope and gradient with screened & washed sharp river sand for mortar and fixing with neat white cement slurry,grouting the joints with neat white cement slurry mixed with required quantities of pigments (Tiles are to be immersed in the water for required time before use) of approved make to match the shades of the Ceramic Floor Tiles if required including cost, conveyance, loading, unloading, stacking, royalties , all taxes, cost of all Labour, Labour cess ,Sundries, T&P required for the work , Watering , Curing for required days , cleaning the flooring space manually etc. complete in all respect as directed by the Engineer-in-charge. | | | | | | |
| | Toilet | 2 | 2.800 | 2.100 | | 11.760 | |
| | Dress | 2 | 2.080 | 2.080 | | 8.653 | |
| | | | | | Total | 20.413 | Sqm |
| 15 | Supplying, fitting & fixing of Ceramic wall tiles of premium grade of size(200x300 mm/200x200 mm) having thickness 6.5mm to 6.7mm confirming to IS 13753 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 | | | | | | |
| | Toilet | 4 | 2.800 | | 2.100 | 23.520 | |
| | | 4 | 2.100 | | 2.100 | 17.640 | |
| | Deduction :- Door & window D2 | -2 | 0.750 | | 2.100 | -3.150 | |
| | | | | | Total | 38.010 | Sqm |

| | | | | | | | |
|----|---|----|-------|-------|-------|-------|-----|
| 16 | 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 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 | | | | | | |
| | Step | 10 | 1.800 | 0.250 | | 4.500 | |
| | | | | | Total | 4.500 | Sqm |
| 17 | Supplying, fitting & fixing of Granite Tiles of minimum Above 0.10 Sqm & up to 0.4 sqm (10mm. thick) of approved make in dadoes laid on 12 mm thick cement mortar (1:3) (1 cement : 3 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. | | | | | | |
| | Step | 12 | 1.800 | | 0.150 | 3.240 | |
| | | | | | Total | 3.240 | Sqm |
| 18 | Providing and fixing WPC frames at any locations including doors, 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. | | | | | | |
| | D2 | 2 | 4.950 | 0.125 | 0.063 | 0.078 | |

| | | | | | | | |
|----|---|---|--------|--------|-------|---------|-----|
| 19 | 32mm WPC panelled shutters moulded panels with all labour, iron fittings, and wooden hinged cleats etc fitted and fixed complete in all respect | | | | Total | 0.078 | Cum |
| | D2 | 2 | 0.750 | | 2.100 | 3.150 | |
| | | | | | Total | 3.150 | Sqm |
| 20 | Factory made GIRID FRP or called GRP sandwich composite door shutter of 32mm thick laminated with two GRP skin with good grain finish fabricated using UV stabilised isopthalic gel coat and one layer of 450 gsm E-glass chopped strand mat (CSM) impregnated with ortopathilic resin The thickness of the skins shall not be less than 1.50mm . Expanded polysryne (EPS) structural foam panel of 29 mm tickness and a density of 20kg/cu.mts shall be used as core material wooden reinforcements made of sesasoned sal wood block of cross section not less than 28mm x 32mm and also necessary sal wood reinforcements for fitting the metal fittings such as lower bolts ,aldrops, handles etc. shall be provided . A structural adhesive compatible with (EPS)foam shall be used for bending the core material. the sal wood reinforcements and the skin The material and process for manufacturing te door shutter shall conform to RV -TIFAC components design centre's standards and specification and the door shutters tested in conformation to IS 4020-1998. The Finish of door shutter will be plain colour as per specification and direction of the Engineer in Charge. etc. complete | | | | | | |
| | D | 2 | 1.000 | | 2.100 | 4.200 | |
| | | | | | Total | 4.200 | Sqm |
| 21 | 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 | | | | | | |
| | | | | Kg/Sqm | | | |
| | W | 6 | 2.100 | 5.000 | 1.675 | 105.525 | |
| | V | 2 | 0.600 | 5.000 | 0.450 | 2.700 | |
| | | | | | Total | 108.225 | kg |
| 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. | | | | | | |
| | External wall | 1 | 75.060 | area | | 75.060 | |

| | | | | | | | |
|----|---|----|---------|-------|-------|---------|-----|
| | Internal wall | 1 | 59.940 | area | | 59.940 | |
| | Ceiling | 1 | 20.314 | area | | 20.314 | |
| | | | | | Total | 155.314 | Sqm |
| 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. | | | | | | |
| | External wall | 1 | 75.060 | area | | 75.060 | |
| | | | | | Total | 75.060 | Sqm |
| 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. | | | | | | |
| | External wall | 1 | 75.060 | area | | 75.060 | |
| | Internal wall | 1 | 59.940 | area | | 59.940 | |
| | Ceiling | 1 | 20.314 | area | | 20.314 | |
| | | | | | Total | 155.314 | Sqm |
| 25 | Painting two coats with approved distempering 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. | | | | | | |
| | Internal wall | 1 | 59.940 | area | | 59.940 | |
| | Ceiling | 1 | 20.314 | area | | 20.314 | |
| | | | | | Total | 80.254 | Sqm |
| 26 | Well dressed Bamboo Wall with two coat of Enamel paint including cost of all labour & materials etc. | | | | | | |
| | Wall | 2 | 5.500 | | 3.050 | 33.550 | |
| | | 4 | 5.000 | | 3.050 | 61.000 | |
| | | 4 | 5.380 | | 3.050 | 65.636 | |
| | | 2 | 1.800 | | 1.000 | 3.600 | |
| | | 4 | 1.500 | | 1.000 | 6.000 | |
| | Ceiling | 4 | 7.600 | 3.650 | | 110.960 | |
| | Deduction:- | | | | | | |
| | D | -2 | 1.000 | | 2.100 | -4.200 | |
| | W | -6 | 2.100 | | 1.675 | -21.105 | |
| | | | | | Total | 255.441 | Sqm |
| 27 | Providing fitting THACHED ROOF including all cost conveyance taxes etc. complete. | | | | | | |
| | | 1 | 185.000 | | 1.000 | 185.000 | |
| | | | | | Total | 185.000 | Sqm |

Sahu
Technical Consultant
 B.E. in Civil Engg.
 District Project Co-ordinator
 Samagra Sikhya Ganjam,
 Sanakhemundi Block

Prasad
 Asst. Conservator of Forests
 Berhampur Division

COLLECTOR,
GANJAM, CHATRAPUR.

**ESTIMATE OF LANDSCAPING FOR CONSTRUCTION OF GHODAHADA
ECO-RESORT ,BERHAMPUR,ODISHA.**

| LANDSCAPING | | | | | | |
|--------------------|---|---|-------------|------------|-------------|---------------|
| Sl. No. | DSR-2020/ Nos (Horticulture & landscaping) | Description | Unit | Qty | Rate | Amount |
| 1 | 2.1 | Surface dressing of the ground including removing Vegetation and making up undulations and in-equalities not exceeding 15 cms in depth/ height including disposal of rubbish lead upto 50m (at least 5m away from the dressed | Sqm | 3050.00 | 20.87 | 63653.50 |
| 2 | 2.2 | Supplying and stacking of good earth at site including royalty and carriage upto 5 km lead complete (earth measured in stacks will be reduced by 20% for payment), 200mm thick. | Cum | 1458.00 | 452.08 | 659132.64 |
| 3 | 2.3 | Supplying and stacking sludge at site including royalty and carriage upto 5 km lead complete (sludge measured in stacks will be reduced by 8% for payment). | Cum | 1694.00 | 257.70 | 436543.80 |
| 4 | 2.6 | Uprooting weeds from the trenched area after 10 to 15 days of its flooding with water including disposal of uprooted vegetation, breaking clods and fine dressing the ground including all materials and labour complete as per direction of Engineer-In-Charge. | Sqm | 3050.00 | 4.30 | 13115.00 |
| 5 | 2.33 | Providing and laying Neelgiri/Mexican grass turf with earth 50mm to 60mm thickness of existing ground prepared with proper level and ramming with tools wooden (Dhurmos) and than rolling the surface with light roller make the surface smoothen and light watering with sprinkler and maintenance for 30 days or more till the grass establish properly, as per direction of officer-in-charge. | Sqm | 1458.00 | 187.99 | 274089.42 |
| 6 | 2.34 | Providing & laying Selection no. 1 grass turf with earth 50mm to 60mm thickness of existing ground prepared with proper level and ramming with required tools wooden and than rolling the surface with light roller make the surface smoothen and light watering the same maintenance for 30 days or more till the grass establish properly,as per direction of officer in charge | Sqm | 2800.00 | 76.72 | 214816.00 |
| 7 | | Provision of plantation all around the campus with suitable Plants and Shurbs where required including all material and labour charge. | | | | |
| | | Philodendron bipinnatifidum | Nos | 160.00 | 130.00 | 20800.00 |
| | | Philodendron erubescens | Nos | 160.00 | 130.00 | 20800.00 |
| | | Philodendron williamsii | Nos | 160.00 | 130.00 | 20800.00 |
| | | Rhoeo spathacea (yellow) | Nos | 160.00 | 60.00 | 9600.00 |
| | | Spathyphyllum clevelandii | Nos | 160.00 | 50.00 | 8000.00 |
| | | Wedellia chinensis(10" DIA) | Nos | 160.00 | 60.00 | 9600.00 |
| | | Provision of plantation all around the campus with suitable tress where required including all material and labour charge. | | | | |
| | | Araucaria bidwillii | Nos | 200.00 | 150.00 | 30000.00 |
| | | Cinnamomum camphora | Nos | 200.00 | 100.00 | 20000.00 |
| | | Cryptomeria japonica | Nos | 200.00 | 150.00 | 30000.00 |
| | | Cupressus sempervirens | Nos | 200.00 | 150.00 | 30000.00 |
| | | Filicium decipiens | Nos | 200.00 | 100.00 | 20000.00 |
| | | Murraya exotica | Nos | 200.00 | 100.00 | 20000.00 |
| | | Kathachampa | Nos | 200.00 | 100.00 | 20000.00 |
| | | Thuja orientalis | Nos | 200.00 | 100.00 | 20000.00 |
| | | Bougainvillea | Nos | 200.00 | 50.00 | 10000.00 |
| | | Coleus blumei | Nos | 200.00 | 110.00 | 22000.00 |

| | | | | | | |
|---|------|---|-----|---------|--------|----------------------------|
| | | Gardenia jasminoides | Nos | 200.00 | 100.00 | 20000.00 |
| | | Hibiscus rosasinensis | Nos | 200.00 | 120.00 | 24000.00 |
| | | Ixora singaporensis | Nos | 200.00 | 100.00 | 20000.00 |
| | | Jasminum sambac | Nos | 200.00 | 80.00 | 16000.00 |
| | | Raphis palm | Nos | 200.00 | 100.00 | 20000.00 |
| 8 | 2.57 | Plantation of Trees, Shrubs, and Hedge at site i/c watering and removal of unsaverieable material's as per direction of officer in charge (excluding cost of plant & water) | Nos | 9215.00 | 6.67 | 61417.98 |
| | | | | | | |
| | | | | | | Total Rs. 2134368.3 |
| | | | | | | Say Rs. 2134368.0 |

Chheda
Technical Consultant
 B.E. in Civil Engg.
 District Project Co-ordinator
 Samagra Sikhya Ganjam,
 Sanakhemundi Block

Rajuy
Asst. Conservator of Forest
 Berhampur Division

COLLECTOR,
[Signature]

LEAD STATEMENT OF GHODAIHADA, BERHAMPUR, GANJAM, ODISHA.

| | | | | | | | | | | |
|---------|--------------------------|------|----------------|--------------|------------------|-------------|-------------------------|-----------------------------|-----------------------|-------|
| Sl. No. | Description of Materials | Unit | Name of quarry | Least in Rs. | Cost of carriage | Royalty (%) | Additional charges (Rs) | Total contribution per unit | Total Royalty charges | Total |
|---------|--------------------------|------|----------------|--------------|------------------|-------------|-------------------------|-----------------------------|-----------------------|-------|

| | |
|-----|------------|
| 00 | 20000.00 |
| 00 | 24000.00 |
| 00 | 20000.00 |
| 00 | 16000.00 |
| 00 | 20000.00 |
| 7 | 61417.98 |
| Rs. | 2134368.34 |
| Rs. | 2134368.00 |

LEAD STATEMENT OF GHODAHADA, BERHAMPUR, GANJAM, ODISHA.

| Sl. No. | Description of Materials | Unit | Name of quarry | Lead in KM | Cost of carriage | | | | Royalty (A) | Addl charge (B) | Total Contribution (C)= DMF 10%(A)+EM F 5%(A) | Total Royalty charges= (A+B+C) | Carriage + Total Royalty | Cost | Grand Total |
|---------|---|-----------|----------------|------------|------------------|----------------|----------------|--------|-------------|-----------------|---|--------------------------------|--------------------------|----------|-------------|
| | | | | | 1st 5km | Extra carriage | Total Carriage | 8 | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | |
| 1 | Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance + 2 % | 1000 Nos. | Purusottampur | 65 | 864.10 | 1680.90 | 2545.00 | | | 0.00 | 0.00 | 2545.00 | 5142.55 | 7687.55 | |
| 2 | 40mm size C.B.H.G metal (Passing through 45mm sieve & retained on 26.5mm sieve) | Cum | Sundarpur | 95 | 276.01 | 999.90 | 1275.91 | 130.00 | 100.00 | 19.50 | 249.50 | 1525.41 | 995.25 | 2520.66 | |
| 3 | 20mm size C.B.H.G chips (Minimum 65% passing through 19mm & retained on 13.2mm but whole should pass through 26.5mm sieve) | Cum | Sundarpur | 95 | 276.01 | 999.90 | 1275.91 | 130.00 | 100.00 | 19.50 | 249.50 | 1525.41 | 1382.29 | 2907.70 | |
| 4 | 12mm size C.B.H.G chips (Minimum 65% passing through 13.2mm & retained on 9.50mm but whole should pass through 19mm sieve) | Cum | Sundarpur | 95 | 276.01 | 999.90 | 1275.91 | 130.00 | 100.00 | 19.50 | 249.50 | 1525.41 | 1396.62 | 2922.03 | |
| 5 | 10mm size C.B.H.G chips (Minimum 65% passing through 9.5mm & retained on 6.30mm but whole should pass through 13.2mm sieve) | Cum | Sundarpur | 95 | 276.01 | 999.90 | 1275.91 | 130.00 | 100.00 | 19.50 | 249.50 | 1525.41 | 1418.67 | 2944.08 | |
| 6 | 4.7mm size C.B.H.G chips (Passing through 6.7mm sieve & retained on 2.36mm sieve) | Cum | Sundarpur | 95 | 276.01 | 999.90 | 1275.91 | 130.00 | 100.00 | 19.50 | 249.50 | 1525.41 | 850.20 | 2375.61 | |
| 7 | Rough stone granite quarried | Cum | Sundarpur | 95 | 276.01 | 999.90 | 1275.91 | 130.00 | 100.00 | 19.50 | 249.50 | 1525.41 | 291.96 | 1817.37 | |
| 8 | Sand for mortar | Cum | Rusikullya | 90 | 276.01 | 953.90 | 1229.91 | 35.00 | 125.00 | 5.25 | 165.25 | 1395.16 | 76.88 | 1472.04 | |
| 9 | Sand for filling | Cum | Rusikullya | 15 | 276.01 | 130.20 | 406.21 | 35.00 | 125.00 | 5.25 | 165.25 | 571.46 | 71.94 | 643.40 | |
| 10 | Steel (July-2023) TATA, JINDAL, SAIL, SELL TIGER, SHYAM STEEL | MT | Local | 35 | 247.87 | 356.70 | 604.57 | 0.00 | | 0.00 | 0.00 | 604.57 | 67971.65 | 68576.22 | |
| 11 | Cement | MT | Jagganathpur | 35 | 247.87 | 356.70 | 604.57 | 0.00 | | 0.00 | 0.00 | 604.57 | 4599.40 | 5203.97 | |
| 12 | All types of Tiles | Sqm | Local | 65 | 9.60 | 18.68 | 28.28 | 0.00 | | 0.00 | 0.00 | 28.28 | | | |
| 13 | Wood | | Local | 5 | 198.30 | 0.00 | 198.30 | | | 0.00 | 0.00 | | | | |
| | 9.5 mm to 4.7mm @35% | Cum | Sundarpur | 95 | 276.01 | 999.90 | 1275.91 | 130.00 | 100.00 | 19.50 | 249.50 | 1525.41 | 957.46 | 2482.87 | |
| | 4.7mm to 2.36mm @12.5% | Cum | Sundarpur | 95 | 276.01 | 999.90 | 1275.91 | 35.00 | 100.00 | 5.25 | 140.25 | 1416.16 | 850.20 | 2266.36 | |
| | Dust 2.36mm below @ 52.5% | Cum | Sundarpur | 95 | 276.01 | 999.90 | 1275.91 | 35.00 | 100.00 | 5.25 | 140.25 | 1416.16 | 136.33 | 1552.49 | |

Certified that, the leads provided in the estimate are correct and minimum to the best of my knowledge.

S. Subudhakar

Technical Consultant
B.E. in Civil Engg.
District Project Co-ordinator
Samagra Sikhya Ganjam,
Sanakhemundi Block

S. Subudhakar
Asst. Conservator of Forests
Berhampur Division

| Steel rate to be changed | | | | | | | | | | | |
|---------------------------------|---|--------|-------|----|-------------------|-------------------|--------|---------------------------|--|-----------------|-------|
| | | | | | Diameter in mm | Weight in Kg/m | Length | Weight per Piece in Kg | Rate per piece for July Month 2023 | Rate per Ton | |
| cement | 0 | 598.96 | /Qntl | 8 | 0.395 | 12 | 4.740 | 389.00 | 82067.51 | / Ton | |
| | 0 | 0.00 | /Qntl | 10 | 0.617 | 12 | 7.404 | 593.00 | 80091.84 | / Ton | |
| | 0 | 0.00 | /Qntl | 12 | 0.888 | 12 | 10.656 | 849.00 | 79673.42 | / Ton | |
| Total | | 598.96 | /Qntl | 16 | 1.578 | 12 | 18.936 | 1507.00 | 79583.86 | / Ton | |
| Average Rate | | 598.96 | /Qntl | 20 | 2.466 | 12 | 29.592 | 2356.00 | 79616.11 | / Ton | |
| | | 467.94 | /Qntl | | | | | | Total | 401032.74 | / Ton |
| Deduct cost of empty cement bag | | 8.00 | | | | | | | Average | 80206.55 | / Ton |
| | | 459.94 | | | | | | | Rate Excludin g 18% GST | 67971.7 | / Ton |

4599.40 /Ton

**

| AS PER NOTIFICATION NO-10466/W DT. 23-06-2023 | | | | | |
|---|--------------|--------------|--------------|---------------|---------------|
| BRAND NAME OF STEEL | DIA OF BAR | | | | |
| | 8MM | 10MM | 12MM | 16MM | 20MM |
| TATA STEEL | 379 | 578 | 816 | 1451 | 2268 |
| JINDAL PANTHAR | 379 | 578 | 816 | 1451 | 2268 |
| SAIL | 374 | 570 | 815 | 1447 | 2262 |
| SEL TIGER | 376 | 574 | 816 | 1450 | 2263 |
| SHYAM STEEL | 368 | 567 | 805 | 1433 | 2240 |
| Average Rate | 375.2 | 573.4 | 813.6 | 1446.4 | 2260.2 |

ANALYSIS OF RATES

| Sl. No | Items of works | Unit | Quantity | Rate(Rs) | Amount(Rs) |
|--------|---|------|-------------------|------------|-----------------|
| 1 | Earth work in excavation in hard soil or gravelly soil including dressing and levelling the bed complete with all. | | | | |
| | Unit = Cum | | | | |
| | (A/R 2006-Page No-2) | | | | |
| | Taking output = 100 Cum | | | | |
| | a) Labour | | | | |
| | Man Mulia unskilled | Each | 21.50 | 345.00 | 7417.50 |
| | Woman Mulia unskilled | Each | 21.50 | 345.00 | 7417.50 |
| | | | | (A) | 14835.00 |
| | 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+d | | | | 17060.26 |
| | d) Cost per 1 Cum | | | | 170.60 |
| | Add towards Labour Cess @ 1% | | 1% | 170.60 | 1.71 |
| | | | | | 172.31 |
| | | | | Say | 172.30 |
| | e) Add 20% for excavation | | 20% | 17060.26 | 3412.05 |
| | | | | | 20472.31 |
| | Add towards Labour Cess @ 1% | | 1% | 20472.31 | 204.72 |
| | | | | | 20677.03 |
| | Rate per 1 Cum | | | | 206.77 |
| | | | | Say | 206.80 |
| 2 | Filling foundation and plinth with excavated earth complete with all. | | | | |
| | For 1 Cum -2/3 rd of item-1(d) | | | | 113.74 |
| | Add towards Labour Cess @ 1% | | 1% | 113.74 | 1.14 |
| | | | | Total | 114.88 |
| | | | | Say | 114.90 |
| | Filling of Excavated Earth to proper thickness slope grade and rolling with PRR at OMC including cost of all charges and complete. | | | | |
| | For 1 Cum -2/3 rd of item-1(d) | | | | 113.74 |
| | Hire & running charges of P.R.R | | 339.00 x8/425 | | 6.38 |
| | Watering | | 1.28/100 x1380.00 | | 17.66 |
| | | | | | 137.79 |
| | | | 01-Jan | | |
| 3 | Sand filling as per approved drawing and technical specifications as per Section 2100 of MoRT&H Specifications for Road & Bridge works (4th Revision). | | | | |
| | Unit = Cum | | | | |
| | (A/R 2006-Page No-8 item-15) | | | | |
| | Taking output = 100 Cum | | | | |
| | a) Labour | | | | |
| | Man Mulia | Each | 12.36 | 345.00 | 4264.20 |

| | | | | |
|--------------------------------------|-----|--------|------------|----------------|
| | | | | 4264.20 |
| d) Cost of sand | Cum | 100.00 | 71.94 | 7194.00 |
| | | | | 11458.20 |
| b) Overhead charges @ 7.5% on (a) | | 7.5% | 11458.20 | 859.37 |
| c) Contractor's Profit @ 7.5% on (a) | | 7.5% | 11458.20 | 859.37 |
| Cost per 100 Cum = a+b+c | | | | 13176.94 |
| Rate per Cum = (a+b+c)/100 | | | | 131.77 |
| | | | | 131.77 |
| d) carriage & royalty of sand | Cum | 1.00 | 571.46 | 571.46 |
| | | | | 703.23 |
| Add towards Labour Cess @ 1% | | 1% | 703.23 | 7.03 |
| | | | | 710.26 |
| | | | Say | 710.30 |

- 4 Plain cement concrete (1:3:6) nominal mix in foundation as per Drawing and Technical Specification

Unit = Cum (A/R 2006-Page No-43 item-3)

Taking output = 1 cum

a) Materials

| | | | | |
|--------------------------|------|------|-------|--------------|
| 40mm size H.G.C.B metal | Cum | 0.96 | 19.50 | 18.72 |
| Sand (screened & washed) | Cum | 0.48 | 5.25 | 2.52 |
| Cement | Qntl | 2.29 | 0.00 | 0.00 |
| | | | | 21.24 |

b) Labour

| | | | | |
|-----------------|------|------|--------|----------------|
| 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 |
| | | | | 1423.80 |

c) Overhead charges @ 7.5% on (a+b)

7.5% 1445.04 **108.38**

d) Contracor's Profit @ 7.5% on (a+b)

7.5% 1445.04 **108.38**

e) Carriage & Royalty

| | | | | |
|--------------------------|------|------|--------|---------------|
| 40mm size H.G.C.B metal | Cum | 0.96 | 100.00 | 96.00 |
| Sand (screened & washed) | Cum | 0.48 | 125.00 | 60.00 |
| Cement | Qntl | 2.29 | 0.00 | 0.00 |
| | | | | 156.00 |

Rate per Cum = a+b+c+d+e

1817.80

Add towards Labour Cess @ 1%

1% 1817.80 18.18

1835.98

Say 1836.00

- 5 Plain cement concrete (1:4:8) nominal mix in foundation as per Drawing and Technical Specification

Unit = Cum (A/R 2006-Page No-43 item-4)

Taking output = 1 cum

a) Materials

| | | | | |
|--------------------------|------|------|--------|----------------|
| 40mm size H.G.C.B metal | Cum | 0.96 | 995.25 | 955.44 |
| Sand (screened & washed) | Cum | 0.48 | 76.88 | 36.90 |
| Cement | Qntl | 1.72 | 459.94 | 791.10 |
| | | | | <u>1783.44</u> |

b) Labour

| | | | | |
|-----------------|------|------|--------|----------------|
| 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 |
| | | | | <u>1423.80</u> |

c) Overhead charges @ 7.5% on (a+b)

7.5% 3207.24 240.54

d) Contracor's Profit @ 7.5% on (a+b)

7.5% 3207.24 240.54

e) Carriage & Royalty

| | | | | |
|--------------------------|------|------|---------|----------------|
| 40mm size H.G.C.B metal | Cum | 0.96 | 1525.41 | 1464.39 |
| Sand (screened & washed) | Cum | 0.48 | 1395.16 | 669.68 |
| Cement | Qntl | 1.72 | 60.46 | 103.99 |
| | | | | <u>2238.06</u> |

Rate per Cum = a+b+c+d+e

5926.38

Add towards Labour Cess @ 1%

1% 5926.38 59.26

5985.64

Say 5985.60

- 6 Plain cement concrete (1:2:4) nominal mix as per Drawing and Technical Specification

Unit = Cum (A/R 2006-Page No-44 item-7)

Taking output = 1 cum

a) Materials

| | | | | |
|--------------------------|------|------|---------|----------------|
| 12mm size H.G.C.B chips | Cum | 0.90 | 1396.62 | 1256.96 |
| Sand (screened & washed) | Cum | 0.45 | 76.88 | 34.60 |
| Cement | Qntl | 3.23 | 459.94 | 1485.61 |
| | | | | <u>2777.17</u> |

b) Labour

| | | | | |
|-----------------|------|------|--------|----------------|
| Mason 2nd class | Each | 0.68 | 435.00 | 295.80 |
| Man Mulia | Each | 3.20 | 345.00 | 1104.00 |
| Woman Mulia | Each | 1.40 | 345.00 | 483.00 |
| | | | | <u>1882.80</u> |

c) Overhead charges @ 7.5% on (a+b)

7.5% 4659.97 349.50

d) Contracor's Profit @ 7.5% on (a+b)

7.5% 4659.97 349.50

e) Carriage & Royalty

| | | | | |
|--------------------------|------|------|---------|----------------|
| 12mm size H.G.C.B chips | Cum | 0.90 | 1525.41 | 1372.87 |
| Sand (screened & washed) | Cum | 0.45 | 1395.16 | 627.82 |
| Cement | Qntl | 3.23 | 60.46 | 195.28 |
| | | | | <u>2195.97</u> |

| | | | | |
|---------------------------------|----|------------|--|----------------|
| Rate per Cum = a+b+c+d+e | | | | 7554.94 |
| Add towards Labour Cess @ 1% | 1% | 7554.94 | | <u>75.55</u> |
| | | | | 7630.49 |
| | | Say | | 7630.50 |

- 5 **Fly ash Brick** Masonry in Cement Mortar (1:4) using clamp burnt bricks (25 Cm. x 12Cm. x 8Cm.) in foundation and plinth.

Unit = Cum (A/R 2006-Page No-71 item-2)

Taking output = 1 cum

a) Materials

| | | | | |
|--------------------------|------|--------|---------|----------------|
| Bricks | 1000 | 350.00 | 5142.55 | 1799.89 |
| Sand (screened & washed) | Cum | 0.28 | 76.88 | 21.53 |
| Cement | Qntl | 1.00 | 459.94 | <u>459.94</u> |
| | | | | 2281.36 |

b) Labour

| | | | | |
|-----------------|------|------|--------|----------------|
| Mason Special | Each | 0.35 | 495.00 | 173.25 |
| 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 | <u>486.45</u> |
| | | | | 1651.20 |

c) Overhead charges @ 7.5% on (a+b)

7.5% 3932.56 **294.94**

d) Contracor's Profit @ 7.5% on (a+b)

7.5% 3932.56 **294.94**

e) Carriage & Royalty

| | | | | |
|--------------------------|------|--------|---------|----------------|
| Bricks | 1000 | 350.00 | 2545.00 | 890.75 |
| Sand (screened & washed) | Cum | 0.28 | 1395.16 | 390.64 |
| Cement | Qntl | 1.00 | 60.46 | <u>60.46</u> |
| | | | | 1341.85 |

Rate per Cum = a+b+c+d+e

| | | | | |
|------------------------------|----|------------|--|----------------|
| | | | | 5864.29 |
| Add towards Labour Cess @ 1% | 1% | 5864.29 | | <u>58.64</u> |
| | | | | 5922.93 |
| | | Say | | 5922.90 |

(A) For Superstructure Brick(1:4)

| | | | | |
|--|------|---------|--|--------------------|
| Rate as above | | | | 5922.93 |
| 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% | 37.96 | | <u>0.38</u> |
| | | 5960.89 | | 5961.27 |
| | | | | Say 5961.30 |

(B) For First Floor Brick(1:4)

| | | | | |
|----------------------------------|------|---------|--|---------|
| Rate as above | | | | 5961.27 |
| 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% | 284.84 | 2.85 |
| | | | <u>6248.96</u> |
| | | Say | 6249.00 |
| (C) For Second Floor Brick(1:4) | | | |
| Rate as above | | | 6248.96 |
| Add extra Labour | 15% | 1898.88 | 284.83 |
| Overhead Charges on extra labour | 7.5% | 284.83 | 21.36 |
| Contractor's Profit | 7.5% | 284.83 | 21.36 |
| Add towards extra Labour Cess @ 1% | 1% | 327.55 | 3.28 |
| | | | <u>6579.79</u> |
| | | Say | 6579.80 |
| (D) For Third Floor Brick(1:4) | | | |
| Rate as above | | | 6579.79 |
| Add extra Labour | 15% | 2183.71 | 327.56 |
| Overhead Charges on extra labour | 7.5% | 327.56 | 24.57 |
| Contractor's Profit | 7.5% | 327.56 | 24.57 |
| Add towards extra Labour Cess @ 1% | 1% | 376.70 | 3.77 |
| | | | <u>6960.26</u> |
| | | Say | 6960.30 |
| (E) For Fourth Floor Brick(1:4) | | | |
| Rate as above | | | 6960.26 |
| Add extra Labour | 15% | 2511.27 | 376.69 |
| Overhead Charges on extra labour | 7.5% | 376.69 | 28.25 |
| Contractor's Profit | 7.5% | 376.69 | 28.25 |
| Add towards extra Labour Cess @ 1% | 1% | 433.19 | 4.33 |
| | | | <u>7397.78</u> |
| | | Say | 7397.80 |
| (F) For Fifth Floor Brick(1:4) | | | |
| Rate as above | | | 7397.78 |
| Add extra Labour | 15% | 2887.96 | 433.19 |
| Overhead Charges on extra labour | 7.5% | 433.19 | 32.49 |
| Contractor's Profit | 7.5% | 433.19 | 32.49 |
| Add towards extra Labour Cess @ 1% | 1% | 498.17 | 4.98 |
| | | | <u>7900.93</u> |
| | | Say | 7900.90 |
| (G) For sixth Floor Brick(1:4) | | | |
| Rate as above | | | 7900.93 |
| Add extra Labour | 15% | 3321.15 | 498.17 |
| Overhead Charges on extra labour | 7.5% | 498.17 | 37.36 |
| Contractor's Profit | 7.5% | 498.17 | 37.36 |
| Add towards extra Labour Cess @ 1% | 1% | 572.89 | 5.73 |
| | | | <u>8479.55</u> |
| | | Say | 8479.60 |
| (H) For Seventh Floor Brick(1:4) | | | |
| Rate as above | | | 8479.55 |
| Add extra Labour | 15% | 3819.32 | 572.90 |

| | | | |
|------------------------------------|------|------------|----------------|
| Overhead Charges on extra labour | 7.5% | 572.90 | 42.97 |
| Contractor's Profit | 7.5% | 572.90 | 42.97 |
| Add towards extra Labour Cess @ 1% | 1% | 658.84 | 6.59 |
| | | | <u>9144.98</u> |
| | | Say | 9145.00 |

6 Fly ash Brick Masonry in Cement Mortar (1:6) using bricks of size (25 Cm. x 12 Cm. x 8Cm.) in foundation and plinth

Unit = Cum (A/R 2006-Page No-71 item-3)

Taking output = 1 cum

a) Materials

| | | | | |
|--------------------------|------|--------|---------|----------------|
| Bricks | 1000 | 350.00 | 5142.55 | 1799.89 |
| Sand (screened & washed) | Cum | 0.28 | 76.88 | 21.53 |
| Cement | Qntl | 0.672 | 459.94 | 309.08 |
| | | | | <u>2130.50</u> |

b) Labour

| | | | | |
|-----------------|------|------|--------|----------------|
| Mason Special | Each | 0.35 | 495.00 | 173.25 |
| 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 |
| | | | | <u>1651.20</u> |

c) Overhead charges @ 7.5% on (a+b)

7.5% 3781.70 **283.63**

d) Contracor's Profit @ 7.5% on (a+b)

7.5% 3781.70 **283.63**

e) Carriage & Royalty

| | | | | |
|--------------------------|------|-------|---------|----------------|
| Bricks | 1000 | 350 | 2545.00 | 890.75 |
| Sand (screened & washed) | Cum | 0.28 | 1395.16 | 390.64 |
| Cement | Qntl | 0.672 | 60.46 | 40.63 |
| | | | | <u>1322.02</u> |

Rate per Cum = a+b+c+d+e

5670.98

Add towards Labour Cess @ 1%

1% 5670.98 56.71

5727.69

Say 5727.70

(A) For Superstructure Brick(1:6)

| | | | | |
|--|------|---------|------|--------------------|
| Rate as above | | | | 5727.69 |
| 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% | 37.96 | 0.38 | |
| | | 5765.65 | | <u>5766.03</u> |
| | | | | Say 5766.00 |

(B) For First Floor Brick(1:6)

| | | | | |
|----------------------------------|------|---------|--------|---------|
| Rate as above | | | | 5766.03 |
| 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% | 284.84 | 2.85 |
| | | | <u>6053.72</u> |
| | | Say | 6053.70 |
| (C) For Second Floor Brick(1:6) | | | |
| Rate as above | | | 6053.72 |
| Add extra Labour | 15% | 1898.88 | 284.83 |
| Overhead Charges on extra labour | 7.5% | 284.83 | 21.36 |
| Contractor's Profit | 7.5% | 284.83 | 21.36 |
| Add towards extra Labour Cess @ 1% | 1% | 327.55 | 3.28 |
| | | | <u>6384.55</u> |
| | | Say | 6384.60 |
| (D) For Third Floor Brick(1:6) | | | |
| Rate as above | | | 6384.55 |
| Add extra Labour | 15% | 2183.71 | 327.56 |
| Overhead Charges on extra labour | 7.5% | 327.56 | 24.57 |
| Contractor's Profit | 7.5% | 327.56 | 24.57 |
| Add towards extra Labour Cess @ 1% | 1% | 376.70 | 3.77 |
| | | | <u>6765.02</u> |
| | | Say | 6765.00 |
| (E) For Fourth Floor Brick(1:6) | | | |
| Rate as above | | | 6765.02 |
| Add extra Labour | 15% | 2511.27 | 376.69 |
| Overhead Charges on extra labour | 7.5% | 376.69 | 28.25 |
| Contractor's Profit | 7.5% | 376.69 | 28.25 |
| Add towards extra Labour Cess @ 1% | 1% | 433.19 | 4.33 |
| | | | <u>7202.54</u> |
| | | Say | 7202.50 |
| (F) For Fifth Floor Brick(1:6) | | | |
| Rate as above | | | 7202.54 |
| Add extra Labour | 15% | 2887.96 | 433.19 |
| Overhead Charges on extra labour | 7.5% | 433.19 | 32.49 |
| Contractor's Profit | 7.5% | 433.19 | 32.49 |
| Add towards extra Labour Cess @ 1% | 1% | 498.17 | 4.98 |
| | | | <u>7705.69</u> |
| | | Say | 7705.70 |
| (G) For Sixth Floor Brick(1:6) | | | |
| Rate as above | | | 7705.69 |
| Add extra Labour | 15% | 3321.15 | 498.17 |
| Overhead Charges on extra labour | 7.5% | 498.17 | 37.36 |
| Contractor's Profit | 7.5% | 498.17 | 37.36 |
| Add towards extra Labour Cess @ 1% | 1% | 572.89 | 5.73 |
| | | | <u>8284.31</u> |
| | | Say | 8284.30 |
| (H) For Seventh Floor Brick(1:6) | | | |
| Rate as above | | | 8284.31 |
| Add extra Labour | 15% | 3819.32 | 572.90 |

| | | | |
|------------------------------------|------|------------|----------------|
| Overhead Charges on extra labour | 7.5% | 572.90 | 42.97 |
| Contractor's Profit | 7.5% | 572.90 | 42.97 |
| Add towards extra Labour Cess @ 1% | 1% | 658.84 | 6.59 |
| | | | <u>8949.74</u> |
| | | Say | 8949.70 |

- 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 chajjas 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 | 58374.49 | 6537.94 |
| Planks 38mm | Cum | 0.340 | 58374.49 | 19847.33 |
| 120mm dia sal bullah | Mtr | 56.00 | 51.87 | 2904.72 |
| Carriage of wood @ 161.72/1.25 cum | Cum | 1.142 | 198.30 | 226.45 |
| | | | | <u>29516.44</u> |

Coinsidering 10 times use of the materials, for use once

For 1 time cost **2951.64**

b) Labour

| | | | | |
|---------------------|------|------|--------|----------------|
| Carpenter 2nd class | Each | 2.75 | 435.00 | 1196.25 |
| Semi skilled Mulia | Each | 2.75 | 385.00 | 1058.75 |
| | | | | <u>2255.00</u> |

c) Overhead charges @ 7.5% on (a+b)

7.5% 5206.64 **390.50**

d) Contracor's Profit @ 7.5% on (a+b)

7.5% 5206.64 **390.50**

Rate per 9Sqm = a+b+c+d

5987.64

Rate per Sqm = (a+b+c+d)/9

665.29

Add towards Labour Cess @ 1%

1% 665.29 **6.65**

671.94

Say 671.90

(A) For First Floor

| | | | | |
|---------------|-----|--------|------------|---------------|
| Rate as above | | | | 671.94 |
| Add extra | 20% | 671.94 | | 134.39 |
| | | | | <u>806.33</u> |
| | | | Say | 806.30 |

(B) For Second Floor

| | | | | |
|---------------|-----|--------|------------|---------------|
| Rate as above | | | | 806.33 |
| Add extra | 20% | 806.33 | | 161.27 |
| | | | | <u>967.60</u> |
| | | | Say | 967.60 |

(C) For Third Floor

| | | | | |
|---------------|-----|--------|--|----------------|
| Rate as above | | | | 967.60 |
| Add extra | 20% | 967.60 | | 193.52 |
| | | | | <u>1161.12</u> |

| | | | | |
|--|------|-----------------|------------|-----------------|
| | | | Say | 1161.10 |
| 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 | 58374.49 | 13309.38 |
| Non sal wood scantling | Cum | 0.039 | 58374.49 | 2276.61 |
| 120mm dia non sal bullah | Mtr | 6.500 | 41.81 | 271.77 |
| Carriage of wood @ 169.00/1.25 cum | Cum | 0.350 | 198.30 | 69.40 |
| | | | | 15927.16 |
| Coinsidering 10 times use of the materials, for use once | | | | |
| | | For 1 time cost | | 1592.72 |
| b) Labour | | | | |
| Carpenter 2nd class | Each | 2.75 | 435.00 | 1196.25 |
| Semi skilled Muliua | Each | 2.75 | 385.00 | 1058.75 |
| | | | | 2255.00 |
| 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 | | | | 4424.88 |
| Rate per Sqm = (a+b+c+d)/5 | | | | 884.98 |
| Add towards Labour Cess @ 1% | | 1% | 884.98 | 8.85 |
| | | | | 893.83 |
| | | | Say | 893.80 |
| (A) For First Floor | | | | |
| Rate as above | | | | 893.83 |
| Add extra | | 20% | 893.83 | 178.77 |
| | | | | 1072.60 |
| | | | Say | 1072.60 |
| (B) For Second Floor | | | | |
| Rate as above | | | | 1072.60 |
| Add extra | | 20% | 1072.60 | 214.52 |
| | | | | 1287.12 |
| | | | Say | 1287.10 |
| (C) For Third Floor | | | | |
| Rate as above | | | | 1287.12 |
| Add extra | | 20% | 1287.12 | 257.42 |
| | | | | 1544.54 |
| | | | Say | 1544.50 |

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 | 58374.49 | 15585.99 |
| Non-sal bullah 80mm dia for strutting | Mtr | 12.600 | 30.81 | 388.21 |

| | | | | |
|--|------|--------|-----------------|-----------------|
| Carriage of wood @ 169.00/1.25 cum | Cum | 0.3284 | 198.30 | 65.12 |
| | | | | 16039.32 |
| Coinsidering 10 times use of the materials, for use once | | | For 1 time cost | 1603.93 |
| b) Labour | | | | |
| Carpenter 2nd class | Each | 0.50 | 435.00 | 217.50 |
| Semi skilled Muliua | Each | 0.50 | 385.00 | 192.50 |
| | | | | 410.00 |
| c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 2013.93 | 151.04 |
| d) Contracor's Profit @ 7.5% on (a+b) | | 7.5% | 2013.93 | 151.04 |
| Rate per 10Sqm = a+b+c+d | | | | 2316.01 |
| Rate per Sqm = (a+b+c+d)/10 | | | | 231.60 |
| Add towards Labour Cess @ 1% | | 1% | 231.60 | 2.32 |
| | | | | 233.92 |
| | | | Say | 233.90 |
| 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) Materials | | | | |
| 38mm thick non sal planks | Cum | 0.218 | 58374.49 | 12725.64 |
| 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 @ 169.00/1.25 cum | Cum | 0.456 | 129.38 | 59.00 |
| | | | | 13988.02 |
| Coinsidering 10 times use of the materials, for use once | | | For 1 time cost | 1398.80 |
| b) Labour | | | | |
| Carpenter 2nd class | Each | 2.75 | 435.00 | 1196.25 |
| Semi skilled Muliua | Each | 2.75 | 385.00 | 1058.75 |
| | | | | 2255.00 |
| c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 3653.80 | 274.04 |
| d) Contracor's Profit @ 7.5% on (a+b) | | 7.5% | 3653.80 | 274.04 |
| Rate per 4.2Sqm = a+b+c+d | | | | 4201.88 |
| Rate per Sqm = (a+b+c+d)/4.2 | | | | 1000.45 |
| Add towards Labour Cess @ 1% | | 1% | 1000.45 | 10.00 |
| | | | | 1010.45 |
| | | | Say | 1010.50 |
| (A) For First Floor | | | | |
| Rate as above | | | | 1010.45 |
| Add extra | | 20% | 1010.45 | 202.09 |
| | | | | 1212.54 |
| | | | Say | 1212.50 |
| (B) For Second Floor | | | | |
| Rate as above | | | | 1212.54 |
| Add extra | | 20% | 1212.54 | 242.51 |
| | | | | 1455.05 |
| | | | Say | 1455.10 |
| (C) For Third Floor | | | | |

| | | | |
|---------------|-----|------------|----------------|
| Rate as above | | | 1455.05 |
| Add extra | 20% | 1455.05 | <u>291.01</u> |
| | | | 1746.06 |
| | | Say | 1746.10 |

v) R.C.C. Lintels (A/R 2006-Page No-54 item-10)

Unit = sqm

Taking output = 7.8 sqm

a) Materials

| | | | | |
|------------------------------------|-----|--------|----------|-----------------|
| 38mm thick non sal planks | Cum | 0.413 | 58374.49 | 24108.66 |
| 120mm dia non sal bullah | Mtr | 21.000 | 41.81 | 878.01 |
| Carriage of wood @ 169.00/1.25 cum | Cum | 0.689 | 198.30 | <u>136.63</u> |
| | | | | 25123.30 |

Coinsidering 10 times use of the materials, for use once

For 1 time cost **2512.33**

b) Labour

| | | | | |
|---------------------|------|------|--------|----------------|
| Carpenter 2nd class | Each | 1.25 | 435.00 | 543.75 |
| Semi skilled Mulia | Each | 1.25 | 385.00 | <u>481.25</u> |
| | | | | 1025.00 |

c) Overhead charges @ 7.5% on (a+b)

7.5% 3537.33 **265.30**

d) Contracor's Profit @ 7.5% on (a+b)

7.5% 3537.33 **265.30**

Rate per 7.8Sqm = a+b+c+d

4067.93

Rate per Sqm = (a+b+c+d)/7.8

521.53

Add towards Labour Cess @ 1%

1% 521.53 5.22

526.75

Say 526.80

(A) For First Floor

| | | | |
|---------------|-----|------------|---------------|
| Rate as above | | | 526.75 |
| Add extra | 20% | 526.75 | <u>105.35</u> |
| | | | 632.10 |
| | | Say | 632.10 |

(B) For Second Floor

| | | | |
|---------------|-----|------------|---------------|
| Rate as above | | | 632.10 |
| Add extra | 20% | 632.10 | <u>126.42</u> |
| | | | 758.52 |
| | | Say | 758.50 |

(C) For Third Floor

| | | | |
|---------------|-----|------------|---------------|
| Rate as above | | | 758.52 |
| Add extra | 20% | 758.52 | <u>151.70</u> |
| | | | 910.22 |
| | | Say | 910.20 |

8 R.C.C. work of M-25 grade with 20mm and down grade black hard granite (crusher broken) stone chips including hoisting and laying

Unit = cum (A/R 2006-Page No-50 item-4)

Taking output = 15 cum**a) Materials**

| | | | | |
|--------------------------|-----|------|---------|-----------------|
| 20mm size H.G.C.B chips | Cum | 8.10 | 1382.29 | 11196.55 |
| 10mm size H.G.C.B chips | Cum | 5.40 | 1418.67 | 7660.82 |
| Sand (screened & washed) | Cum | 6.75 | 76.88 | 518.94 |
| Cement | MT | 6.05 | 4599.40 | 27826.37 |
| | | | | 47202.68 |

b) Labour

| | | | | |
|-----------------|------|-------|--------|----------------|
| Mate | Each | 0.86 | 385.00 | 331.10 |
| Mason 2nd class | Each | 1.50 | 435.00 | 652.50 |
| Woman Mulia | Each | 20.00 | 345.00 | 6900.00 |
| | | | | 7883.60 |

c) Machinery

| | | | | |
|-------------------------------------|------|------|--------|----------------|
| 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 |
| | | | | 5577.30 |

d) Overhead charges @ 7.5% on (a+b)

| | | |
|------|----------|----------------|
| 7.5% | 60663.58 | 4549.77 |
|------|----------|----------------|

e) Contracor's Profit @ 7.5% on (a+b)

| | | |
|------|----------|----------------|
| 7.5% | 60663.58 | 4549.77 |
|------|----------|----------------|

f) Carriage & Royalty

| | | | | |
|--------------------------|-----|------|---------|-----------------|
| 20mm size H.G.C.B chips | Cum | 8.10 | 1525.41 | 12355.82 |
| 10mm size H.G.C.B chips | Cum | 5.40 | 1525.41 | 8237.21 |
| Sand (screened & washed) | Cum | 6.75 | 1395.16 | 9417.33 |
| Cement | MT | 6.05 | 60.46 | 365.76 |
| | | | | 30376.12 |

Rate per 15 Cum = a+b+c+d+e+f

100139.24

Rate per Cum = (a+b+c+d+e+f)/15

| | | |
|--|--|---------|
| | | 6675.95 |
|--|--|---------|

Add towards Labour Cess @ 1%

| | | |
|----|---------|-------|
| 1% | 6675.95 | 66.76 |
|----|---------|-------|

6742.71

Say 6742.70

(A) For First Floor R.C.C M-25

| | | | |
|------------------------------------|------|--------|--------------------|
| Rate as above | | | 6742.71 |
| 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 |
| | | | 6834.28 |
| | | | Say 6834.30 |

(B) For Second Floor R.C.C M-25

| | | | |
|------------------------------------|------|--------|--------------------|
| Rate as above | | | 6834.28 |
| Add extra Labour | 15% | 604.41 | 90.66 |
| Overhead Charges on extra labour | 7.5% | 90.66 | 6.80 |
| Contractor's Profit | 7.5% | 90.66 | 6.80 |
| Add towards extra Labour Cess @ 1% | 1% | 104.26 | 1.04 |
| | | | 6939.58 |
| | | | Say 6939.60 |

(C) For Third Floor R.C.C M-25

| | | | |
|---|------|------------|----------------|
| Rate as above | | | 6939.58 |
| Add extra Labour | 15% | 695.07 | 104.26 |
| Overhead Charges on extra labour | 7.5% | 104.26 | 7.82 |
| Contractor's Profit | 7.5% | 104.26 | 7.82 |
| Add towards extra Labour Cess @ 1% | 1% | 119.90 | 1.20 |
| | | | 7060.68 |
| | | Say | 7060.70 |
| (D) For Fourth Floor R.C.C M-25 | | | |
| Rate as above | | | 7060.68 |
| Add extra Labour | 15% | 799.33 | 119.90 |
| Overhead Charges on extra labour | 7.5% | 119.90 | 8.99 |
| Contractor's Profit | 7.5% | 119.90 | 8.99 |
| Add towards extra Labour Cess @ 1% | 1% | 137.88 | 1.38 |
| | | | 7199.94 |
| | | Say | 7199.90 |
| (E) For Fifth Floor R.C.C M-25 | | | |
| Rate as above | | | 7199.94 |
| Add extra Labour | 15% | 919.23 | 137.88 |
| Overhead Charges on extra labour | 7.5% | 137.88 | 10.34 |
| Contractor's Profit | 7.5% | 137.88 | 10.34 |
| Add towards extra Labour Cess @ 1% | 1% | 158.56 | 1.59 |
| | | | 7360.09 |
| | | Say | 7360.10 |
| (F) For Sixth Floor R.C.C M-25 | | | |
| Rate as above | | | 7360.09 |
| Add extra Labour | 15% | 1057.11 | 158.57 |
| Overhead Charges on extra labour | 7.5% | 158.57 | 11.89 |
| Contractor's Profit | 7.5% | 158.57 | 11.89 |
| Add towards extra Labour Cess @ 1% | 1% | 182.35 | 1.82 |
| | | | 7544.26 |
| | | Say | 7544.30 |
| (G) For Seventh Floor R.C.C M-25 | | | |
| Rate as above | | | 7544.26 |
| Add extra Labour | 15% | 1215.68 | 182.35 |
| Overhead Charges on extra labour | 7.5% | 182.35 | 13.68 |
| Contractor's Profit | 7.5% | 182.35 | 13.68 |
| Add towards extra Labour Cess @ 1% | 1% | 209.71 | 2.10 |
| | | | 7756.07 |
| | | Say | 7756.10 |
| 50 Single Under reamed Bored Compaction Pile foundation with R.C.C work M-20 | | | |
| single under ream pile | | | |
| 375 mm dia and 6.0metre long | | | |
| per 1 pile | | | |
| excavation of bore hole (assuming two pits can be constructed per day | | | |
| Boring Mistry (special) | nos | 2.00 | 495.00 |
| | | | 990.00 |

| | | | | |
|---------------------------------|-----|------|---------|---------|
| 150 Winch operator | nos | 0.50 | 495.00 | 247.50 |
| Hire & Running charge of Tripod | day | 0.50 | 600.00 | 0.00 |
| Bentonite power | bag | 2.50 | 3059.33 | 7648.31 |
| | | | | 8885.81 |

d) Over head charges

d) Overhead charges @ 7.5% on (a+b) 7.5% 8885.81 666.44

e) Contracor's Profit @ 7.5% on (a+b) 7.5% 8885.81 666.44

Total **10218.69**

For 375mm dia and 6.0mt long pile

Per 1 pile

Add Cost of R.C.C M20 quantity

Volume

$$\frac{3.14 \times (0.375 \times 0.375) \times 6.0}{4} + 4.13(0.375 \times 0.375 \times 0.375)$$

4

= 0.88 Cum

Add extra 20% concrete for bored compaction pile as per I.S 2911/1980

$$0.88 \times 1.2 = 1.06 \text{ Cum}$$

RCC M20 Rate as per basic rate

Cum 1.06 6675.95 7076.51

Extra Cement wth 20% extra for bored compaction

$$0.284 \times 1.2 = 0.341 \text{ qtl Rs}$$

Add cost of extra Cement wth 20% extra for bored compaction

Qntl 0.341 0.00 0.00

For 300mm dia and 6.0mt long pile

Per 1 pile

9196.82

Excavation of bore hole - Take 90% of rate in above item

90% 10218.69

Add Cost of R.C.C M20 quantity

=

Volume

$$\frac{3.14 \times (0.30 \times 0.30) \times 6.0}{4} + 4.13(0.30 \times 0.30 \times 0.30)$$

4

= 0.535 Cum

Add extra 20% concrete for bored compaction pile as per I.S 2911/1980

$$0.535 \times 1.2 = 0.642 \text{ Cum}$$

RCC M20 Rate as per basic rate

Cum 0.642 6675.95 4285.96

Extra Cement wth 20% extra for bored compaction

$$0.17288 \times 1.2 = 0.20746 \text{ qtl}$$

Add cost of extra Cement wth 20% extra for bored compaction

Qntl 0.20746 0.00 0.00

Tota Cost per 1 pile

13482.78

Add Labour Cess 1%

1.0% 13482.78 134.83

Cost of 1 no pile

13617.61

Rate per 1.00m Up to 6.00m(300mm dia)

2269.6

For each additional depth 0.50mt beyond initial depth 6.0mt Add extra to the Rate

| | | | | |
|---|--------|--------|----------|---------|
| Excavation of bore hole take 6% of Labour | | 6% | 10218.69 | 613.12 |
| Add extra 20% concrete for bored compaction pile as per I.S 2911/1980 | 0.035 | x | 1.2 | |
| | = | 0.042 | Cum | @ |
| RCC M20 Rate as per basic rate | Cum | 0.042 | 6675.95 | 280.39 |
| Extra Cement wth 20% extra for bored compaction | 0.0113 | x | 1.2 | |
| | = | 0.0136 | qtl | |
| Add cost of extra Cement wth 20% extra for bored compaction | Qntl | 0.0136 | 0.00 | 0.00 |
| | | | | 893.51 |
| Add Labour Cess 1% | | 1.0% | 893.51 | 8.94 |
| | | | | 902.45 |
| Rate per 1.00m Beyond 6.00m(300mm dia) | | 2 | 902.45 | 1804.90 |

- 9 Double Under reamed Bored Compaction Pile** foundation with R.C.C. work of M-25 grade with 20mm and down grade black hard granite (crusher broken) stone chips including hoisting and laying including cost of boring but excluding cost of M.S/Tor steel and labour charges for cutting bending & binding of steel .

single under ream pile

(a) 375 mm dia and 7.5metre long

per 1 pile

excavation of bore hole (assuming two pits can be constructed per day

| | | | | |
|---------------------------------|-----|------|---------|---------|
| Boring Mistry (special) | nos | 2.00 | 495.00 | 990.00 |
| 150 Winch operetor | nos | 0.50 | 495.00 | 247.50 |
| Hire & Running charge of Tripod | day | 0.50 | 450.00 | 225.00 |
| Bentonite powder | bag | 2.50 | 3059.33 | 7648.31 |
| | | | | 9110.81 |

Hire charges of Machineris

| | | | | |
|---|------|------|--------|--------|
| a)7.5 KW motor attached with winch set,driving shaft and monkey | Hour | 1.00 | 115.00 | 115.00 |
| b)Diesel Generator 15KVA 3 phase | Hour | 1.00 | 269.00 | 269.00 |
| | | | | 384.00 |

| | | | | |
|---|--|------|--------------|-----------------|
| Overhead charges @ 7.5% on (a+b) | | 7.5% | 9494.81 | 712.11 |
| Contracor's Profit @ 7.5% on (a+b) | | 7.5% | 9494.81 | 712.11 |
| | | | Total | 10919.03 |

For 375mm dia and 7.5mt long pile

Per 1 pile

Add Cost of R.C.C M25 quantity

Volume

| | | | | |
|---|-------|-------|---------|---------|
| As per A/R -2006 item-1 (a) P-209 | = | 1.049 | Cum | |
| Add extra 20% concrete for bored compaction pile as per I.S 2911/1980 | 1.049 | x | 1.2 | |
| | = | 1.26 | Cum | |
| RCC M25 (Rate considered as per A/R-2006) | Cum | 1.26 | 6742.70 | 8495.80 |

| | | | | |
|--|-------|---|-------|------|
| Extra Cement wth 20% extra for bored compaction | 0.284 | x | 1.2 | |
| | = | | 0.341 | qtl |
| Add cost of extra Cement wth 20% extra for bored compaction(Rate considered as per A/R-2006) | Qntl | | 0.341 | 0.00 |

Total cost per pile 19414.83
Say Rs 19414.80

Rate per 1.00m Up to 7.50m(375mm dia) 3235.8
Say 3235.80

(i) **For each additional depth of 0.50mt beyond initial depth of 7.5mt add extra to the Rate**
Per 1 pile

| | | | | | |
|---|--------|---|-------|----------|--------|
| Excavation of bore hole take 6% of Labour | | | 6% | 10919.03 | 655.14 |
| Add extra 20% concrete for bored compaction pile as per I.S 2911/1980 | 0.055 | x | 1.2 | | |
| | = | | 0.066 | Cum | @ |
| RCC M25 Rate as per basic rate | Cum | | 0.066 | 6742.70 | 445.02 |
| Extra Cement wth 20% extra for bored compaction | 0.0178 | x | 1.2 | | |
| | = | | 0.021 | qtl | |
| Add cost of extra Cement wth 20% extra for bored compaction | Qntl | | 0.021 | 0.00 | 0.00 |

1100.16
1100.16
Say Rs 1100.20
Rate per 1.00m Beyond 7.50m(375mm dia) 2 1100.20 2200.40
Say 2200.40

(ii) **For each less depth of 0.50mt from the initial depth of 6.0mt deduct from the Rate**

Rate same as item No-1(a)(i) Rs 1100.20

For 300mm dia and 6.0mt long pile

| | | | | | |
|---|---------|---|------------------------------------|----------|---------|
| Per 1 pile | | | | | |
| Excavation of bore hole - Take 90% of rate in above item | | | 90% | 10919.03 | 9827.13 |
| Add Cost of R.C.C M20 quantity | = | | | | |
| Volume | | | | | |
| $\frac{3.14 \times (0.30 \times 0.30) \times 6.0}{4}$ | + | | 4.13(0.30 \times 0.30 \times 0.30) | | |
| | = | | 0.535 | Cum | |
| Add extra 20% concrete for bored compaction pile as per I.S 2911/1980 | 0.535 | x | 1.2 | | |
| | = | | 0.642 | Cum | |
| RCC M20 Rate as per basic rate | Cum | | 0.642 | 6742.70 | 4328.81 |
| Extra Cement wth 20% extra for bored compaction | 0.17288 | x | 1.2 | | |
| | = | | 0.20746 | qtl | |
| Add cost of extra Cement wth 20% extra for bored compaction | Qntl | | 0.20746 | 0.00 | 0.00 |

| | | | | |
|---|---------------|------------------------------------|----------------|-----------------|
| Tota Cost per 1 pile | | | | 14155.94 |
| Add Labour Cess 1% | | 1.0% | 14155.94 | 141.56 |
| Cost of 1 no pile | | | | 14297.50 |
| Rate per 1.00m Up to 6.00m(300mm dia) | | | | 2382.92 |
| | | | Say | 2382.90 |
| For each additional depth / less depth 0.50mt beyond initial depth 6.0mt Add extra to the Rate | | | | |
| Excavation of bore hole take 6% of Labour | | 6% | 10919.03 | 655.14 |
| Add extra 20% concrete for bored compaction pile as per I.S 2911/1980 | 0.035 | x | 1.2 | |
| | = | 0.042 | Cum | @ |
| RCC M20 Rate as per basic rate | Cum | 0.042 | 6742.70 | 283.19 |
| Extra Cement wth 20% extra for bored compaction | 0.0113 | x | 1.2 | |
| | = | 0.0136 | qtl | |
| Add cost of extra Cement wth 20% extra for bored compaction | Qntl | 0.0136 | 0.00 | 0.00 |
| | | | | 938.33 |
| Add Labour Cess 1% | | 1.0% | 938.33 | 9.38 |
| | | | | 947.71 |
| Rate per 1.00m Beyond 6.00m(300mm dia) | | 2 | 947.71 | 1895.42 |
| | | | Say | 1895.40 |
| Rate for 4m long 300mm dia pile | | | | |
| Rate for each Pile | ##### | - | 3790.84 | 10506.66 |
| Rate per meter Pile for 4m long 300 mm dia | | | | 2626.67 |
| Per 1 meter Pile | | | Say | 2626.70 |
| For 500mm dia and 6.0mt long pile | | | | |
| Per 1 pile | | | | |
| Excavation of bore hole as per rate in above item | | | | 10919.03 |
| Add 55% extra as per item 2 (d) P-213 | | | | 6005.47 |
| Add Cost of R.C.C M25 quantity | = | | | |
| Volume | | | | |
| $\frac{3.14 \times (0.5 \times 0.5) \times 6.0}{4}$ | + | 4.13(0.50 \times 0.50 \times 0.50) | | |
| | | | | |
| | 1.1775 | + | 0.51625 | |
| | | = | 1.69375 | Cum |
| Add extra 20% concrete for bored compaction pile as per I.S 2911/1980 | 1.69375 | x | 1.2 | |
| | = | 2.033 | Cum | |
| RCC M20 Rate as per basic rate | Cum | 2.033 | 6742.70 | 13707.91 |
| 10 %Extra Cement | 0.82 | Qntl | | |
| Add cost of 10% extra Cement | Qntl | 0.82 | 0.00 | 0.00 |
| Tota Cost per 1 pile | | | | 30632.41 |
| Add Labour Cess 1% | | 1.0% | 30632.41 | 306.32 |
| Cost of 1 no pile | | | | 30938.73 |
| Rate per 1.00m Up to 6.00m(500mm dia) | | | | 5156.45 |
| | | | Say | 5156.50 |

For each additional depth 0.50mt beyond initial depth 6.0mt Add extra to the Rate

| | | | | |
|---|-------|-------|------------|----------------|
| Excavation of bore hole take 5% of Labour | | 5% | 16924.50 | 846.22 |
| RCC M25 Rate | 0.10 | | | |
| Add extra 20% concrete for bored compaction pile as per I.S 2911/1980 | 0.10 | x | 1.2 | |
| | = | 0.118 | Cum | @ |
| RCC M25 Rate as per basic rate | Cum | 0.118 | 6742.70 | 795.64 |
| 10 %Extra Cement | 0.048 | | | |
| Add cost of 10% extra Cement | Qntl | 0.048 | 0.00 | 0.00 |
| | | | | 1641.86 |
| Add Labour Cess 1% | | 1.0% | 1641.86 | 16.42 |
| | | | | 1658.28 |
| Rate per 1.00m Beyond 6.00m(500mm dia) | | 2 | 1658.28 | 3316.56 |
| | | | Say | 3316.60 |

- 9 R.C.C. work of M-25 grade with 20mm and down grade black hard granite (crusher broken) stone chips including hoisting and laying in **Column Footing**

Unit = cum

| | | | | |
|------------------------------------|-----|------|------------|----------------|
| Rate as above | | | | 6742.71 |
| Add towards Centering & Shuttering | Sqm | 1.50 | 233.92 | 350.88 |
| | | | | 7093.59 |
| | | | Say | 7093.60 |

- 10 R.C.C. work of M-25 grade with 20mm and down grade black hard granite (crusher broken) stone chips including hoisting and laying in **Column in Ground Floor**

Unit = cum

| | | | | |
|------------------------------------|-----|------|------------|-----------------|
| Rate as above | | | | 6742.71 |
| Add towards Centering & Shuttering | Sqm | 8.00 | 1010.45 | 8083.60 |
| | | | | 14826.31 |
| | | | Say | 14826.30 |

(A) For First Floor Column

| | | | | |
|------------------------------------|-----|------|------------|-----------------|
| Rate as above | | | | 6834.28 |
| Add towards Centering & Shuttering | Sqm | 8.00 | 1212.54 | 9700.32 |
| | | | | 16534.60 |
| | | | Say | 16534.60 |

(B) For Second Floor Column

| | | | | |
|------------------------------------|-----|------|------------|-----------------|
| Rate as above | | | | 6939.58 |
| Add towards Centering & Shuttering | Sqm | 8.00 | 1455.05 | 11640.40 |
| | | | | 18579.98 |
| | | | Say | 18580.00 |

(C) For Third Floor Column

| | | | | |
|---------------|--|--|--|---------|
| Rate as above | | | | 7060.68 |
|---------------|--|--|--|---------|

| | | | | |
|---|-----|------|------------|-----------------|
| Add towards Centering & Shuttering | Sqm | 8.00 | 1746.06 | 13968.48 |
| | | | | <u>21029.16</u> |
| | | | Say | 21029.20 |
| (D) For Fourth Floor Column | | | | |
| Rate as above | | | | 7199.94 |
| Add towards Centering & Shuttering | Sqm | 8.00 | 2095.27 | 16762.16 |
| | | | | <u>23962.10</u> |
| | | | Say | 23962.10 |
| (E) For Fifth Floor Column | | | | |
| Rate as above | | | | 7360.09 |
| Add towards Centering & Shuttering | Sqm | 8.00 | 2514.32 | 20114.56 |
| | | | | <u>27474.65</u> |
| | | | Say | 27474.70 |
| (F) For Sixth Floor Column | | | | |
| Rate as above | | | | 7544.26 |
| Add towards Centering & Shuttering | Sqm | 8.00 | 3017.18 | 24137.44 |
| | | | | <u>31681.70</u> |
| | | | Say | 31681.70 |
| (G) For Seventh Floor Column | | | | |
| Rate as above | | | | 7756.07 |
| Add towards Centering & Shuttering | Sqm | 8.00 | 3620.62 | 28964.96 |
| | | | | <u>36721.03</u> |
| | | | Say | 36721.00 |
| 11 R.C.C. work of M-25 grade with 20mm and down grade black hard granite (crusher broken) stone chips including hoisting and laying in <u>Beam in Ground Floor</u> | | | | |
| Unit = cum | | | | |
| Rate as above | | | | 6742.71 |
| Add towards Centering & Shuttering | Sqm | 8.00 | 1010.45 | 8083.60 |
| | | | | <u>14826.31</u> |
| | | | Say | 14826.30 |
| (A) For First Floor Beam | | | | |
| Rate as above | | | | 6834.28 |
| Add towards Centering & Shuttering | Sqm | 8.00 | 1212.54 | 9700.32 |
| | | | | <u>16534.60</u> |
| | | | Say | 16534.60 |
| (B) For Second Floor Beam | | | | |
| Rate as above | | | | 6939.58 |
| Add towards Centering & Shuttering | Sqm | 8.00 | 1455.05 | 11640.40 |
| | | | | <u>18579.98</u> |
| | | | Say | 18580.00 |
| (C) For Third Floor Beam | | | | |
| Rate as above | | | | 7060.68 |
| Add towards Centering & Shuttering | Sqm | 8.00 | 1746.06 | 13968.48 |
| | | | | <u>21029.16</u> |

| | | | | | |
|--|--|--|--|------------|-----------------|
| | | | | Say | 21029.20 |
| (C) For Fourth Floor Beam | | | | | |
| | | | | | 7199.94 |
| | | | | | 16762.16 |
| | | | | | 23962.10 |
| | | | | Say | 23962.10 |
| (C) For Fifth Floor Beam | | | | | |
| | | | | | 7360.09 |
| | | | | | 20114.56 |
| | | | | | 27474.65 |
| | | | | Say | 27474.70 |
| (C) For Sixth Floor Beam | | | | | |
| | | | | | 7544.26 |
| | | | | | 24137.44 |
| | | | | | 31681.70 |
| | | | | Say | 31681.70 |
| (C) For Seventh Floor Beam | | | | | |
| | | | | | 7756.07 |
| | | | | | 28964.96 |
| | | | | | 36721.03 |
| | | | | Say | 36721.00 |
| 12 R.C.C. work of M-25 grade with 20mm and down grade black hard granite (crusher broken) stone chips including hoisting and laying in Plinth Beam | | | | | |
| Unit = cum | | | | | |
| | | | | | 6742.71 |
| | | | | | 1169.60 |
| | | | | | 7912.31 |
| | | | | Say | 7912.30 |
| 13 R.C.C. work of M-25 grade with 20mm and down grade black hard granite (crusher broken) stone chips including hoisting and laying in Stair Case in Ground Floor | | | | | |
| Unit = cum | | | | | |
| | | | | | 6742.71 |
| | | | | | 8044.47 |
| | | | | | 14787.18 |
| | | | | Say | 14787.20 |
| (A) For First Floor Stair Case | | | | | |
| | | | | | 6834.28 |
| | | | | | 9653.40 |
| | | | | | 16487.68 |
| | | | | Say | 16487.70 |
| (B) For Second Floor Stair Case | | | | | |
| | | | | | 6939.58 |
| | | | | | 11584.08 |

| | | | | | |
|---|-----|-------|---------|------------|-----------------|
| | | | | | 18523.66 |
| | | | | Say | 18523.70 |
| (C) For Third Floor Stair Case | | | | | |
| Rate as above | | | | | 7060.68 |
| Add towards Centering & Shuttering | Sqm | 9.00 | 1544.54 | | 13900.86 |
| | | | | | <u>20961.54</u> |
| | | | | Say | 20961.50 |
| 14 R.C.C. work of M-25 grade with 20mm and down grade black hard granite (crusher broken) stone chips including hoisting and laying in Lintel in Ground Floor | | | | | |
| Unit = cum | | | | | |
| Rate as above | | | | | 6742.71 |
| Add towards Centering & Shuttering | Sqm | 14.00 | 526.75 | | 7374.50 |
| | | | | | <u>14117.21</u> |
| | | | | Say | 14117.20 |
| (A) For First Floor Lintel | | | | | |
| Rate as above | | | | | 6834.28 |
| Add towards Centering & Shuttering | Sqm | 14.00 | 632.10 | | 8849.40 |
| | | | | | <u>15683.68</u> |
| | | | | Say | 15683.70 |
| (B) For Second Floor Lintel | | | | | |
| Rate as above | | | | | 6939.58 |
| Add towards Centering & Shuttering | Sqm | 14.00 | 758.52 | | 10619.28 |
| | | | | | <u>17558.86</u> |
| | | | | Say | 17558.90 |
| (C) For Third Floor Lintel | | | | | |
| Rate as above | | | | | 7060.68 |
| Add towards Centering & Shuttering | Sqm | 14.00 | 910.22 | | 12743.08 |
| | | | | | <u>19803.76</u> |
| | | | | Say | 19803.80 |
| 15 R.C.C. work of M-25 grade with 20mm and down grade black hard granite (crusher broken) stone chips including hoisting and laying in Roof Slab in Ground Floor | | | | | |
| Unit = cum | | | | | |
| Rate as above | | | | | 6742.71 |
| Add towards Centering & Shuttering | Sqm | 10.00 | 671.94 | | 6719.40 |
| | | | | | <u>13462.11</u> |
| | | | | Say | 13462.10 |
| (A) For First Floor Roof Slab | | | | | |
| Rate as above | | | | | 6834.28 |
| Add towards Centering & Shuttering | Sqm | 10.00 | 806.33 | | 8063.30 |
| | | | | | <u>14897.58</u> |
| | | | | Say | 14897.60 |
| (B) For Second Floor Roof Slab | | | | | |

| | | | | |
|--|-----|-------|------------|-----------------|
| Rate as above | | | | 6939.58 |
| Add towards Centering & Shuttering | Sqm | 10.00 | 967.60 | 9676.00 |
| | | | | <u>16615.58</u> |
| | | | Say | 16615.60 |
| (C) For Third Floor Roof Slab | | | | |
| Rate as above | | | | 7060.68 |
| Add towards Centering & Shuttering | Sqm | 10.00 | 1161.12 | 11611.20 |
| | | | | <u>18671.88</u> |
| | | | Say | 18671.90 |
| (D) For Fourth Floor Roof Slab | | | | |
| Rate as above | | | | 7199.94 |
| Add towards Centering & Shuttering | Sqm | 10.00 | 1393.34 | 13933.40 |
| | | | | <u>21133.34</u> |
| | | | Say | 21133.30 |
| (E) For Fifth Floor Roof Slab | | | | |
| Rate as above | | | | 7360.09 |
| Add towards Centering & Shuttering | Sqm | 10.00 | 1672.01 | 16720.10 |
| | | | | <u>24080.19</u> |
| | | | Say | 24080.20 |
| (F) For Sixth Floor Roof Slab | | | | |
| Rate as above | | | | 7544.26 |
| Add towards Centering & Shuttering | Sqm | 10.00 | 2006.41 | 20064.10 |
| | | | | <u>27608.36</u> |
| | | | Say | 27608.40 |
| (G) For Seventh Floor Roof Slab | | | | |
| Rate as above | | | | 7756.07 |
| Add towards Centering & Shuttering | Sqm | 10.00 | 2407.69 | 24076.90 |
| | | | | <u>31832.97</u> |
| | | | Say | 31833.00 |
| 16 R.C.C. work of M-25 grade with 20mm and down grade black hard granite (crusher broken) stone chips including hoisting and laying in Chajja (65 mm av. Thick) in Ground Floor | | | | |
| Unit = Sqm | | | | |
| Rate as above | Cum | 0.065 | 6742.71 | 438.28 |
| Add towards Centering & Shuttering | Sqm | 1.10 | 671.94 | 739.13 |
| | | | | <u>1177.41</u> |
| | | | Say | 1177.40 |
| (A) For First Floor Chajja | | | | |
| Rate as above | Cum | 0.065 | 6834.28 | 444.23 |
| Add towards Centering & Shuttering | Sqm | 1.10 | 806.33 | 886.96 |
| | | | | <u>1331.19</u> |
| | | | Say | 1331.20 |
| (B) For Second Floor Chajja | | | | |
| Rate as above | Cum | 0.065 | 6939.58 | 451.07 |
| Add towards Centering & Shuttering | Sqm | 1.10 | 967.60 | 1064.36 |
| | | | | <u>1064.36</u> |

| | | | | | |
|---|-----|--------|---------|------------|----------------|
| | | | | | 1515.43 |
| | | | | Say | 1515.40 |
| (C) For Third Floor Chajja | | | | | |
| Rate as above | Cum | 0.065 | 7060.68 | | 458.94 |
| Add towards Centering & Shuttering | Sqm | 1.10 | 1161.12 | | 1277.23 |
| | | | | | <u>1736.17</u> |
| | | | | Say | 1736.20 |
| (D) For Fourth Floor Chajja | | | | | |
| Rate as above | Cum | 0.065 | 7199.94 | | 468.00 |
| Add towards Centering & Shuttering | Sqm | 1.10 | 1393.34 | | 1532.67 |
| | | | | | <u>2000.67</u> |
| | | | | Say | 2000.70 |
| (E) For Fifth Floor Chajja | | | | | |
| Rate as above | Cum | 0.065 | 7360.09 | | 478.41 |
| Add towards Centering & Shuttering | Sqm | 1.10 | 1672.01 | | 1839.21 |
| | | | | | <u>2317.62</u> |
| | | | | Say | 2317.60 |
| (F) For Sixth Floor Chajja | | | | | |
| Rate as above | Cum | 0.065 | 7544.26 | | 490.38 |
| Add towards Centering & Shuttering | Sqm | 1.10 | 2006.41 | | 2207.05 |
| | | | | | <u>2697.43</u> |
| | | | | Say | 2697.40 |
| (G) For Seventh Floor Chajja | | | | | |
| Rate as above | Cum | 0.065 | 7756.07 | | 504.14 |
| Add towards Centering & Shuttering | Sqm | 1.10 | 2407.69 | | 2648.46 |
| | | | | | <u>3152.60</u> |
| | | | | Say | 3152.60 |
| 17 R.C.C. work of M-25 grade with 20mm and down grade black hard granite (crusher broken) stone chips including hoisting and laying in Shelves (37.5 mm Thick) in Ground Floor | | | | | |
| Unit = Sqm | | | | | |
| Rate as above | Cum | 0.0375 | 6742.71 | | 252.85 |
| Add towards Centering & Shuttering | Sqm | 1.10 | 671.94 | | 739.13 |
| | | | | | <u>991.98</u> |
| | | | | Say | 992.00 |
| (A) For First Floor Shelves | | | | | |
| Rate as above | Cum | 0.0375 | 6834.28 | | 256.29 |
| Add towards Centering & Shuttering | Sqm | 1.10 | 806.33 | | 886.96 |
| | | | | | <u>1143.25</u> |
| | | | | Say | 1143.30 |
| (B) For Second Floor Shelves | | | | | |
| Rate as above | Cum | 0.0375 | 6939.58 | | 260.23 |
| Add towards Centering & Shuttering | Sqm | 1.10 | 967.60 | | 1064.36 |
| | | | | | <u>1324.59</u> |
| | | | | Say | 1324.60 |

(C) For Third Floor Shelves

| | | | | |
|------------------------------------|-----|--------|------------|----------------|
| Rate as above | Cum | 0.0375 | 7060.68 | 264.78 |
| Add towards Centering & Shuttering | Sqm | 1.10 | 1161.12 | 1277.23 |
| | | | | <u>1542.01</u> |
| | | | Say | 1542.00 |

(D) For Fourth Floor Shelves

| | | | | |
|------------------------------------|-----|--------|------------|----------------|
| Rate as above | Cum | 0.0375 | 7199.94 | 270.00 |
| Add towards Centering & Shuttering | Sqm | 1.10 | 1393.34 | 1532.67 |
| | | | | <u>1802.67</u> |
| | | | Say | 1802.70 |

(E) For Fifth Floor Shelves

| | | | | |
|------------------------------------|-----|--------|------------|----------------|
| Rate as above | Cum | 0.0375 | 7360.09 | 276.00 |
| Add towards Centering & Shuttering | Sqm | 1.10 | 1672.01 | 1839.21 |
| | | | | <u>2115.21</u> |
| | | | Say | 2115.20 |

(F) For Sixth Floor Shelves

| | | | | |
|------------------------------------|-----|--------|------------|----------------|
| Rate as above | Cum | 0.0375 | 7544.26 | 282.91 |
| Add towards Centering & Shuttering | Sqm | 1.10 | 2006.41 | 2207.05 |
| | | | | <u>2489.96</u> |
| | | | Say | 2490.00 |

(G) For Seventh Floor Shelves

| | | | | |
|------------------------------------|-----|--------|------------|----------------|
| Rate as above | Cum | 0.0375 | 7756.07 | 290.85 |
| Add towards Centering & Shuttering | Sqm | 1.10 | 2407.69 | 2648.46 |
| | | | | <u>2939.31</u> |
| | | | Say | 2939.30 |

- 19 R.C.C. work of M-25 grade with 20mm and down grade black hard granite (crusher broken) stone chips including hoisting and laying in **Drain wall.**

Unit = Sqm

| | | | | |
|------------------------------------|-----|------|------------|-----------------|
| Rate as above | Cum | 1.00 | 6742.71 | 6742.71 |
| Add towards Centering & Shuttering | Sqm | 5.00 | 907.79 | 4538.95 |
| | | | | <u>11281.66</u> |
| | | | Say | 11281.70 |

(A) For First Floor wall

| | | | | |
|------------------------------------|-----|------|------------|-----------------|
| Rate as above | Cum | 1.00 | 6834.28 | 6834.28 |
| Add towards Centering & Shuttering | Sqm | 5.00 | 1089.35 | 5446.75 |
| | | | | <u>12281.03</u> |
| | | | Say | 12281.00 |

(B) For Second Floor wall

| | | | | |
|------------------------------------|-----|------|------------|-----------------|
| Rate as above | Cum | 1.00 | 6939.58 | 6939.58 |
| Add towards Centering & Shuttering | Sqm | 5.00 | 1307.22 | 6536.10 |
| | | | | <u>13475.68</u> |
| | | | Say | 13475.70 |

(C) For Third Floor wall

| | | | | |
|------------------------------------|-----|------|---------|----------------|
| Rate as above | Cum | 1.00 | 7060.68 | 7060.68 |
| Add towards Centering & Shuttering | Sqm | 5.00 | 1568.66 | 7843.30 |
| | | | | <u>7843.30</u> |

| | | | | |
|--|-----|------|------------|-----------------|
| | | | | 14903.98 |
| | | | Say | 14904.00 |
| (D) For Fourth Floor wall | | | | |
| Rate as above | Cum | 1.00 | 7199.94 | 7199.94 |
| Add towards Centering & Shuttering | Sqm | 5.00 | 1882.39 | 9411.95 |
| | | | | <u>16611.89</u> |
| | | | Say | 16611.90 |
| (E) For Fifth Floor wall | | | | |
| Rate as above | Cum | 1.00 | 7360.09 | 7360.09 |
| Add towards Centering & Shuttering | Sqm | 5.00 | 2258.87 | 11294.35 |
| | | | | <u>18654.44</u> |
| | | | Say | 18654.40 |
| (F) For Sixth Floor wall | | | | |
| Rate as above | Cum | 1.00 | 7544.26 | 7544.26 |
| Add towards Centering & Shuttering | Sqm | 5.00 | 2710.64 | 13553.20 |
| | | | | <u>21097.46</u> |
| | | | Say | 21097.50 |
| (G) For Seventh Floor wall | | | | |
| Rate as above | Cum | 1.00 | 7756.07 | 7756.07 |
| Add towards Centering & Shuttering | Sqm | 5.00 | 3252.77 | 16263.85 |
| | | | | <u>24019.92</u> |
| | | | Say | 24019.90 |
| 9 R.C.C. work of M-25 grade with 20mm and down grade black hard granite (crusher broken) stone chips including hoisting and laying in Fins(80 mm thick) in Ground Floor | | | | |
| Unit = Sqm | | | | |
| Rate as above | Cum | 0.08 | 6742.71 | 539.42 |
| Add towards Centering & Shuttering | Sqm | 2.00 | 907.79 | 1815.58 |
| | | | | <u>2355.00</u> |
| | | | Say | 2355.00 |
| (A) For First Floor Fins | | | | |
| Rate as above | Cum | 0.08 | 6834.28 | 546.74 |
| Add towards Centering & Shuttering | Sqm | 2.00 | 1089.35 | 2178.70 |
| | | | | <u>2725.44</u> |
| | | | Say | 2725.40 |
| (B) For Second Floor Fins | | | | |
| Rate as above | Cum | 0.08 | 6939.58 | 555.17 |
| Add towards Centering & Shuttering | Sqm | 2.00 | 1307.22 | 2614.44 |
| | | | | <u>3169.61</u> |
| | | | Say | 3169.60 |
| (C) For Third Floor Fins | | | | |
| Rate as above | Cum | 0.08 | 7060.68 | 564.85 |
| Add towards Centering & Shuttering | Sqm | 2.00 | 1568.66 | 3137.32 |
| | | | | <u>3702.17</u> |

| | | | | | |
|---|------|------|----------|------------|----------------|
| | | | | Say | 3702.20 |
| (D) For Fourth Floor Fins | | | | | |
| Rate as above | Cum | 0.08 | 7199.94 | | 576.00 |
| Add towards Centering & Shuttering | Sqm | 2.00 | 1882.39 | | 3764.78 |
| | | | | | <hr/> 4340.78 |
| | | | | Say | 4340.80 |
| (E) For Fifth Floor Fins | | | | | |
| Rate as above | Cum | 0.08 | 7360.09 | | 588.81 |
| Add towards Centering & Shuttering | Sqm | 2.00 | 2258.87 | | 4517.74 |
| | | | | | <hr/> 5106.55 |
| | | | | Say | 5106.60 |
| (F) For Sixth Floor Fins | | | | | |
| Rate as above | Cum | 0.08 | 7544.26 | | 603.54 |
| Add towards Centering & Shuttering | Sqm | 2.00 | 2710.64 | | 5421.28 |
| | | | | | <hr/> 6024.82 |
| | | | | Say | 6024.80 |
| (G) For Seventh Floor Fins | | | | | |
| Rate as above | Cum | 0.08 | 7756.07 | | 620.49 |
| Add towards Centering & Shuttering | Sqm | 2.00 | 3252.77 | | 6505.54 |
| | | | | | <hr/> 7126.03 |
| | | | | Say | 7126.00 |
| 18 Supplying, fitting and placing uncoated HYSD bar reinforcement complete as per drawing and technical specifications in Ground Floor | | | | | |
| Unit = Qntl. (A/R 2006-Page No-52 item-9) | | | | | |
| Taking output = 1MT | | | | | |
| a) Materials | | | | | |
| HYSD bars including 5 percent overlaps and wastage | MT | 1.05 | 67971.65 | | 71370.23 |
| Binding wire | Kg. | 8.00 | 90.10 | | 720.80 |
| | | | | | <hr/> 72091.03 |
| b) Labour | | | | | |
| Mate | Each | 0.44 | 385.00 | | 169.40 |
| Blacksmith Special | Each | 3.00 | 495.00 | | 1485.00 |
| Man Mulia | Each | 8.00 | 345.00 | | 2760.00 |
| | | | | | <hr/> 4414.40 |
| c) Overhead charges @ 7.5% on (a+b) | | | | | |
| | | 7.5% | 76505.43 | | 5737.91 |
| d) Contracor's Profit @ 7.5% on (a+b) | | | | | |
| | | 7.5% | 76505.43 | | 5737.91 |
| e) Carriage & Royalty | | | | | |
| HYSD bars including 5 percent overlaps and wastage | MT | 1.05 | 604.57 | | 634.80 |
| | | | | | <hr/> 634.80 |
| Rate per 1 MT = a+b+c+d+e | | | | | 88616.05 |
| Rate per 1 Qnt = (a+b+c+d+e)/10 | | | | | 8861.61 |

| | | | |
|---|------|------------|----------------|
| Add towards Labour Cess @ 1% | 1% | 8861.61 | 88.62 |
| | | | 8950.23 |
| | | Say | 8950.20 |
| (A) For First Floor reinforcement | | | |
| Rate as above | | | 8950.23 |
| 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% | 25.39 | 0.25 |
| | | | 8975.87 |
| | | Say | 8975.90 |
| (B) For Second Floor reinforcement | | | |
| Rate as above | | | 8975.87 |
| Add extra Labour | 5% | 463.51 | 23.18 |
| Overhead Charges on extra labour | 7.5% | 23.18 | 1.74 |
| Contractor's Profit | 7.5% | 23.18 | 1.74 |
| Add towards extra Labour Cess @ 1% | 1% | 26.66 | 0.27 |
| | | | 9002.80 |
| | | Say | 9002.80 |
| (C) For Third Floor reinforcement | | | |
| Rate as above | | | 9002.80 |
| Add extra Labour | 5% | 486.69 | 24.33 |
| Overhead Charges on extra labour | 7.5% | 24.33 | 1.82 |
| Contractor's Profit | 7.5% | 24.33 | 1.82 |
| Add towards extra Labour Cess @ 1% | 1% | 27.97 | 0.28 |
| | | | 9031.05 |
| | | Say | 9031.10 |
| (D) For Fourth Floor reinforcement | | | |
| Rate as above | | | 9031.05 |
| Add extra Labour | 5% | 511.02 | 25.55 |
| Overhead Charges on extra labour | 7.5% | 25.55 | 1.92 |
| Contractor's Profit | 7.5% | 25.55 | 1.92 |
| Add towards extra Labour Cess @ 1% | 1% | 29.39 | 0.29 |
| | | | 9060.73 |
| | | Say | 9060.70 |
| (E) For Fifth Floor reinforcement | | | |
| Rate as above | | | 9060.73 |
| Add extra Labour | 5% | 536.57 | 26.83 |
| Overhead Charges on extra labour | 7.5% | 26.83 | 2.01 |
| Contractor's Profit | 7.5% | 26.83 | 2.01 |
| Add towards extra Labour Cess @ 1% | 1% | 30.85 | 0.31 |
| | | | 9091.89 |
| | | Say | 9091.90 |
| (F) For sixth Floor reinforcement | | | |
| Rate as above | | | 9091.89 |
| Add extra Labour | 5% | 563.40 | 28.17 |

| | | | |
|------------------------------------|------|------------|----------------|
| Overhead Charges on extra labour | 7.5% | 28.17 | 2.11 |
| Contractor's Profit | 7.5% | 28.17 | 2.11 |
| Add towards extra Labour Cess @ 1% | 1% | 32.39 | 0.32 |
| | | | 9124.60 |
| | | Say | 9124.60 |

(G) For Seventh Floor reinforcement

| | | | |
|------------------------------------|------|------------|----------------|
| Rate as above | | | 9124.60 |
| Add extra Labour | 5% | 591.57 | 29.58 |
| Overhead Charges on extra labour | 7.5% | 29.58 | 2.22 |
| Contractor's Profit | 7.5% | 29.58 | 2.22 |
| Add towards extra Labour Cess @ 1% | 1% | 34.02 | 0.34 |
| | | | 9158.96 |
| | | Say | 9159.00 |

19 12mm thick Cement Plaster (1:6) over Brick Masonry finished smooth in Ground Floor

Unit = Sqm (A/R 2006-Page No-103 item-4)

Taking output = 1Sqm

a) Materials

| | | | | |
|--------|-------|--------|--------|-------|
| Sand | Cum | 0.015 | 76.88 | 1.15 |
| Cement | Qntl. | 0.0358 | 459.94 | 16.47 |
| | | | | 17.62 |

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 |
| | | | | 102.30 |

c) Overhead charges @ 7.5% on (a+b)

7.5% 119.92 **8.99**

d) Contracor's Profit @ 7.5% on (a+b)

7.5% 119.92 **8.99**

e) Carriage & Royalty

| | | | | |
|--------|-------|--------|---------|-------|
| Sand | Cum | 0.02 | 1395.16 | 20.93 |
| Cement | Qntl. | 0.0358 | 60.46 | 2.16 |
| | | | | 23.09 |

Rate per 1 Sqm = a+b+c+d+e

160.99

Add towards Labour Cess @ 1%

1% 160.99 1.61

162.60

Say 162.60

(A) For First Floor (12 mm C.P Inside & OUT SIDE)

| | | | |
|------------------------------------|------|------------|---------------|
| Rate as above | | | 162.60 |
| Add extra Labour | 5% | 102.30 | 5.12 |
| Overhead Charges on extra labour | 7.5% | 5.12 | 0.38 |
| Contractor's Profit | 7.5% | 5.12 | 0.38 |
| Add towards extra Labour Cess @ 1% | 1% | 5.88 | 0.06 |
| | | | 168.54 |
| | | Say | 168.50 |

(B) For Second Floor (12 mm C.P Inside & OUT SIDE)

| | | | |
|------------------------------------|------|------------|---------------|
| Rate as above | | | 168.54 |
| Add extra Labour | 5% | 107.42 | 5.37 |
| Overhead Charges on extra labour | 7.5% | 5.37 | 0.40 |
| Contractor's Profit | 7.5% | 5.37 | 0.40 |
| Add towards extra Labour Cess @ 1% | 1% | 6.17 | 0.06 |
| | | | <u>174.77</u> |
| | | Say | 174.80 |

(C) For Third Floor (12 mm C.P Inside & OUT SIDE)

| | | | |
|------------------------------------|------|------------|---------------|
| Rate as above | | | 174.77 |
| Add extra Labour | 5% | 112.79 | 5.64 |
| Overhead Charges on extra labour | 7.5% | 5.64 | 0.42 |
| Contractor's Profit | 7.5% | 5.64 | 0.42 |
| Add towards extra Labour Cess @ 1% | 1% | 6.48 | 0.06 |
| | | | <u>181.31</u> |
| | | Say | 181.30 |

(D) For Fourth Floor (12 mm C.P Inside & OUT SIDE)

| | | | |
|------------------------------------|------|------------|---------------|
| Rate as above | | | 167.50 |
| Add extra Labour | 5% | 143.96 | 7.20 |
| Overhead Charges on extra labour | 7.5% | 7.20 | 0.54 |
| Contractor's Profit | 7.5% | 7.20 | 0.54 |
| Add towards extra Labour Cess @ 1% | 1% | 8.28 | 0.08 |
| | | | <u>175.86</u> |
| | | Say | 175.90 |

20 16mm thick Cement Plaster (1:6) over Brick Masonry finished smooth in Ground Floor

Unit = Sqm (A/R 2006-Page No-105 item-14)

Taking output = 1Sqm

a) Materials

| | | | | |
|--------|-------|-------|--------|--------------|
| Sand | Cum | 0.018 | 76.88 | 1.38 |
| Cement | Qntl. | 0.043 | 459.94 | 19.78 |
| | | | | <u>21.16</u> |

b) Labour

| | | | | |
|-----------------|------|------|--------|---------------|
| 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) Overhead charges @ 7.5% on (a+b)

7.5% 173.56 **13.02**

d) Contracor's Profit @ 7.5% on (a+b)

7.5% 173.56 **13.02**

e) Carriage & Royalty

| | | | | |
|--------|-------|-------|---------|--------------|
| Sand | Cum | 0.018 | 1395.16 | 25.11 |
| Cement | Qntl. | 0.043 | 60.46 | 2.60 |
| | | | | <u>27.71</u> |

Rate per 1 Sqm = a+b+c+d+e

227.31

Add towards Labour Cess @ 1%

1% 227.31 2.27

229.58

Say 229.60

(A) For First Floor (16 mm C.P INSIDE)

| | | | |
|------------------------------------|------|------------|---------------|
| Rate as above | | | 229.58 |
| 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% | 5.25 | 0.05 |
| | | | <hr/> 234.88 |
| | | Say | 234.90 |

(B) For Second Floor (16 mm C.P INSIDE)

| | | | |
|------------------------------------|------|------------|---------------|
| Rate as above | | | 234.88 |
| Add extra Labour | 3% | 156.97 | 4.71 |
| Overhead Charges on extra labour | 7.5% | 4.71 | 0.35 |
| Contractor's Profit | 7.5% | 4.71 | 0.35 |
| Add towards extra Labour Cess @ 1% | 1% | 5.41 | 0.05 |
| | | | <hr/> 240.34 |
| | | Say | 240.30 |

(C) For Third Floor (16 mm C.P INSIDE)

| | | | |
|------------------------------------|------|------------|---------------|
| Rate as above | | | 240.34 |
| Add extra Labour | 3% | 161.68 | 4.85 |
| Overhead Charges on extra labour | 7.5% | 4.85 | 0.36 |
| Contractor's Profit | 7.5% | 4.85 | 0.36 |
| Add towards extra Labour Cess @ 1% | 1% | 5.57 | 0.06 |
| | | | <hr/> 245.97 |
| | | Say | 246.00 |

(D) For Fourth Floor (16 mm C.P INSIDE)

| | | | |
|------------------------------------|------|------------|---------------|
| Rate as above | | | 229.30 |
| Add extra Labour | 3% | 166.53 | 5.00 |
| Overhead Charges on extra labour | 7.5% | 5.00 | 0.38 |
| Contractor's Profit | 7.5% | 5.00 | 0.38 |
| Add towards extra Labour Cess @ 1% | 1% | 5.76 | 0.06 |
| | | | <hr/> 235.12 |
| | | Say | 235.10 |

- 21** 6 mm thick cement plaster (1:4) to RCC surfaces finished smooth including closed deep chipping and slury treatment.
in Ground Floor

Unit = Sqm (A/R 2006-Page No-109 item-27)

Taking output = 1Sqm

a) Materials

| | | | | |
|--------|-------|--------|--------|--------------------|
| Sand | Cum | 0.0075 | 76.88 | 0.58 |
| Cement | Qntl. | 0.0372 | 459.94 | 17.11 |
| | | | | <hr/> 17.69 |

b) Labour

| | | | | |
|-----------------|------|------|--------|-------|
| Mason 2nd Class | Each | 0.14 | 435.00 | 60.90 |
| Man Mulia | Each | 0.12 | 345.00 | 41.40 |

| | | | | |
|--|-------|--------|------------|---------------|
| Woman Mulia | Each | 0.05 | 345.00 | 17.25 |
| | | | | 119.55 |
| c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 137.24 | 10.29 |
| d) Contracor's Profit @ 7.5% on (a+b) | | 7.5% | 137.24 | 10.29 |
| e) Carriage & Royalty | | | | |
| Sand | Cum | 0.0075 | 1395.16 | 10.46 |
| Cement | Qntl. | 0.0372 | 60.46 | 2.25 |
| | | | | 12.71 |
| Rate per 1 Sqm = a+b+c+d+e | | | | 170.53 |
| Add towards Labour Cess @ 1% | | 1% | 170.53 | 1.71 |
| | | | | 172.24 |
| | | | Say | 172.20 |
| (A) For First Floor 6 mm C.P to inside RCC surface | | | | |
| Rate as above | | | | 172.24 |
| Add extra Labour | | 3% | 119.55 | 3.59 |
| Overhead Charges on extra labour | | 7.5% | 3.59 | 0.27 |
| Contractor's Profit | | 7.5% | 3.59 | 0.27 |
| Add towards extra Labour Cess @ 1% | | 1% | 4.13 | 0.04 |
| | | | | 176.41 |
| | | | Say | 176.40 |
| (B) For Second Floor 6 mm C.P to inside RCC surface | | | | |
| Rate as above | | | | 176.41 |
| Add extra Labour | | 3% | 123.14 | 3.69 |
| Overhead Charges on extra labour | | 7.5% | 3.69 | 0.28 |
| Contractor's Profit | | 7.5% | 3.69 | 0.28 |
| Add towards extra Labour Cess @ 1% | | 1% | 4.25 | 0.04 |
| | | | | 180.70 |
| | | | Say | 180.70 |
| (C) For Third Floor 6 mm C.P to inside RCC surface | | | | |
| Rate as above | | | | 180.70 |
| Add extra Labour | | 3% | 126.83 | 3.80 |
| Overhead Charges on extra labour | | 7.5% | 3.80 | 0.29 |
| Contractor's Profit | | 7.5% | 3.80 | 0.29 |
| Add towards extra Labour Cess @ 1% | | 1% | 4.38 | 0.04 |
| | | | | 185.12 |
| | | | Say | 185.10 |
| (D) For Fourth Floor 6 mm C.P to inside RCC surface | | | | |
| Rate as above | | | | 178.30 |
| Add extra Labour | | 3% | 147.03 | 4.41 |
| Overhead Charges on extra labour | | 7.5% | 4.41 | 0.33 |
| Contractor's Profit | | 7.5% | 4.41 | 0.33 |
| Add towards extra Labour Cess @ 1% | | 1% | 5.07 | 0.05 |
| | | | | 183.42 |
| | | | Say | 183.40 |

- 22 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 | 850.20 | 14.37 |
| Sand | Cum | 0.0169 | 76.88 | 1.30 |
| Cement | Qntl. | 0.1208 | 459.94 | 55.56 |
| | | | | 71.23 |

b) Labour

| | | | | |
|---------------|------|------|--------|---------------|
| Mason Special | Each | 0.10 | 495.00 | 49.50 |
| Man Mulia | Each | 0.36 | 345.00 | 124.20 |
| | | | | 173.70 |

c) Overhead charges @ 7.5% on (a+b)

7.5% 244.93 **18.37**

d) Contracor's Profit @ 7.5% on (a+b)

7.5% 244.93 **18.37**

e) Carriage & Royalty

| | | | | |
|------------------------------------|-------|--------|---------|--------------|
| 4.7 mm size hard granite C.B chips | Cum | 0.0169 | 1525.41 | 25.78 |
| Sand | Cum | 0.0169 | 1395.16 | 23.58 |
| Cement | Qntl. | 0.1208 | 60.46 | 7.30 |
| | | | | 56.66 |

Rate per 1 Sqm = a+b+c+d+e

338.33

Add towards Labour Cess @ 1%

1% 338.33

341.71

Say 341.70

(A) For First Floor 2.5 cm thick grading concrete (1:2:2)

| | | | | |
|------------------------------------|------|--------|-------|---------------|
| Rate as above | | | | 341.71 |
| 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 | |
| Add towards extra Labour Cess @ 1% | 1% | 29.96 | 0.30 | |
| | | | | 371.97 |

Say 372.00

(B) For Second Floor 2.5 cm thick grading concrete (1:2:2)

| | | | | |
|------------------------------------|------|--------|-------|---------------|
| Rate as above | | | | 371.97 |
| Add extra Labour | 15% | 199.76 | 29.96 | |
| Overhead Charges on extra labour | 7.5% | 29.96 | 2.25 | |
| Contractor's Profit | 7.5% | 29.96 | 2.25 | |
| Add towards extra Labour Cess @ 1% | 1% | 34.46 | 0.34 | |
| | | | | 406.77 |

| | | | | |
|--|------|--------|------------|---------------|
| | | | Say | 406.80 |
| (C) For Third Floor 2.5 cm thick grading concrete (1:2:2) | | | | |
| Rate as above | | | | 406.77 |
| Add extra Labour | 15% | 229.72 | | 34.46 |
| Overhead Charges on extra labour | 7.5% | 34.46 | | 2.58 |
| Contractor's Profit | 7.5% | 34.46 | | 2.58 |
| Add towards extra Labour Cess @ 1% | 1% | 39.62 | | 0.40 |
| | | | | <u>446.79</u> |
| | | | Say | 446.80 |
| (D) For Fourth Floor 2.5 cm thick grading concrete (1:2:2) | | | | |
| Rate as above | | | | 446.79 |
| Add extra Labour | 15% | 264.18 | | 39.63 |
| Overhead Charges on extra labour | 7.5% | 39.63 | | 2.97 |
| Contractor's Profit | 7.5% | 39.63 | | 2.97 |
| Add towards extra Labour Cess @ 1% | 1% | 45.57 | | 0.46 |
| | | | | <u>492.82</u> |
| | | | Say | 492.80 |
| (E) For Fifth Floor 2.5 cm thick grading concrete (1:2:2) | | | | |
| Rate as above | | | | 492.82 |
| Add extra Labour | 15% | 303.81 | | 45.57 |
| Overhead Charges on extra labour | 7.5% | 45.57 | | 3.42 |
| Contractor's Profit | 7.5% | 45.57 | | 3.42 |
| Add towards extra Labour Cess @ 1% | 1% | 52.41 | | 0.52 |
| | | | | <u>545.75</u> |
| | | | Say | 545.80 |
| (D) For Sixth Floor 2.5 cm thick grading concrete (1:2:2) | | | | |
| Rate as above | | | | 545.75 |
| Add extra Labour | 15% | 349.38 | | 52.41 |
| Overhead Charges on extra labour | 7.5% | 52.41 | | 3.93 |
| Contractor's Profit | 7.5% | 52.41 | | 3.93 |
| Add towards extra Labour Cess @ 1% | 1% | 60.27 | | 0.60 |
| | | | | <u>606.62</u> |
| | | | Say | 606.60 |
| (E) For Seventh Floor 2.5 cm thick grading concrete (1:2:2) | | | | |
| Rate as above | | | | 606.62 |
| Add extra Labour | 15% | 401.79 | | 60.27 |
| Overhead Charges on extra labour | 7.5% | 60.27 | | 4.52 |
| Contractor's Profit | 7.5% | 60.27 | | 4.52 |
| Add towards extra Labour Cess @ 1% | 1% | 69.31 | | 0.69 |
| | | | | <u>676.62</u> |
| | | | Say | 676.60 |

- 23 Finishing surface of walls with **cement based wall putty** (water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials labour T & P etc. as per direction of Engineer -In -charge. in **Ground Floor**

Unit = Sqm (A/R 2006-Page No-236 item-2)

Taking output = 10Sqm

a) Materials

| | | | | |
|--------------------|-----|------|-------|---------------|
| Cement based Putty | Kg. | 8.00 | 23.62 | 188.96 |
| | | | | <u>188.96</u> |

b) Labour

| | | | | |
|-------------------|------|------|--------|---------------|
| Painter 2nd Class | Each | 0.50 | 435.00 | 217.50 |
| Man Mulia | Each | 0.57 | 345.00 | 196.65 |
| | | | | <u>414.15</u> |

c) Overhead charges @ 7.5% on (a+b)

7.5% 603.11 **45.23**

d) Contracor's Profit @ 7.5% on (a+b)

7.5% 603.11 **45.23**

Rate per 10 Sqm = a+b+c+d

693.57

Rate per 1 Sqm = (a+b+c+d)/10

69.36

Add towards Labour Cess @ 1%

1% 69.36 0.69

70.05

Say 70.10

- 24 Priming one coat with approved **Wood Primer on wood work in Ground Floor**

Unit = Sqm (A/R 2006-Page No-93 item-1)

Taking output = 9.3 Sqm

a) Labour

| | | | | |
|-----------------|------|------|--------|---------------|
| 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 Wood Primer

Ltr 0.700 142.70 99.89

b) Overhead charges @ 7.5% on (a)

7.5% 519.89 **38.99**

c) Contractor's Profit @ 7.5% on (a)

7.5% 519.89 **38.99**

Rate per 9.3 Sqm = a+b+c

597.87

Rate per 1 Sqm = (a+b+c)/9.3

64.29

64.29

Add towards Labour Cess @ 1%

1% 64.29 0.64

64.93

Say 64.90

(A) For First Floor one coat Wood Primer

Rate as above 64.93

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% 1.55 0.02

66.50

| | | | | |
|---|------|-------|------------|---------------|
| | | | Say | 66.50 |
| (B) For Second Floor one coat Wood Primer | | | | |
| Rate as above | | | | 66.50 |
| Add extra Labour | 3% | 46.51 | | 1.40 |
| Overhead Charges on extra labour | 7.5% | 1.40 | | 0.11 |
| Contractor's Profit | 7.5% | 1.40 | | 0.11 |
| Add towards extra Labour Cess @ 1% | 1% | 1.62 | | 0.02 |
| | | | | 68.14 |
| | | | Say | 68.10 |
| (C) For Third Floor one coat Wood Primer | | | | |
| Rate as above | | | | 68.14 |
| Add extra Labour | 3% | 47.91 | | 1.44 |
| Overhead Charges on extra labour | 7.5% | 1.44 | | 0.11 |
| Contractor's Profit | 7.5% | 1.44 | | 0.11 |
| Add towards extra Labour Cess @ 1% | 1% | 1.66 | | 0.02 |
| | | | | 69.82 |
| | | | Say | 69.80 |
| 25 Priming one coat with approved Red Oxide Primer on Steel work in Ground Floor | | | | |
| Unit = Sqm (A/R 2006-Page No-93 item-1) | | | | |
| Taking output = 9.3Sqm | | | | |
| a) Labour | | | | |
| Painter Special | Each | 0.50 | 495.00 | 247.50 |
| Man Mulia | Each | 0.50 | 345.00 | 172.50 |
| | | | | 420.00 |
| b) Overhead charges @ 7.5% on (a) | 7.5% | | 420.00 | 31.50 |
| c) Contractor's Profit @ 7.5% on (a) | 7.5% | | 420.00 | 31.50 |
| Rate per 9.3 Sqm = a+b+c | | | | 483.00 |
| Rate per 1 Sqm = (a+b+c)/9.3 | | | | 51.94 |
| Add towards cost of Red Oxide Primer | Ltr | 0.054 | 308.96 | 16.68 |
| | | | | 68.62 |
| Add towards Labour Cess @ 1% | 1% | | 68.62 | 0.69 |
| | | | | 69.31 |
| | | | Say | 69.30 |
| (A) For First Floor one coat Red Oxide Primer | | | | |
| Rate as above | | | | 69.31 |
| 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% | 1.55 | | 0.02 |
| | | | | 70.88 |
| | | | Say | 70.90 |
| (B) For Second Floor one coat Red Oxide Primer | | | | |
| Rate as above | | | | 70.88 |
| Add extra Labour | 3% | 46.51 | | 1.40 |
| Overhead Charges on extra labour | 7.5% | 1.40 | | 0.11 |

| | | | |
|------------------------------------|------|------------|--------------|
| Contractor's Profit | 7.5% | 1.40 | 0.11 |
| Add towards extra Labour Cess @ 1% | 1% | 1.62 | 0.02 |
| | | | <hr/> 72.52 |
| | | Say | 72.50 |

(C) For Third Floor one coat Red Oxide Primer

| | | | |
|------------------------------------|------|------------|--------------|
| Rate as above | | | 72.52 |
| Add extra Labour | 3% | 47.91 | 1.44 |
| Overhead Charges on extra labour | 7.5% | 1.44 | 0.11 |
| Contractor's Profit | 7.5% | 1.44 | 0.11 |
| Add towards extra Labour Cess @ 1% | 1% | 1.66 | 0.02 |
| | | | <hr/> 74.20 |
| | | Say | 74.20 |

(D) For Fourth Floor one coat Red Oxide Primer

| | | | |
|------------------------------------|------|------------|--------------|
| Rate as above | | | 74.20 |
| Add extra Labour | 3% | 49.35 | 1.48 |
| Overhead Charges on extra labour | 7.5% | 1.48 | 0.11 |
| Contractor's Profit | 7.5% | 1.48 | 0.11 |
| Add towards extra Labour Cess @ 1% | 1% | 1.70 | 0.02 |
| | | | <hr/> 75.92 |
| | | Say | 75.90 |

26 Priming one coat with approved Water Bound Wall cement Primer on Plastered Surface in Ground Floor

Unit = Sqm (A/R 2006-Page No-93 item-1)

Taking output = 9.3Sqm

a) Labour

| | | | | |
|--|------|-------|--------|--------------|
| Painter Special | Each | 0.50 | 495.00 | 247.50 |
| Man Mulia | Each | 0.50 | 345.00 | 172.50 |
| | | | | <hr/> 420.00 |
| Add towards cost of Water Bound Wall Cement Primer | Ltr | 0.780 | 125.50 | 97.89 |

b) Overhead charges @ 7.5% on (a) 7.5% 517.89 **38.84**

c) Contractor's Profit @ 7.5% on (a) 7.5% 517.89 **38.84**

Rate per 9.3 Sqm = a+b+c **595.57**

Rate per 1 Sqm = (a+b+c)/9.3 **64.04**

64.04

| | | | |
|------------------------------|----|-------|-------------|
| Add towards Labour Cess @ 1% | 1% | 64.04 | 0.64 |
| | | | <hr/> 64.68 |

Say 64.70

Inside Walls

(A) For First Floor one coat Primer on Plastered Surface

| | | | |
|------------------------------------|------|-------|-------------|
| Rate as above | | | 64.68 |
| 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% | 1.55 | 0.02 |
| | | | <hr/> 64.68 |

| | | | | |
|---|------|-------|------------|----------------|
| | | | | 66.25 |
| Inside Walls | | | Say | 66.30 |
| (B) For Second Floor one coat Primer on Plastered Surface | | | | |
| Rate as above | | | | 66.25 |
| Add extra Labour | 3% | 46.51 | | 1.40 |
| Overhead Charges on extra labour | 7.5% | 1.40 | | 0.11 |
| Contractor's Profit | 7.5% | 1.40 | | 0.11 |
| Add towards extra Labour Cess @ 1% | 1% | 1.62 | | 0.02 |
| | | | | 67.89 |
| Inside Walls | | | Say | 67.90 |
| (C) For Third Floor one coat Primer on Plastered Surface | | | | |
| Rate as above | | | | 67.89 |
| Add extra Labour | 3% | 47.91 | | 1.44 |
| Overhead Charges on extra labour | 7.5% | 1.44 | | 0.11 |
| Contractor's Profit | 7.5% | 1.44 | | 0.11 |
| Add towards extra Labour Cess @ 1% | 1% | 1.66 | | 0.02 |
| | | | | 69.57 |
| Inside Walls | | | Say | 69.60 |
| (D) For Fourth Floor one coat Primer on Plastered Surface | | | | |
| Rate as above | | | | 86.10 |
| Add extra Labour | 3% | 3.26 | | 0.10 |
| Overhead Charges on extra labour | 7.5% | 0.10 | | 0.01 |
| Contractor's Profit | 7.5% | 0.10 | | 0.01 |
| Add towards extra Labour Cess @ 1% | 1% | 0.12 | | 0.00 |
| | | | | 86.22 |
| Inside Walls | | | Say | 86.20 |
| 27 Painting two coats with approved Enamel Paint on wood work and Steel work in Ground Floor | | | | |
| Unit = Sqm (A/R 2006-Page No-93 item-3) | | | | |
| Taking output = 9.3 Sqm | | | | |
| a) Labour | | | | |
| Painter Special | Each | 1.25 | 495.00 | 618.75 |
| Man Mulia | Each | 1.10 | 345.00 | 379.50 |
| | | | | 998.25 |
| Add towards cost of Enamel Paint | Ltr | 1.160 | 249.34 | 289.23 |
| b) Overhead charges @ 7.5% on (a) | | 7.5% | 1287.48 | 96.56 |
| c) Contractor's Profit @ 7.5% on (a) | | 7.5% | 1287.48 | 96.56 |
| Rate per 9.3 Sqm = a+b+c | | | | 1480.60 |
| Rate per 1 Sqm = (a+b+c)/9.3 | | | | 159.20 |
| Add towards cost of Enamel Paint | Ltr | 0.125 | 249.34 | 159.20 |
| | | | | 159.20 |
| Add towards Labour Cess @ 1% | | 1% | 159.20 | 1.59 |
| | | | | 160.79 |
| | | | Say | 160.80 |

(A) For First Floor two coats Enamel Paint

| | | | |
|------------------------------------|------|------------|---------------|
| Rate as above | | | 160.79 |
| Add extra Labour | 3% | 107.34 | 3.22 |
| Overhead Charges on extra labour | 7.5% | 3.22 | 0.24 |
| Contractor's Profit | 7.5% | 3.22 | 0.24 |
| Add towards extra Labour Cess @ 1% | 1% | 3.70 | 0.04 |
| | | | <hr/> |
| | | | 164.53 |
| | | Say | 164.50 |

(B) For Second Floor two coats Enamel Paint

| | | | |
|------------------------------------|------|------------|---------------|
| Rate as above | | | 164.53 |
| Add extra Labour | 3% | 110.56 | 3.32 |
| Overhead Charges on extra labour | 7.5% | 3.32 | 0.25 |
| Contractor's Profit | 7.5% | 3.32 | 0.25 |
| Add towards extra Labour Cess @ 1% | 1% | 3.82 | 0.04 |
| | | | <hr/> |
| | | | 168.39 |
| | | Say | 168.40 |

(C) For Third Floor two coats Enamel Paint

| | | | |
|------------------------------------|------|------------|---------------|
| Rate as above | | | 168.39 |
| Add extra Labour | 3% | 113.88 | 3.42 |
| Overhead Charges on extra labour | 7.5% | 3.42 | 0.26 |
| Contractor's Profit | 7.5% | 3.42 | 0.26 |
| Add towards extra Labour Cess @ 1% | 1% | 3.94 | 0.04 |
| | | | <hr/> |
| | | | 172.37 |
| | | Say | 172.40 |

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

Unit = Sqm (A/R 2006-Page No-93 item-3)

| | | | |
|------------------|--|------------|---------------|
| Priming 1 coat | | | 64.93 |
| Painting 2 coats | | | 160.79 |
| | | | <hr/> |
| | | | 225.72 |
| | | Say | 225.70 |

(A) For First Floor two coats Enamel Paint over a coat of Primer

| | | | |
|------------------|--|------------|---------------|
| Priming 1 coat | | | 66.50 |
| Painting 2 coats | | | 164.53 |
| | | | <hr/> |
| | | | 231.03 |
| | | Say | 231.00 |

(B) For Second Floor two coats Enamel Paint over a coat of Primer

| | | | |
|------------------|--|------------|---------------|
| Priming 1 coat | | | 68.14 |
| Painting 2 coats | | | 168.39 |
| | | | <hr/> |
| | | | 236.53 |
| | | Say | 236.50 |

(C) For Third Floor two coats Enamel Paint over a coat of Primer

| | | | |
|------------------|--|--|--------|
| Priming 1 coat | | | 69.82 |
| Painting 2 coats | | | 172.37 |
| | | | <hr/> |
| | | | 242.19 |

| | | | | | |
|-----------|--|------|-------|------------|---------------|
| | | | | Say | 242.20 |
| 21 | 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 Mulia | Each | 0.64 | 345.00 | 220.80 |
| | | | | | 488.10 |
| | Add towards cost of Plastic Emulsion Paint | Ltr | 1.250 | 176.27 | 220.34 |
| | b) Overhead charges @ 7.5% on (a) | | 7.5% | 708.44 | 53.13 |
| | c) Contractor's Profit @ 7.5% on (a) | | 7.5% | 708.44 | 53.13 |
| | Rate per 10 Sqm = a+b+c | | | | 814.70 |
| | Rate per 1 Sqm = (a+b+c)/10 | | | | 81.47 |
| | | | | | 81.47 |
| | Add towards Labour Cess @ 1% | | 1% | 81.47 | 0.81 |
| | | | | | 82.28 |
| | | | | Say | 82.30 |
| | (A) For First Floor (INSIDE) two coats Plastic Emulsion Paint | | | | |
| | Rate as above | | | | 82.28 |
| | 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 |
| | | | | | 83.98 |
| | | | | Say | 84.00 |
| | (B) For Second Floor two coats Plastic Emulsion Paint | | | | |
| | Rate as above | | | | 83.98 |
| | Add extra Labour | | 3% | 50.27 | 1.51 |
| | Overhead Charges on extra labour | | 7.5% | 1.51 | 0.11 |
| | Contractor's Profit | | 7.5% | 1.51 | 0.11 |
| | Add towards extra Labour Cess @ 1% | | 1% | 1.73 | 0.02 |
| | | | | | 85.73 |
| | | | | Say | 85.70 |
| | (C) For Third Floor two coats Plastic Emulsion Paint | | | | |
| | Rate as above | | | | 85.73 |
| | Add extra Labour | | 3% | 51.78 | 1.55 |
| | Overhead Charges on extra labour | | 7.5% | 1.55 | 0.12 |
| | Contractor's Profit | | 7.5% | 1.55 | 0.12 |
| | Add towards extra Labour Cess @ 1% | | 1% | 1.79 | 0.02 |
| | | | | | 87.54 |
| | | | | Say | 87.50 |
| | (D) For Fourth Floor two coats Plastic Emulsion Paint | | | | |
| | Rate as above | | | | 87.54 |
| | Add extra Labour | | 3% | 53.33 | 1.60 |
| | Overhead Charges on extra labour | | 7.5% | 1.60 | 0.12 |

| | | | |
|---|------|------------|---------------|
| Contractor's Profit | 7.5% | 1.60 | 0.12 |
| Add towards extra Labour Cess @ 1% | 1% | 1.84 | 0.02 |
| | | | 89.40 |
| | | Say | 89.40 |
| (E) For Fifth Floor two coats Plastic Emulsion Paint | | | |
| Rate as above | | | 89.40 |
| Add extra Labour | 3% | 54.93 | 1.65 |
| Overhead Charges on extra labour | 7.5% | 1.65 | 0.12 |
| Contractor's Profit | 7.5% | 1.65 | 0.12 |
| Add towards extra Labour Cess @ 1% | 1% | 1.89 | 0.02 |
| | | | 91.31 |
| | | Say | 91.30 |
| (D) For Sixth Floor two coats Plastic Emulsion Paint | | | |
| Rate as above | | | 91.31 |
| Add extra Labour | 3% | 56.58 | 1.70 |
| Overhead Charges on extra labour | 7.5% | 1.70 | 0.13 |
| Contractor's Profit | 7.5% | 1.70 | 0.13 |
| Add towards extra Labour Cess @ 1% | 1% | 1.96 | 0.02 |
| | | | 93.29 |
| | | Say | 93.30 |
| (E) For Seventh Floor two coats Plastic Emulsion Paint | | | |
| Rate as above | | | 93.29 |
| Add extra Labour | 3% | 58.28 | 1.75 |
| Overhead Charges on extra labour | 7.5% | 1.75 | 0.13 |
| Contractor's Profit | 7.5% | 1.75 | 0.13 |
| Add towards extra Labour Cess @ 1% | 1% | 2.01 | 0.02 |
| | | | 95.32 |
| | | Say | 95.30 |
| 22 Wall Painting two coats with approved Plastic Emulsion Paint over a coat of Water Bound Wall cement Primer on Plastered Surface in Ground Floor | | | |
| Unit = Sqm | | | |
| Priming 1 coat | | | 64.68 |
| Painting 2 coats | | | 82.28 |
| | | | 146.96 |
| | | Say | 147.00 |
| (A) For First Floor Plastic Emulsion | | | |
| Priming 1 coat | | | 66.25 |
| Painting 2 coats | | | 83.98 |
| | | | 150.23 |
| | | Say | 150.20 |
| (B) For Second Floor Plastic Emulsion | | | |
| Priming 1 coat | | | 67.89 |
| Painting 2 coats | | | 85.73 |
| | | | 153.62 |

| | | | | | |
|---|------|-------|--------|------------|---------------|
| | | | | Say | 153.60 |
| (C) For Third Floor Plastic Emulsion | | | | | |
| Priming 1 coat | | | | | 69.57 |
| Painting 2 coats | | | | | 87.54 |
| | | | | | <u>157.11</u> |
| | | | | Say | 157.10 |
| (D) For Fourth Floor Plastic Emulsion | | | | | |
| Priming 1 coat | | | | | 71.29 |
| Painting 2 coats | | | | | 89.40 |
| | | | | | <u>160.69</u> |
| | | | | Say | 160.70 |
| (E) For Fifth Floor Plastic Emulsion | | | | | |
| Priming 1 coat | | | | | 73.05 |
| Painting 2 coats | | | | | 91.31 |
| | | | | | <u>164.36</u> |
| | | | | Say | 164.40 |
| 29 Wall Painting two coats with approved Distemper in Ground Floor | | | | | |
| Unit = Sqm (A/R 2006-Page No-99 item-22) | | | | | |
| Taking output = 10Sqm | | | | | |
| a) Labour | | | | | |
| Painter Special | Each | 0.52 | 495.00 | | 257.40 |
| Man Mulia | Each | 0.62 | 345.00 | | 213.90 |
| | | | | | <u>471.30</u> |
| b) Overhead charges @ 7.5% on (a) | | 7.5% | 471.30 | | 35.35 |
| c) Contractor's Profit @ 7.5% on (a) | | 7.5% | 471.30 | | 35.35 |
| Rate per 9.3 Sqm = a+b+c | | | | | 542.00 |
| Rate per 1 Sqm = (a+b+c)/10 | | | | | 54.20 |
| Add towards cost of Distemper | Kg | 0.250 | 205.34 | | 51.34 |
| | | | | | <u>105.54</u> |
| Add towards Labour Cess @ 1% | | 1% | 105.54 | | 1.06 |
| | | | | | <u>106.60</u> |
| | | | | Say | 106.60 |
| (A) For First Floor (INSIDE) | | | | | |
| Rate as above | | | | | 106.60 |
| Add extra Labour | | 3% | 47.13 | | 1.41 |
| Overhead Charges on extra labour | | 7.5% | 1.41 | | 0.11 |
| Contractor's Profit | | 7.5% | 1.41 | | 0.11 |
| Add towards extra Labour Cess @ 1% | | 1% | 1.63 | | 0.02 |
| | | | | | <u>108.25</u> |
| | | | | Say | 108.30 |
| (B) For Second Floor | | | | | |
| Rate as above | | | | | 108.25 |
| Add extra Labour | | 3% | 48.54 | | 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 |
| | | | <hr/> 109.95 |
| | | Say | 110.00 |
| (C) For Third Floor | | | |
| Rate as above | | | 109.95 |
| Add extra Labour | 3% | 50.00 | 1.50 |
| Overhead Charges on extra labour | 7.5% | 1.50 | 0.11 |
| Contractor's Profit | 7.5% | 1.50 | 0.11 |
| Add towards extra Labour Cess @ 1% | 1% | 1.72 | 0.02 |
| | | | <hr/> 111.69 |
| | | Say | 111.70 |
| (C) For Fourth Floor | | | |
| Rate as above | | | 111.69 |
| Add extra Labour | 3% | 51.50 | 1.55 |
| Overhead Charges on extra labour | 7.5% | 1.55 | 0.12 |
| Contractor's Profit | 7.5% | 1.55 | 0.12 |
| Add towards extra Labour Cess @ 1% | 1% | 1.79 | 0.02 |
| | | | <hr/> 113.50 |
| | | Say | 113.50 |
| (C) For Fifth Floor | | | |
| Rate as above | | | 113.50 |
| Add extra Labour | 3% | 53.05 | 1.59 |
| Overhead Charges on extra labour | 7.5% | 1.59 | 0.12 |
| Contractor's Profit | 7.5% | 1.59 | 0.12 |
| Add towards extra Labour Cess @ 1% | 1% | 1.83 | 0.02 |
| | | | <hr/> 115.35 |
| | | Say | 115.40 |
| 30 Wall Painting two coats with approved Distemper over a coat of Water Bound Wall cement Primer on Plastered Surface in Ground Floor | | | |
| Unit = Sqm | | | |
| Priming 1 coat | | | 64.68 |
| Painting 2 coats | | | <hr/> 106.60 |
| | | | 171.28 |
| | | Say | 171.30 |
| (A) For First Floor | | | |
| Priming 1 coat | | | 66.25 |
| Painting 2 coats | | | <hr/> 108.25 |
| | | | 174.50 |
| | | Say | 174.50 |
| (B) For Second Floor | | | |
| Priming 1 coat | | | 67.89 |
| Painting 2 coats | | | <hr/> 109.95 |
| | | | 177.84 |
| | | Say | 177.80 |

(C) For Third Floor

| | | | |
|------------------|------------|--|---------------|
| Priming 1 coat | | | 69.57 |
| Painting 2 coats | | | 111.69 |
| | | | <u>181.26</u> |
| | Say | | 181.30 |

(D) For Fourth Floor

| | | | |
|------------------|------------|--|---------------|
| Priming 1 coat | | | 71.29 |
| Painting 2 coats | | | 113.50 |
| | | | <u>184.79</u> |
| | Say | | 184.80 |

(B) For Fifth Floor

| | | | |
|------------------|------------|--|---------------|
| Priming 1 coat | | | 73.05 |
| Painting 2 coats | | | 115.35 |
| | | | <u>188.40</u> |
| | Say | | 188.40 |

(F) For Sixth Floor Plastic Emulsion

| | | | |
|------------------|------------|--|---------------|
| Priming 1 coat | | | 74.88 |
| Painting 2 coats | | | 93.29 |
| | | | <u>168.17</u> |
| | Say | | 168.20 |

(G) For Seventh Plastic Emulsion

| | | | |
|------------------|------------|--|---------------|
| Priming 1 coat | | | 76.76 |
| Painting 2 coats | | | 95.32 |
| | | | <u>172.08</u> |
| | Say | | 172.10 |

(D) For Third Floor two coats Plastic Emulsion Paint

| | | | |
|------------------------------------|------------|-------|--------------|
| Rate as above | | | 87.50 |
| Add extra Labour | 3% | 53.33 | 1.60 |
| Overhead Charges on extra labour | 7.5% | 1.60 | 0.12 |
| Contractor's Profit | 7.5% | 1.60 | 0.12 |
| Add towards extra Labour Cess @ 1% | 1% | 1.84 | 0.02 |
| | | | <u>89.36</u> |
| | Say | | 89.40 |

31 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 Mulia | Each | 0.64 | 345.00 | 220.80 |
| | | | | <u>488.10</u> |
| Add towards cost of Weather Seal Coat | Ltr | 1.250 | 167.09 | 208.86 |
| b) Overhead charges @ 7.5% on (a) | | 7.5% | 696.96 | 52.27 |
| c) Contractor's Profit @ 7.5% on (a) | | 7.5% | 696.96 | 52.27 |

| | | | |
|---|------|------------|---------------|
| Rate per 10 Sqm = a+b+c | | | 801.50 |
| Rate per 1 Sqm = (a+b+c)/10 | | | 80.15 |
| | | | 80.15 |
| Add towards Labour Cess @ 1% | 1% | 80.15 | 0.80 |
| | | | 80.95 |
| | | Say | 81.00 |
| (A) For First Floor Weather seal coat 2 coats | | | |
| Rate as above | | | 80.95 |
| Add extra Labour | 5% | 48.81 | 2.44 |
| Overhead Charges on extra labour | 7.5% | 2.44 | 0.18 |
| Contractor's Profit | 7.5% | 2.44 | 0.18 |
| Add towards extra Labour Cess @ 1% | 1% | 2.80 | 0.03 |
| | | | 83.78 |
| | | Say | 83.80 |
| (B) For Second Floor Weather seal coat 2 coats | | | |
| Rate as above | | | 83.78 |
| Add extra Labour | 5% | 51.25 | 2.56 |
| Overhead Charges on extra labour | 7.5% | 2.56 | 0.19 |
| Contractor's Profit | 7.5% | 2.56 | 0.19 |
| Add towards extra Labour Cess @ 1% | 1% | 2.94 | 0.03 |
| | | | 86.75 |
| | | Say | 86.80 |
| (C) For Third Floor Weather seal coat 2 coats | | | |
| Rate as above | | | 86.75 |
| Add extra Labour | 5% | 53.81 | 2.69 |
| Overhead Charges on extra labour | 7.5% | 2.69 | 0.20 |
| Contractor's Profit | 7.5% | 2.69 | 0.20 |
| Add towards extra Labour Cess @ 1% | 1% | 3.09 | 0.03 |
| | | | 89.87 |
| | | Say | 89.90 |
| (D) For Fourth Floor Weather seal coat 2 coats | | | |
| Rate as above | | | 89.87 |
| Add extra Labour | 5% | 56.50 | 2.83 |
| Overhead Charges on extra labour | 7.5% | 2.83 | 0.21 |
| Contractor's Profit | 7.5% | 2.83 | 0.21 |
| Add towards extra Labour Cess @ 1% | 1% | 3.25 | 0.03 |
| | | | 93.15 |
| | | Say | 93.20 |
| (E) For Fifth Floor Weather seal coat 2 coats | | | |
| Rate as above | | | 93.15 |
| Add extra Labour | 5% | 59.33 | 2.97 |
| Overhead Charges on extra labour | 7.5% | 2.97 | 0.22 |
| Contractor's Profit | 7.5% | 2.97 | 0.22 |
| Add towards extra Labour Cess @ 1% | 1% | 3.41 | 0.03 |
| | | | 96.59 |

| | | | | |
|--|------|-------|------------|---------------|
| | | | Say | 96.60 |
| (D) For Sixth Floor Weather seal coat 2 coats | | | | |
| Rate as above | | | | 96.59 |
| Add extra Labour | 5% | 62.30 | | 3.12 |
| Overhead Charges on extra labour | 7.5% | 3.12 | | 0.23 |
| Contractor's Profit | 7.5% | 3.12 | | 0.23 |
| Add towards extra Labour Cess @ 1% | 1% | 3.58 | | 0.04 |
| | | | | 100.21 |
| | | | Say | 100.20 |
| (E) For Seventh Floor Weather seal coat 2 coats | | | | |
| Rate as above | | | | 100.21 |
| Add extra Labour | 5% | 65.42 | | 3.27 |
| Overhead Charges on extra labour | 7.5% | 3.27 | | 0.25 |
| Contractor's Profit | 7.5% | 3.27 | | 0.25 |
| Add towards extra Labour Cess @ 1% | 1% | 3.77 | | 0.04 |
| | | | | 104.02 |
| | | | Say | 104.00 |
| 32 Painting two coats with any approved colour of weather seal coat over a coat of Water Bound Wall cement Primer to out side surface of wall in Ground Floor | | | | |
| Unit = Sqm | | | | |
| Priming 1 coat | | | | 64.68 |
| Painting 2 coats | | | | 80.95 |
| | | | | 145.63 |
| | | | Say | 145.60 |
| (A) For First Floor weather seal coat | | | | |
| Priming 1 coat | | | | 67.31 |
| Painting 2 coats | | | | 83.78 |
| | | | | 151.09 |
| | | | Say | 151.10 |
| (B) For Second Floor weather seal coat | | | | |
| Priming 1 coat | | | | 70.07 |
| Painting 2 coats | | | | 86.75 |
| | | | | 156.82 |
| | | | Say | 156.80 |
| (C) For Third Floor weather seal coat | | | | |
| Priming 1 coat | | | | 72.97 |
| Painting 2 coats | | | | 89.87 |
| | | | | 162.84 |
| | | | Say | 162.80 |
| (D) For Fourth Floor weather seal coat | | | | |
| Priming 1 coat | | | | 76.01 |
| Painting 2 coats | | | | 93.15 |
| | | | | 169.16 |
| | | | Say | 169.20 |

(E) For Fifth Floor weather seal coat

| | | | | |
|------------------|--|--|------------|---------------|
| Priming 1 coat | | | | 79.20 |
| Painting 2 coats | | | | 96.59 |
| | | | | <u>175.79</u> |
| | | | Say | 175.80 |

(D) For Sixth Floor weather seal coat

| | | | | |
|------------------|--|--|------------|---------------|
| Priming 1 coat | | | | 82.55 |
| Painting 2 coats | | | | 100.21 |
| | | | | <u>182.76</u> |
| | | | Say | 182.80 |

(E) For Seventh Floor weather seal coat

| | | | | |
|------------------|--|--|------------|---------------|
| Priming 1 coat | | | | 86.07 |
| Painting 2 coats | | | | 104.02 |
| | | | | <u>190.09</u> |
| | | | Say | 190.10 |

38 Finishing wall surface with water proofing cement paint of approved shade on new work two coat to give an even shade in Ground Floor

Unit = Sqm (A/R 2006-Page No-98 item-18)

Taking output = 10Sqm

a) Labour

| | | | | |
|-----------------|------|------|--------|---------------|
| Painter Special | Each | 0.22 | 495.00 | 108.90 |
| Man Mulia | Each | 0.32 | 345.00 | 110.40 |
| | | | | <u>219.30</u> |

b) Overhead charges @ 7.5% on (a)

7.5% 219.30 **16.45**

c) Contractor's Profit @ 7.5% on (a)

7.5% 219.30 **16.45**

Rate per 10 Sqm = a+b+c

252.20

Rate per 1 Sqm = (a+b+c)/10

25.22

Add towards cost of Cement Paint

Ltr 0.250 70.10

17.53

42.75

Add towards Labour Cess @ 1%

1% 42.75

0.43

43.18

Say 43.20

For First Floor (OUTSIDE) cement paint two coats

Rate as above 43.18

Add extra Labour 5% 21.93 1.10

Overhead Charges on extra labour 7.5% 1.10 0.08

Contractor's Profit 7.5% 1.10 0.08

Add towards extra Labour Cess @ 1% 1% 1.26 0.01

44.45

Say 44.50

For Second Floor (OUTSIDE) cement paint two coats

Rate as above 44.45

Add extra Labour 5% 23.03 1.15

| | | | |
|------------------------------------|------|------------|--------------|
| Overhead Charges on extra labour | 7.5% | 1.15 | 0.09 |
| Contractor's Profit | 7.5% | 1.15 | 0.09 |
| Add towards extra Labour Cess @ 1% | 1% | 1.33 | 0.01 |
| | | | <u>45.79</u> |
| | | Say | 45.80 |

For Third Floor (OUTSIDE) cement paint two coats

| | | | |
|------------------------------------|------|------------|--------------|
| Rate as above | | | 45.79 |
| Add extra Labour | 5% | 24.18 | 1.21 |
| Overhead Charges on extra labour | 7.5% | 1.21 | 0.09 |
| Contractor's Profit | 7.5% | 1.21 | 0.09 |
| Add towards extra Labour Cess @ 1% | 1% | 1.39 | 0.01 |
| | | | <u>47.19</u> |
| | | Say | 47.20 |

For Fourth Floor (OUTSIDE) cement paint two coats

| | | | |
|------------------------------------|------|------------|--------------|
| Rate as above | | | 47.19 |
| Add extra Labour | 5% | 25.39 | 1.27 |
| Overhead Charges on extra labour | 7.5% | 1.27 | 0.10 |
| Contractor's Profit | 7.5% | 1.27 | 0.10 |
| Add towards extra Labour Cess @ 1% | 1% | 1.47 | 0.01 |
| | | | <u>48.67</u> |
| | | Say | 48.70 |

For Fifth Floor (OUTSIDE) cement paint two coats

| | | | |
|------------------------------------|------|------------|--------------|
| Rate as above | | | 48.67 |
| Add extra Labour | 5% | 26.66 | 1.33 |
| Overhead Charges on extra labour | 7.5% | 1.33 | 0.10 |
| Contractor's Profit | 7.5% | 1.33 | 0.10 |
| Add towards extra Labour Cess @ 1% | 1% | 1.53 | 0.02 |
| | | | <u>50.22</u> |
| | | Say | 50.20 |

For Sixth Floor (OUTSIDE) cement paint two coats

| | | | |
|------------------------------------|------|------------|--------------|
| Rate as above | | | 50.22 |
| Add extra Labour | 5% | 27.99 | 1.40 |
| Overhead Charges on extra labour | 7.5% | 1.40 | 0.11 |
| Contractor's Profit | 7.5% | 1.40 | 0.11 |
| Add towards extra Labour Cess @ 1% | 1% | 1.62 | 0.02 |
| | | | <u>51.86</u> |
| | | Say | 51.90 |

For Seventh Floor (OUTSIDE) cement paint two coats

| | | | |
|------------------------------------|------|------------|--------------|
| Rate as above | | | 51.86 |
| Add extra Labour | 5% | 29.39 | 1.47 |
| Overhead Charges on extra labour | 7.5% | 1.47 | 0.11 |
| Contractor's Profit | 7.5% | 1.47 | 0.11 |
| Add towards extra Labour Cess @ 1% | 1% | 1.69 | 0.02 |
| | | | <u>53.57</u> |
| | | Say | 53.60 |

For First Floor (Inside) cement paint two coats

| | | | |
|------------------------------------|------|-------|--------------|
| Rate as above | | | 43.18 |
| Add extra Labour | 3% | 21.93 | 0.66 |
| Overhead Charges on extra labour | 7.5% | 0.66 | 0.05 |
| Contractor's Profit | 7.5% | 0.66 | 0.05 |
| Add towards extra Labour Cess @ 1% | 1% | 0.76 | 0.01 |
| | | | <u>43.95</u> |

Say 44.00

For Second Floor (Inside) cement paint two coats

| | | | |
|------------------------------------|------|-------|--------------|
| Rate as above | | | 43.95 |
| Add extra Labour | 3% | 22.59 | 0.68 |
| Overhead Charges on extra labour | 7.5% | 0.68 | 0.05 |
| Contractor's Profit | 7.5% | 0.68 | 0.05 |
| Add towards extra Labour Cess @ 1% | 1% | 0.78 | 0.01 |
| | | | <u>44.74</u> |

Say 44.70

For Third Floor (Inside) cement paint two coats

| | | | |
|------------------------------------|------|-------|--------------|
| Rate as above | | | 44.74 |
| Add extra Labour | 3% | 23.27 | 0.70 |
| Overhead Charges on extra labour | 7.5% | 0.70 | 0.05 |
| Contractor's Profit | 7.5% | 0.70 | 0.05 |
| Add towards extra Labour Cess @ 1% | 1% | 0.80 | 0.01 |
| | | | <u>45.55</u> |

Say 45.60

For Fourth Floor (Inside) cement paint two coats

| | | | |
|------------------------------------|------|-------|--------------|
| Rate as above | | | 45.55 |
| Add extra Labour | 3% | 23.97 | 0.72 |
| Overhead Charges on extra labour | 7.5% | 0.72 | 0.05 |
| Contractor's Profit | 7.5% | 0.72 | 0.05 |
| Add towards extra Labour Cess @ 1% | 1% | 0.82 | 0.01 |
| | | | <u>46.38</u> |

Say 46.40

For Fifth Floor (Inside) cement paint two coats

| | | | |
|------------------------------------|------|-------|--------------|
| Rate as above | | | 46.38 |
| Add extra Labour | 3% | 24.69 | 0.74 |
| Overhead Charges on extra labour | 7.5% | 0.74 | 0.06 |
| Contractor's Profit | 7.5% | 0.74 | 0.06 |
| Add towards extra Labour Cess @ 1% | 1% | 0.86 | 0.01 |
| | | | <u>47.25</u> |

Say 47.30

For Sixth Floor (Inside) cement paint two coats

| | | | |
|------------------------------------|------|-------|--------------|
| Rate as above | | | 47.25 |
| Add extra Labour | 3% | 25.43 | 0.76 |
| Overhead Charges on extra labour | 7.5% | 0.76 | 0.06 |
| Contractor's Profit | 7.5% | 0.76 | 0.06 |
| Add towards extra Labour Cess @ 1% | 1% | 0.88 | 0.01 |
| | | | <u>48.14</u> |

| | | | | |
|--|------|-------|------------|--------------|
| | | | Say | 48.10 |
| For Seventh Floor (Inside) cement paint two coats | | | | |
| Rate as above | | | | 48.14 |
| Add extra Labour | 3% | 26.19 | | 0.79 |
| Overhead Charges on extra labour | 7.5% | 0.79 | | 0.06 |
| Contractor's Profit | 7.5% | 0.79 | | 0.06 |
| Add towards extra Labour Cess @ 1% | 1% | 0.91 | | 0.01 |
| | | | | <hr/> 49.06 |
| | | | Say | 49.10 |

(D) For Fourth Floor Weather seal coat 2 coats

| | | | | |
|------------------------------------|------|-------|------------|--------------|
| Rate as above | | | | 89.90 |
| Add extra Labour | 5% | 26.98 | | 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% | 1.55 | | 0.02 |
| | | | | <hr/> 91.47 |
| | | | Say | 91.50 |

- 33 Supplying, fitting & fixing of 10 mm thick & size of 600x600 mm verified floor tile of matt finish with veilcraft (VC/FT) shield(Scratch free/stain free) with water absorption limit between 0.08% to 3% and conforming to IS : 15622:2006 (Group B Ib). 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

a) Materials

| | | | | |
|-----------------------------|-------|--------|---------|---------------|
| 60cm x 60cm Vitrified Tiles | Sqm | 10.000 | 651.08 | 6510.80 |
| Sand | Cum | 0.210 | 76.88 | 16.14 |
| Cement | Qntl. | 0.744 | 459.94 | 342.20 |
| Cement for slurry | Qntl. | 0.330 | 459.94 | 151.78 |
| White Cement | Qntl. | 0.076 | 2017.18 | 153.31 |
| | | | | <hr/> 7174.23 |

b) Labour

| | | | | |
|---------------|------|------|--------|---------------|
| Mason Special | Each | 2.16 | 495.00 | 1069.20 |
| Man Mulia | Each | 2.16 | 345.00 | 745.20 |
| | | | | <hr/> 1814.40 |

- c) Overhead charges @ 7.5% on (a+b) 7.5% 8988.63 674.15
d) Contractor's Profit @ 7.5% on (a+b) 7.5% 8988.63 674.15
e) Carriage & Royalty

| | | | | |
|--|-------|---------|------------|----------------|
| 60cm x 60cm Vitrified Tiles | Sqm | 10.000 | 28.28 | 282.77 |
| Sand | Cum | 0.210 | 1395.16 | 292.98 |
| Cement | Qntl. | 0.744 | 60.46 | 44.98 |
| Cement for slurry | Qntl. | 0.330 | 60.46 | 19.95 |
| White Cement | Qntl. | 0.076 | 60.46 | 4.59 |
| | | | | 645.27 |
| Rate per 10 Sqm = a+b+c+d+e | | | | 10982.20 |
| Rate per 1 Sqm = (a+b+c+d+e)/10 | | | | 1098.22 |
| Add towards Labour Cess @ 1% | 1% | 1098.22 | | 10.98 |
| | | | | 1109.20 |
| | | | Say | 1109.20 |
| (A) For First Floor | | | | |
| Rate as above | | | | 1109.20 |
| 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 |
| | | | | 1119.73 |
| | | | Say | 1119.70 |
| (B) For Second Floor | | | | |
| Rate as above | | | | 1119.73 |
| Add extra Labour | 5% | 190.51 | | 9.53 |
| Overhead Charges on extra labour | 7.5% | 9.53 | | 0.71 |
| Contractor's Profit | 7.5% | 9.53 | | 0.71 |
| Add towards extra Labour Cess @ 1% | 1% | 10.95 | | 0.11 |
| | | | | 1130.79 |
| | | | Say | 1130.80 |
| (C) For Third Floor | | | | |
| Rate as above | | | | 1130.79 |
| Add extra Labour | 5% | 200.04 | | 10.00 |
| Overhead Charges on extra labour | 7.5% | 10.00 | | 0.75 |
| Contractor's Profit | 7.5% | 10.00 | | 0.75 |
| Add towards extra Labour Cess @ 1% | 1% | 11.50 | | 0.12 |
| | | | | 1142.41 |
| | | | Say | 1142.40 |
| (D) For Fourth Floor | | | | |
| Rate as above | | | | 1142.41 |
| Add extra Labour | 5% | 210.04 | | 10.50 |
| Overhead Charges on extra labour | 7.5% | 10.50 | | 0.79 |
| Contractor's Profit | 7.5% | 10.50 | | 0.79 |
| Add towards extra Labour Cess @ 1% | 1% | 12.08 | | 0.12 |
| | | | | 1154.61 |
| | | | Say | 1154.60 |
| (E) For Fifth Floor | | | | |
| Rate as above | | | | 1154.61 |
| Add extra Labour | 5% | 220.54 | | 11.03 |

| | | | |
|------------------------------------|------|------------|----------------|
| Overhead Charges on extra labour | 7.5% | 11.03 | 0.83 |
| Contractor's Profit | 7.5% | 11.03 | 0.83 |
| Add towards extra Labour Cess @ 1% | 1% | 12.69 | 0.13 |
| | | | 1167.43 |
| | | Say | 1167.40 |

(D) For Sixth Floor

| | | | |
|------------------------------------|------|------------|----------------|
| Rate as above | | | 1167.43 |
| Add extra Labour | 5% | 231.57 | 11.58 |
| Overhead Charges on extra labour | 7.5% | 11.58 | 0.87 |
| Contractor's Profit | 7.5% | 11.58 | 0.87 |
| Add towards extra Labour Cess @ 1% | 1% | 13.32 | 0.13 |
| | | | 1180.88 |
| | | Say | 1180.90 |

(E) For Seventh Floor

| | | | |
|------------------------------------|------|------------|----------------|
| Rate as above | | | 1180.88 |
| Add extra Labour | 5% | 243.15 | 12.16 |
| Overhead Charges on extra labour | 7.5% | 12.16 | 0.91 |
| Contractor's Profit | 7.5% | 12.16 | 0.91 |
| Add towards extra Labour Cess @ 1% | 1% | 13.98 | 0.14 |
| | | | 1195.00 |
| | | Say | 1195.00 |

- 34** Supplying, fitting & fixing of **10 mm thick and size of 600x600 mm verified wall tile of** in dadoes, skirting and risers of steps of 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.

Unit = Sqm (A/R 2006-Page No-90 item-17)

Taking output = 10Sqm

a) Materials

| | | | | |
|----------------------|-------|--------|--------|----------------|
| 60cm x 60cm verified | Sqm | 10.000 | 651.08 | 6510.80 |
| Sand | Cum | 0.150 | 76.88 | 11.53 |
| Cement | Qntl. | 0.715 | 459.94 | 328.86 |
| Cement for slurry | Qntl. | 0.660 | 459.94 | 303.56 |
| | | | | 0.00 |
| | | | | 7154.75 |

b) Labour

| | | | | |
|-------------------------------|------|------|--------|---------|
| Mason Special | Each | 3.25 | 495.00 | 1608.75 |
| Man Mulia | Each | 3.25 | 345.00 | 1121.25 |
| Semiskileed Mulia for rubbing | Each | 7.60 | 385.00 | 0.00 |
| | | | | 2730.00 |

c) Overhead charges @ 7.5% on (a+b)

7.5% 9884.75 **741.36**

d) Contractor's Profit @ 7.5% on (a+b)

7.5% 9884.75 **741.36**

e) Carriage & Royalty

| | | | | |
|--|-------|---------|------------|----------------|
| 60cm x 60cm verified | Sqm | 10.000 | 28.28 | 282.77 |
| Sand | Cum | 0.150 | 1395.16 | 209.27 |
| Cement | Qntl. | 0.715 | 60.46 | 43.23 |
| Cement for slurry | Qntl. | 0.660 | 60.46 | 39.90 |
| | | | | 575.17 |
| Rate per 10 Sqm = a+b+c+d+e | | | | 11942.64 |
| Rate per 1 Sqm = (a+b+c+d+e)/10 | | | | 1194.26 |
| Add towards Labour Cess @ 1% | 1% | 1194.26 | | 11.94 |
| | | | | 1206.20 |
| | | | Say | 1206.20 |
| (A) For First Floor verified in dadoes | | | | |
| Rate as above | | | | 1206.20 |
| 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% | 15.69 | | 0.16 |
| | | | | 1222.05 |
| | | | Say | 1222.10 |
| (B) For Second Floor verified in dadoes | | | | |
| Rate as above | | | | 1222.05 |
| Add extra Labour | 5% | 286.65 | | 14.33 |
| Overhead Charges on extra labour | 7.5% | 14.33 | | 1.07 |
| Contractor's Profit | 7.5% | 14.33 | | 1.07 |
| Add towards extra Labour Cess @ 1% | 1% | 16.47 | | 0.16 |
| | | | | 1238.68 |
| | | | Say | 1238.70 |
| (C) For Third Floor verified in dadoes | | | | |
| Rate as above | | | | 1238.68 |
| Add extra Labour | 5% | 300.98 | | 15.05 |
| Overhead Charges on extra labour | 7.5% | 15.05 | | 1.13 |
| Contractor's Profit | 7.5% | 15.05 | | 1.13 |
| Add towards extra Labour Cess @ 1% | 1% | 17.31 | | 0.17 |
| | | | | 1256.16 |
| | | | Say | 1256.20 |
| (D) For Fourth Floor Jointless verified in dadoes | | | | |
| Rate as above | | | | 1256.16 |
| Add extra Labour | 5% | 316.03 | | 15.80 |
| Overhead Charges on extra labour | 7.5% | 15.80 | | 1.19 |
| Contractor's Profit | 7.5% | 15.80 | | 1.19 |
| Add towards extra Labour Cess @ 1% | 1% | 18.18 | | 0.18 |
| | | | | 1274.52 |
| | | | Say | 1274.50 |
| (E) For Fifth Floor Jointless verified in dadoes | | | | |
| Rate as above | | | | 1274.52 |
| Add extra Labour | 5% | 331.83 | | 16.59 |
| Overhead Charges on extra labour | 7.5% | 16.59 | | 1.24 |

| | | | |
|------------------------------------|------|------------|----------------|
| Contractor's Profit | 7.5% | 16.59 | 1.24 |
| Add towards extra Labour Cess @ 1% | 1% | 19.07 | 0.19 |
| | | | <u>1293.78</u> |
| | | Say | 1293.80 |

(D) For Sixth Floor Jointless verified in dados

| | | | |
|------------------------------------|------|------------|----------------|
| Rate as above | | | 1293.78 |
| Add extra Labour | 5% | 348.42 | 17.42 |
| Overhead Charges on extra labour | 7.5% | 17.42 | 1.31 |
| Contractor's Profit | 7.5% | 17.42 | 1.31 |
| Add towards extra Labour Cess @ 1% | 1% | 20.04 | 0.20 |
| | | | <u>1314.02</u> |
| | | Say | 1314.00 |

(E) For Seventh Floor Jointless verified in dados

| | | | |
|------------------------------------|------|------------|----------------|
| Rate as above | | | 1314.02 |
| Add extra Labour | 5% | 365.84 | 18.29 |
| Overhead Charges on extra labour | 7.5% | 18.29 | 1.37 |
| Contractor's Profit | 7.5% | 18.29 | 1.37 |
| Add towards extra Labour Cess @ 1% | 1% | 21.03 | 0.21 |
| | | | <u>1335.26</u> |
| | | Say | 1335.30 |

- 33** Supplying, fitting and fixing of Antiskid Ceramic Floor Tiles in flooring using special plain / printed series Ceramic Floor Tile of premium grade (having minimum thickness 7 mm to 8 mm & size 300 mm x300 mm, confirming to I.S 13755 of approved quality and shade in floors, treads on steps and landings on 20 m.m thick bed of cement mortar of mix (1:4) laid in proper slope and gradient with screened & washed sharp river sand for mortar and fixing with neat white cement slurry, grouting the joints with neat white cement slurry mixed with required quantities of pigments (Tiles are to be immersed in the water for required time before use) of approved make to match the shades of the Ceramic Floor Tiles if required including cost, conveyance, loading, unloading, stacking, royalties , all taxes, cost of all Labour, Labour cess , Sundries, T&P required for the work , Watering , Curing for required days , cleaning the flooring space manually etc. complete in all respect as directed by the Engineer-in-charge.

Unit = Sqm (S/R 2012- Other Building item-1(B))

Taking output = 10Sqm

a) Materials

| | | | | |
|---------------------------|-------|--------|---------|----------------|
| 30cm x 30cm ceramic Tiles | Sqm | 10.000 | 450.08 | 4500.80 |
| Sand | Cum | 0.210 | 76.88 | 16.14 |
| Cement | Qntl. | 0.744 | 459.94 | 342.20 |
| Cement for slurry | Qntl. | 0.330 | 459.94 | 151.78 |
| White Cement | Qntl. | 0.076 | 2017.18 | 153.31 |
| | | | | <u>5164.23</u> |

| | | | | |
|---|-------|--------|------------|----------------|
| b) Labour | | | | |
| Mason Special | Each | 2.16 | 495.00 | 1069.20 |
| Man Mulia | Each | 2.16 | 345.00 | 745.20 |
| | | | | 1814.40 |
| c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 6978.63 | 523.40 |
| d) Contractor's Profit @ 7.5% on (a+b) | | 7.5% | 6978.63 | 523.40 |
| e) Carriage & Royalty | | | | |
| 30cm x 30cm ceramic Tiles | Sqm | 10.000 | 28.28 | 282.77 |
| Sand | Cum | 0.210 | 1395.16 | 292.98 |
| Cement | Qntl. | 0.744 | 60.46 | 44.98 |
| Cement for slurry | Qntl. | 0.330 | 60.46 | 19.95 |
| White Cement | Qntl. | 0.076 | 60.46 | 4.59 |
| | | | | 645.27 |
| Rate per 10 Sqm = a+b+c+d+e | | | | 8670.70 |
| Rate per 1 Sqm =(a+b+c+d+e)/10 | | | | 867.07 |
| Add towards Labour Cess @ 1% | | 1% | 867.07 | 8.67 |
| | | | | 875.74 |
| | | | Say | 875.70 |

(A) For First Floor

| | | | | |
|------------------------------------|--|------|------------|---------------|
| Rate as above | | | | 875.74 |
| 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 |
| | | | | 886.27 |
| | | | Say | 886.30 |

(B) For Second Floor

| | | | | |
|------------------------------------|--|------|------------|---------------|
| Rate as above | | | | 886.27 |
| Add extra Labour | | 5% | 190.51 | 9.53 |
| Overhead Charges on extra labour | | 7.5% | 9.53 | 0.71 |
| Contractor's Profit | | 7.5% | 9.53 | 0.71 |
| Add towards extra Labour Cess @ 1% | | 1% | 10.95 | 0.11 |
| | | | | 897.33 |
| | | | Say | 897.30 |

- 35** Supplying, fitting & fixing of **30cm x 20cm Ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753** 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

Unit = Sqm (A/R 2006-Page No-90 item-17)

Taking output = 10Sqm

a) Materials

| | | | | |
|--------------------------------|-------|--------|--------|----------------|
| 30 cmx20 cm Ceramic wall tiles | Sqm | 10.000 | 405.20 | 4052.00 |
| Sand | Cum | 0.150 | 76.88 | 11.53 |
| Cement | Qntl. | 0.715 | 459.94 | 328.86 |
| Cement for slurry | Qntl. | 0.660 | 459.94 | 303.56 |
| | | | | 0.00 |
| | | | | 4695.95 |

b) Labour

| | | | | |
|-------------------------------|------|------|--------|----------------|
| Mason Special | Each | 3.25 | 495.00 | 1608.75 |
| Man Mulia | Each | 3.25 | 345.00 | 1121.25 |
| Semiskileed Mulia for rubbing | Each | 7.60 | 385.00 | 0.00 |
| | | | | 2730.00 |

c) Overhead charges @ 7.5% on (a+b)

7.5% 7425.95 **556.95**

d) Contractor's Profit @ 7.5% on (a+b)

7.5% 7425.95 **556.95**

e) Carriage & Royalty

| | | | | |
|--------------------------------|-------|--------|---------|---------------|
| 30 cmx20 cm Ceramic wall tiles | Sqm | 10.000 | 28.28 | 282.77 |
| Sand | Cum | 0.150 | 1395.16 | 209.27 |
| Cement | Qntl. | 0.715 | 60.46 | 43.23 |
| Cement for slurry | Qntl. | 0.660 | 60.46 | 39.90 |
| | | | | 575.17 |

Rate per 10 Sqm = a+b+c+d+e

9115.02

Rate per 1 Sqm = (a+b+c+d+e)/10

911.50

Add towards Labour Cess @ 1%

1% 911.50 **9.12**

920.62

Say 920.60

(A) For First Ceramic wall tiles

| | | | | |
|------------------------------------|------|--------|--|-------------------|
| Rate as above | | | | 920.62 |
| 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% | 15.69 | | 0.16 |
| | | | | 936.47 |
| | | | | Say 936.50 |

(B) For Second Ceramic wall tiles

| | | | | |
|------------------------------------|------|--------|--|-------------------|
| Rate as above | | | | 936.47 |
| Add extra Labour | 5% | 286.65 | | 14.33 |
| Overhead Charges on extra labour | 7.5% | 14.33 | | 1.07 |
| Contractor's Profit | 7.5% | 14.33 | | 1.07 |
| Add towards extra Labour Cess @ 1% | 1% | 16.47 | | 0.16 |
| | | | | 953.10 |
| | | | | Say 953.10 |

(C) For Third Ceramic wall tiles

| | | | | |
|------------------------------------|------|--------|--|---------------|
| Rate as above | | | | 953.10 |
| Add extra Labour | 5% | 300.98 | | 15.05 |
| Overhead Charges on extra labour | 7.5% | 15.05 | | 1.13 |
| Contractor's Profit | 7.5% | 15.05 | | 1.13 |
| Add towards extra Labour Cess @ 1% | 1% | 17.31 | | 0.17 |
| | | | | 992.58 |

| | | | |
|---|------|------------|----------------|
| | | | 970.58 |
| | | Say | 970.60 |
| (D) For Fourth Ceramic wall tiles | | | |
| Rate as above | | | 970.58 |
| Add extra Labour | 5% | 316.03 | 15.80 |
| Overhead Charges on extra labour | 7.5% | 15.80 | 1.19 |
| Contractor's Profit | 7.5% | 15.80 | 1.19 |
| Add towards extra Labour Cess @ 1% | 1% | 18.18 | 0.18 |
| | | | 988.94 |
| | | Say | 988.90 |
| (E) For Fifth Germ free Ceramic wall tiles | | | |
| Rate as above | | | 988.94 |
| Add extra Labour | 5% | 331.83 | 16.59 |
| Overhead Charges on extra labour | 7.5% | 16.59 | 1.24 |
| Contractor's Profit | 7.5% | 16.59 | 1.24 |
| Add towards extra Labour Cess @ 1% | 1% | 19.07 | 0.19 |
| | | | 1008.20 |
| | | Say | 1008.20 |
| (D) For Sixth Germ free Ceramic wall tiles | | | |
| Rate as above | | | 1008.20 |
| Add extra Labour | 5% | 348.42 | 17.42 |
| Overhead Charges on extra labour | 7.5% | 17.42 | 1.31 |
| Contractor's Profit | 7.5% | 17.42 | 1.31 |
| Add towards extra Labour Cess @ 1% | 1% | 20.04 | 0.20 |
| | | | 1028.44 |
| | | Say | 1028.40 |
| (E) For Seventh Germ free Ceramic wall tiles | | | |
| Rate as above | | | 1028.44 |
| Add extra Labour | 5% | 365.84 | 18.29 |
| Overhead Charges on extra labour | 7.5% | 18.29 | 1.37 |
| Contractor's Profit | 7.5% | 18.29 | 1.37 |
| Add towards extra Labour Cess @ 1% | 1% | 21.03 | 0.21 |
| | | | 1049.68 |
| | | Say | 1049.70 |

- 41 Supplying, fitting & fixing of 12 mm thick and size of 600x1200 mm Glazed Vitrified floor tiles (GVT) of matt finish(WOODEN FINISH/RUSTIC FINISH) with veilcraft (VC) shield / forever tiles (Scratch free/stain free) with water absorption limit between 0.08% to 3% and conforming to IS : 15622:2006 (Group B Ib). 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) & AR-2006/P-89/Item-16)

Taking output = 10Sqm

a) Materials

| | | | | |
|---|-------|--------|---------|-----------------|
| Kota Tiles of minimum 16mm thick & above 0.10 sqm | Sqm | 10.000 | 1173.23 | 11732.30 |
| Sand | Cum | 0.210 | 5.25 | 1.10 |
| Cement for fixing tiles | Qntl. | 0.744 | 0.00 | 0.00 |
| Cement for slurry | Qntl. | 0.330 | 0.00 | 0.00 |
| White Cement | Qntl. | 0.076 | 0.00 | 0.00 |
| | | | | 11733.40 |

b) Labour

| | | | | |
|--------------------------------|------|------|--------|----------------|
| Mason Special | Each | 2.16 | 495.00 | 1069.20 |
| Semi Skilled Mulia for rubbing | Each | 5.50 | 385.00 | |
| Man Mulia | Each | 2.16 | 345.00 | 745.20 |
| | | | | 1814.40 |

c) Overhead charges @ 7.5% on (a+b)

7.5% 13547.80 **1016.09**

d) Contractor's Profit @ 7.5% on (a+b)

7.5% 13547.80 **1016.09**

e) Carriage & Royalty

| | | | | |
|---|-------|--------|--------|--------------|
| Kota Tiles of minimum 16mm thick & above 0.10 sqm | | 10.000 | 0.00 | 0.00 |
| | Sqm | | | |
| Sand | Cum | 0.210 | 125.00 | 26.25 |
| Cement for fixing tiles | Qntl. | 0.744 | 0.00 | 0.00 |
| Cement for slurry | Qntl. | 0.330 | 0.00 | 0.00 |
| White Cement | Qntl. | 0.076 | 0.00 | 0.00 |
| | | | | 26.25 |

Rate per 10 Sqm = a+b+c+d+e

15606.23

Rate per 1 Sqm = (a+b+c+d+e)/10

1560.62

Add towards Labour Cess @ 1%

1% 1560.62 15.61

1576.23

Say 1576.20

(A) For First Floor 600x1200 mm GVT

| | | | | |
|------------------------------------|------|--------|--|--------------------|
| Rate as above | | | | 1576.23 |
| 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 |
| | | | | 1586.76 |
| | | | | Say 1586.80 |

(B) For Second Floor 600x1200 mm GVT

| | | | | |
|------------------------------------|------|--------|--|--------------------|
| Rate as above | | | | 1586.76 |
| Add extra Labour | 5% | 190.51 | | 9.53 |
| Overhead Charges on extra labour | 7.5% | 9.53 | | 0.71 |
| Contractor's Profit | 7.5% | 9.53 | | 0.71 |
| Add towards extra Labour Cess @ 1% | 1% | 10.95 | | 0.11 |
| | | | | 1597.82 |
| | | | | Say 1597.80 |

(C) For Third Floor 600x1200 mm GVT

| | | | |
|------------------------------------|------|------------|----------------|
| Rate as above | | | 1597.82 |
| Add extra Labour | 5% | 200.04 | 10.00 |
| Overhead Charges on extra labour | 7.5% | 10.00 | 0.75 |
| Contractor's Profit | 7.5% | 10.00 | 0.75 |
| Add towards extra Labour Cess @ 1% | 1% | 11.50 | 0.12 |
| | | | <u>1609.44</u> |
| | | Say | 1609.40 |

(A) For Fourth Floor 600x1200 mm GVT

| | | | |
|------------------------------------|------|------------|----------------|
| Rate as above | | | 1609.44 |
| Add extra Labour | 5% | 158.68 | 7.93 |
| Overhead Charges on extra labour | 7.5% | 7.93 | 0.59 |
| Contractor's Profit | 7.5% | 7.93 | 0.59 |
| Add towards extra Labour Cess @ 1% | 1% | 9.11 | 0.09 |
| | | | <u>1618.64</u> |
| | | Say | 1618.60 |

(B) For Fifth Floor 600x1200 mm GVT

| | | | |
|------------------------------------|------|------------|----------------|
| Rate as above | | | 1618.64 |
| Add extra Labour | 5% | 166.61 | 8.33 |
| Overhead Charges on extra labour | 7.5% | 8.33 | 0.62 |
| Contractor's Profit | 7.5% | 8.33 | 0.62 |
| Add towards extra Labour Cess @ 1% | 1% | 9.57 | 0.10 |
| | | | <u>1628.31</u> |
| | | Say | 1628.30 |

(C) For Sixth Floor 600x1200 mm GVT

| | | | |
|------------------------------------|------|------------|----------------|
| Rate as above | | | 1628.31 |
| Add extra Labour | 5% | 174.94 | 8.75 |
| Overhead Charges on extra labour | 7.5% | 8.75 | 0.66 |
| Contractor's Profit | 7.5% | 8.75 | 0.66 |
| Add towards extra Labour Cess @ 1% | 1% | 10.07 | 0.10 |
| | | | <u>1638.48</u> |
| | | Say | 1638.50 |

- 38 Supplying, fitting & fixing of Kota Tiles of minimum 16 mm thick Above 0.10 Sqm on 25mm thick bed of cement mortar (1:1) (1 cement : 1 course sand) jointed with neat cement slurry mixed with pigments to match the shades of the tiles including rubbing and polishing complete including cost of all materials, labour T&P etc required for the work all complete as per direction of the Engineer-in-charge.

Unit = Sqm (A/R 2006-Page No-89 item-16)

Taking output = 10Sqm

a) Materials

| | | | | |
|--|-----|--------|--------|---------|
| Kota Tiles of minimum 16 mm thick above 0.10 Sqm | Sqm | 10.000 | 500.20 | 5002.00 |
| Sand | Cum | 0.210 | 5.25 | 1.10 |

| | | | | |
|-------------------|-------|-------|---------|----------------|
| Cement | Qntl. | 0.744 | 0.00 | 0.00 |
| Cement for slurry | Qntl. | 0.330 | 0.00 | 0.00 |
| White Cement | Qntl. | 0.076 | 2017.18 | 153.31 |
| | | | | 5156.41 |

b) Labour

| | | | | |
|---------------|------|------|--------|----------------|
| Mason Special | Each | 2.16 | 495.00 | 1069.20 |
| Man Mulia | Each | 2.16 | 345.00 | 745.20 |
| | | | | 1814.40 |

c) Overhead charges @ 7.5% on (a+b)

7.5% 6970.81 **522.81**

d) Contractor's Profit @ 7.5% on (a+b)

7.5% 6970.81 **522.81**

e) Carriage & Royalty

| | | | | |
|--|-------|--------|--------|--------------|
| Kota Tiles of minimum 16 mm thick above 0.10 Sqm | | 10.000 | 0.00 | 0.00 |
| | Sqm | | | |
| Sand | Cum | 0.210 | 125.00 | 26.25 |
| Cement | Qntl. | 0.744 | 0.00 | 0.00 |
| Cement for slurry | Qntl. | 0.330 | 0.00 | 0.00 |
| White Cement | Qntl. | 0.076 | 0.00 | 0.00 |
| | | | | 26.25 |

Rate per 10 Sqm = a+b+c+d+e 8042.68

Rate per 1 Sqm = (a+b+c+d+e)/10 804.27

Add towards Labour Cess @ 1% 1% 804.27 8.04

812.31

Say 812.30

(A) For First Floor Kota tile

| | | | | |
|------------------------------------|------|--------|--|-------------------|
| Rate as above | | | | 812.31 |
| 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 |
| | | | | 822.84 |
| | | | | Say 822.80 |

(B) For Second Floor Kota tile

| | | | | |
|------------------------------------|------|--------|--|-------------------|
| Rate as above | | | | 822.84 |
| Add extra Labour | 5% | 190.51 | | 9.53 |
| Overhead Charges on extra labour | 7.5% | 9.53 | | 0.71 |
| Contractor's Profit | 7.5% | 9.53 | | 0.71 |
| Add towards extra Labour Cess @ 1% | 1% | 10.95 | | 0.11 |
| | | | | 833.90 |
| | | | | Say 833.90 |

© For Third Floor Kota tile

| | | | | |
|------------------------------------|------|--------|--|---------------|
| Rate as above | | | | 833.90 |
| Add extra Labour | 5% | 200.04 | | 10.00 |
| Overhead Charges on extra labour | 7.5% | 10.00 | | 0.75 |
| Contractor's Profit | 7.5% | 10.00 | | 0.75 |
| Add towards extra Labour Cess @ 1% | 1% | 11.50 | | 0.12 |
| | | | | 845.52 |

Say 845.50

- 42** Supplying, fitting & fixing of Kota Tiles of minimum 16mm thick and above 0.10 sqm of approved make in dadoes laid on 12 mm thick cement mortar (1:3) (1 cement : 3 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 (A/R 2006-Page No-90 item-17)

Taking output = 10Sqm

a) Materials

| | | | | |
|---|-------|--------|---------|----------------|
| Kota Tiles of minimum 16mm thick & above 0.10 sqm | | 10.000 | 500.20 | 5002.00 |
| | Sqm | | | |
| Sand | Cum | 0.450 | 5.25 | 2.36 |
| Cement | Qntl. | 0.330 | 0.00 | 0.00 |
| Cement for slurry | Qntl. | 0.330 | 0.00 | 0.00 |
| White cement | Qntl. | 0.076 | 2017.18 | 153.31 |
| | | | | 5157.67 |

b) Labour

| | | | | |
|---------------|------|------|--------|----------------|
| Mason Special | Each | 3.25 | 495.00 | 1608.75 |
| Man Mulia | Each | 3.25 | 345.00 | 1121.25 |
| | | | | 2730.00 |

c) Overhead charges @ 7.5% on (a+b)

7.5% 7887.67 **591.58**

d) Contractor's Profit @ 7.5% on (a+b)

7.5% 7887.67 **591.58**

e) Carriage & Royalty

| | | | | |
|---|-------|--------|--------|--------------|
| Kota Tiles of minimum 16mm thick & above 0.10 sqm | | 10.000 | 0.00 | 0.00 |
| | Sqm | | | |
| Sand | Cum | 0.450 | 125.00 | 56.25 |
| Cement | Qntl. | 0.330 | 0.00 | 0.00 |
| Cement for slurry | Qntl. | 0.330 | 0.00 | 0.00 |
| | | | | 56.25 |

Rate per 10 Sqm = a+b+c+d+e 9127.08

Rate per 1 Sqm = (a+b+c+d+e)/10 912.71

Add towards Labour Cess @ 1% 1% 912.71 9.13

921.84

Say 921.80

(A) For First Floor Kota Tiles in dadoes

| | | | | |
|------------------------------------|------|--------|--|--------|
| Rate as above | | | | 921.84 |
| 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% | 15.69 | | 0.16 |
| | | | | 937.69 |

Say 937.70

(B) For Second Floor Kota Tiles in dadoes

| | | | |
|------------------------------------|------|------------|---------------|
| Rate as above | | | 937.69 |
| Add extra Labour | 5% | 286.65 | 14.33 |
| Overhead Charges on extra labour | 7.5% | 14.33 | 1.07 |
| Contractor's Profit | 7.5% | 14.33 | 1.07 |
| Add towards extra Labour Cess @ 1% | 1% | 16.47 | 0.16 |
| | | | <u>954.32</u> |
| | | Say | 954.30 |

(C) For Third Floor Kota Tiles in dadoes

| | | | |
|------------------------------------|------|------------|---------------|
| Rate as above | | | 954.32 |
| Add extra Labour | 5% | 300.98 | 15.05 |
| Overhead Charges on extra labour | 7.5% | 15.05 | 1.13 |
| Contractor's Profit | 7.5% | 15.05 | 1.13 |
| Add towards extra Labour Cess @ 1% | 1% | 17.31 | 0.17 |
| | | | <u>971.80</u> |
| | | Say | 971.80 |

(C) For Fourth Floor Kota Tiles in dadoes

| | | | |
|------------------------------------|------|------------|---------------|
| Rate as above | | | 971.80 |
| Add extra Labour | 5% | 316.03 | 15.80 |
| Overhead Charges on extra labour | 7.5% | 15.80 | 1.19 |
| Contractor's Profit | 7.5% | 15.80 | 1.19 |
| Add towards extra Labour Cess @ 1% | 1% | 18.18 | 0.18 |
| | | | <u>990.16</u> |
| | | Say | 990.20 |

(C) For Fifth Floor Kota Tiles in dadoes

| | | | |
|------------------------------------|------|------------|----------------|
| Rate as above | | | 990.16 |
| Add extra Labour | 5% | 331.83 | 16.59 |
| Overhead Charges on extra labour | 7.5% | 16.59 | 1.24 |
| Contractor's Profit | 7.5% | 16.59 | 1.24 |
| Add towards extra Labour Cess @ 1% | 1% | 19.07 | 0.19 |
| | | | <u>1009.42</u> |
| | | Say | 1009.40 |

- 43** Supplying, fitting & fixing of Khandolite Tiles of minimum 16 mm thick Upto 0.06 Sqm on 25mm thick bed of cement mortar (1:1) (1 cement : 1 course sand) jointed with neat cement slurry mixed with pigments to match the shades of the tiles including rubbing and polishing complete including cost of all materials, labour T&P etc required for the work all complete as per direction of the Engineer-in-charge.

Unit = Sqm (A/R 2006-Page No-89 item-16)

Taking output = 10Sqm

a) Materials

| | | | | |
|--|-----|--------|--------|---------|
| Khandolite Tiles of minimum 16 mm thick above 0.06 Sqm | Sqm | 10.000 | 324.37 | 3243.70 |
| Sand | Cum | 0.210 | 5.25 | 1.10 |

| | | | | |
|--|-------|--------|------------|----------------|
| Cement | Qntl. | 0.744 | 0.00 | 0.00 |
| Cement for slurry | Qntl. | 0.330 | 0.00 | 0.00 |
| White Cement | Qntl. | 0.076 | 2017.18 | 153.31 |
| | | | | 3398.11 |
| b) Labour | | | | |
| Mason Special | Each | 2.16 | 495.00 | 1069.20 |
| Man Mulia | Each | 2.16 | 345.00 | 745.20 |
| | | | | 1814.40 |
| c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 5212.51 | 390.94 |
| d) Contractor's Profit @ 7.5% on (a+b) | | 7.5% | 5212.51 | 390.94 |
| e) Carriage & Royalty | | | | |
| Khandolite Tiles of minimum 16 mm thick above 0.06 Sqm | Sqm | 10.000 | 0.00 | 0.00 |
| Sand | Cum | 0.210 | 125.00 | 26.25 |
| Cement | Qntl. | 0.744 | 0.00 | 0.00 |
| Cement for slurry | Qntl. | 0.330 | 0.00 | 0.00 |
| White Cement | Qntl. | 0.076 | 0.00 | 0.00 |
| | | | | 26.25 |
| Rate per 10 Sqm = a+b+c+d+e | | | | 6020.64 |
| Rate per 1 Sqm =(a+b+c+d+e)/10 | | | | 602.06 |
| Add towards Labour Cess @ 1% | | 1% | 602.06 | 6.02 |
| | | | | 608.08 |
| | | | Say | 608.10 |
| (B) For First Floor Khandolite tile | | | | |
| Rate as above | | | | 608.08 |
| 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 |
| | | | | 618.61 |
| | | | Say | 618.60 |
| (B) For Second Floor Khandolite tile | | | | |
| Rate as above | | | | 618.61 |
| Add extra Labour | | 5% | 190.51 | 9.53 |
| Overhead Charges on extra labour | | 7.5% | 9.53 | 0.71 |
| Contractor's Profit | | 7.5% | 9.53 | 0.71 |
| Add towards extra Labour Cess @ 1% | | 1% | 10.95 | 0.11 |
| | | | | 629.67 |
| | | | Say | 629.70 |
| (C) For Third Floor Khandolite tile | | | | |
| Rate as above | | | | 629.67 |
| Add extra Labour | | 5% | 200.04 | 10.00 |
| Overhead Charges on extra labour | | 7.5% | 10.00 | 0.75 |
| Contractor's Profit | | 7.5% | 10.00 | 0.75 |
| Add towards extra Labour Cess @ 1% | | 1% | 11.50 | 0.12 |
| | | | | 641.29 |

Say 641.30

- 44** Supplying, fitting & fixing of Chequered tiles in floors of approved make 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 as per direction of the Engineer-in-charge

Unit = Sqm (S/R 2012- Other Building item-1(B))

Taking output = 10Sqm

a) Materials

| | | | | |
|---------------------|-------|--------|--------|----------------|
| Chequered tiles | Sqm | 10.000 | 578.35 | 5783.50 |
| Sand | Cum | 0.210 | 5.25 | 1.10 |
| Cement | Qntl. | 0.744 | 0.00 | 0.00 |
| Cement for slurry | Qntl. | 0.330 | 0.00 | 0.00 |
| Cement for grouting | Qntl. | 0.076 | 0.00 | 0.00 |
| | | | | 5784.60 |

b) Labour

| | | | | |
|---------------|------|------|--------|----------------|
| Mason Special | Each | 2.16 | 495.00 | 1069.20 |
| Man Mulia | Each | 2.16 | 345.00 | 745.20 |
| | | | | 1814.40 |

c) Overhead charges @ 7.5% on (a+b)

7.5% 7599.00 **569.93**

d) Contractor's Profit @ 7.5% on (a+b)

7.5% 7599.00 **569.93**

e) Carriage & Royalty

| | | | | |
|---------------------|-------|--------|--------|--------------|
| Chequered tiles | Sqm | 10.000 | 0.00 | 0.00 |
| Sand | Cum | 0.210 | 125.00 | 26.25 |
| Cement | Qntl. | 0.744 | 0.00 | 0.00 |
| Cement for slurry | Qntl. | 0.330 | 0.00 | 0.00 |
| Cement for grouting | Qntl. | 0.076 | 0.00 | 0.00 |
| | | | | 26.25 |

Rate per 10 Sqm = a+b+c+d+e

8765.11

Rate per 1 Sqm = (a+b+c+d+e)/10

876.51

Add towards Labour Cess @ 1%

1% 876.51 8.77

885.28

Say 885.30

(A) For First Floor Checkered Tiles in dadoes

| | | | | |
|------------------------------------|------|--|--------|------------------------------|
| Rate as above | | | | 885.28 |
| 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 |
| | | | | 895.81 |
| | | | | Say 895.80 |

- 46 Supplying, fitting & fixing of 25mm thick **GRC Paver Block** in floors of approved make 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 as per direction of the Engineer-in-charge

Unit = Sqm (S/R 2012- Other Building item-1(B))

Taking output = 10Sqm

a) Materials

| | | | | |
|---------------------|-------|--------|----------------|-----------------|
| GRC Paver Block | Sqm | 10.000 | 1186.16 | 11861.60 |
| Sand | Cum | 0.210 | 5.25 | 1.10 |
| Cement | Qntl. | 0.744 | 0.00 | 0.00 |
| Cement for slurry | Qntl. | 0.330 | 0.00 | 0.00 |
| Cement for grouting | Qntl. | 0.076 | 0.00 | 0.00 |
| | | | | 11862.70 |

b) Labour

| | | | | |
|---------------|------|------|--------|----------------|
| Mason Special | Each | 2.16 | 495.00 | 1069.20 |
| Man Mulia | Each | 2.16 | 345.00 | 745.20 |
| | | | | 1814.40 |

c) Overhead charges @ 7.5% on (a+b)

7.5% 13677.10 **1025.78**

d) Contractor's Profit @ 7.5% on (a+b)

7.5% 13677.10 **1025.78**

e) Carriage & Royalty

| | | | | |
|---------------------|-------|--------|--------|--------------|
| GRC Paver Block | Sqm | 10.000 | 0.00 | 0.00 |
| Sand | Cum | 0.210 | 125.00 | 26.25 |
| Cement | Qntl. | 0.744 | 0.00 | 0.00 |
| Cement for slurry | Qntl. | 0.330 | 0.00 | 0.00 |
| Cement for grouting | Qntl. | 0.076 | 0.00 | 0.00 |
| | | | | 26.25 |

Rate per 10 Sqm = a+b+c+d+e

15754.91

Rate per 1 Sqm = (a+b+c+d+e)/10

1575.49

Add towards Labour Cess @ 1%

1% 1575.49

1591.24

Say 1591.20

(A) For First Floor GRC Paver Block in Floors

| | | | | |
|------------------------------------|------|--------|--|--------------------|
| Rate as above | | | | 1591.24 |
| 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 |
| | | | | 1601.77 |
| | | | | Say 1601.80 |

(B) For Second Floor GRC Paver Block in Floors

| | | | | |
|----------------------------------|------|--------|--|---------|
| Rate as above | | | | 1601.77 |
| Add extra Labour | 5% | 190.51 | | 9.53 |
| Overhead Charges on extra labour | 7.5% | 9.53 | | 0.71 |

| | | | |
|------------------------------------|------|------------|----------------|
| Contractor's Profit | 7.5% | 9.53 | 0.71 |
| Add towards extra Labour Cess @ 1% | 1% | 10.95 | 0.11 |
| | | | <hr/> 1612.83 |
| | | Say | 1612.80 |

(C) For Third Floor GRC Paver Block in Floors

| | | | |
|------------------------------------|------|------------|----------------|
| Rate as above | | | 1612.83 |
| Add extra Labour | 5% | 200.04 | 10.00 |
| Overhead Charges on extra labour | 7.5% | 10.00 | 0.75 |
| Contractor's Profit | 7.5% | 10.00 | 0.75 |
| Add towards extra Labour Cess @ 1% | 1% | 11.50 | 0.12 |
| | | | <hr/> 1624.45 |
| | | Say | 1624.50 |

(D) For Fourth Floor GRC Paver Block in Floors

| | | | |
|------------------------------------|------|------------|----------------|
| Rate as above | | | 1624.45 |
| Add extra Labour | 5% | 210.04 | 10.50 |
| Overhead Charges on extra labour | 7.5% | 10.50 | 0.79 |
| Contractor's Profit | 7.5% | 10.50 | 0.79 |
| Add towards extra Labour Cess @ 1% | 1% | 12.08 | 0.12 |
| | | | <hr/> 1636.65 |
| | | Say | 1636.70 |

(E) For Fifth Floor GRC Paver Block in Floors

| | | | |
|------------------------------------|------|------------|----------------|
| Rate as above | | | 1636.65 |
| Add extra Labour | 5% | 220.54 | 11.03 |
| Overhead Charges on extra labour | 7.5% | 11.03 | 0.83 |
| Contractor's Profit | 7.5% | 11.03 | 0.83 |
| Add towards extra Labour Cess @ 1% | 1% | 12.69 | 0.13 |
| | | | <hr/> 1649.47 |
| | | Say | 1649.50 |

(F) For Sixth Floor GRC Paver Block in Floors

| | | | |
|------------------------------------|------|------------|----------------|
| Rate as above | | | 1649.47 |
| Add extra Labour | 5% | 231.57 | 11.58 |
| Overhead Charges on extra labour | 7.5% | 11.58 | 0.87 |
| Contractor's Profit | 7.5% | 11.58 | 0.87 |
| Add towards extra Labour Cess @ 1% | 1% | 13.32 | 0.13 |
| | | | <hr/> 1662.92 |
| | | Say | 1662.90 |

- 37 Supplying, fitting & fixing of **GRC Paver Block** of approved make laid on 12 mm thick cement mortar (1:3) (1 cement : 3 course sand) and filling joints with slurry including cost of all materials, labour T&P etc required for the work all complete as per direction of the Engineer-in-charge

Unit = Sqm (A/R 2006-Page No-90 item-17)

Taking output = 10Sqm

a) Materials

| | | | | |
|------------------------|-----|--------|----------------|----------|
| GRC Paver Block | Sqm | 10.000 | 1186.16 | 11861.60 |
|------------------------|-----|--------|----------------|----------|

| | | | | |
|-------------------|-------|-------|-------|-----------------|
| Sand | Cum | 0.150 | 76.88 | 11.53 |
| Cement | Qntl. | 0.715 | 0.00 | 0.00 |
| Cement for slurry | Qntl. | 0.660 | 0.00 | 0.00 |
| | | | | 11873.13 |

b) Labour

| | | | | |
|-------------------------------|------|------|--------|----------------|
| Mason Special | Each | 3.25 | 495.00 | 1608.75 |
| Man Mulia | Each | 3.25 | 345.00 | 1121.25 |
| Semiskileed Mulia for rubbing | Each | 7.60 | 385.00 | 0.00 |
| | | | | 2730.00 |

c) Overhead charges @ 7.5% on (a+b)

7.5% 14603.13 **1095.23**

d) Contractor's Profit @ 7.5% on (a+b)

7.5% 14603.13 **1095.23**

e) Carriage & Royalty

| | | | | |
|-------------------|-------|--------|--------|--------------|
| GRC Paver Block | Sqm | 10.000 | 0.00 | 0.00 |
| Sand | Cum | 0.150 | 125.00 | 18.75 |
| Cement | Qntl. | 0.715 | 0.00 | 0.00 |
| Cement for slurry | Qntl. | 0.660 | 0.00 | 0.00 |
| | | | | 18.75 |

Rate per 10 Sqm = a+b+c+d+e 16812.34

Rate per 1 Sqm = (a+b+c+d+e)/10 1681.23

Add towards Labour Cess @ 1% 1% 1681.23 16.81

1698.04

Say 1698.00

(A) For First Floor GRC Paver Block in Dadoes

| | | | | |
|------------------------------------|------|--------|--|--------------------|
| Rate as above | | | | 1698.04 |
| 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% | 15.69 | | 0.16 |
| | | | | 1713.89 |
| | | | | Say 1713.90 |

(B) For Second Floor GRC Paver Block in Dadoes

| | | | | |
|------------------------------------|------|--------|--|--------------------|
| Rate as above | | | | 1713.89 |
| Add extra Labour | 5% | 286.65 | | 14.33 |
| Overhead Charges on extra labour | 7.5% | 14.33 | | 1.07 |
| Contractor's Profit | 7.5% | 14.33 | | 1.07 |
| Add towards extra Labour Cess @ 1% | 1% | 16.47 | | 0.16 |
| | | | | 1730.52 |
| | | | | Say 1730.50 |

(C) For Third Floor GRC Paver Block in Dadoes

| | | | | |
|------------------------------------|------|--------|--|---------|
| Rate as above | | | | 1730.52 |
| Add extra Labour | 5% | 300.98 | | 15.05 |
| Overhead Charges on extra labour | 7.5% | 15.05 | | 1.13 |
| Contractor's Profit | 7.5% | 15.05 | | 1.13 |
| Add towards extra Labour Cess @ 1% | 1% | 17.31 | | 0.17 |
| | | | | 1764.15 |

| | | | |
|---|------|------------|----------------|
| | | | 1748.00 |
| | | Say | 1748.00 |
| (D) For Fourth Floor GRC Paver Block in Dadoes | | | |
| Rate as above | | | 1748.00 |
| Add extra Labour | 5% | 316.03 | 15.80 |
| Overhead Charges on extra labour | 7.5% | 15.80 | 1.19 |
| Contractor's Profit | 7.5% | 15.80 | 1.19 |
| Add towards extra Labour Cess @ 1% | 1% | 18.18 | 0.18 |
| | | | <hr/> |
| | | | 1766.36 |
| | | Say | 1766.40 |
| (E) For Fifth Floor GRC Paver Block in Dadoes | | | |
| Rate as above | | | 1766.36 |
| Add extra Labour | 5% | 331.83 | 16.59 |
| Overhead Charges on extra labour | 7.5% | 16.59 | 1.24 |
| Contractor's Profit | 7.5% | 16.59 | 1.24 |
| Add towards extra Labour Cess @ 1% | 1% | 19.07 | 0.19 |
| | | | <hr/> |
| | | | 1785.62 |
| | | Say | 1785.60 |

- 38** Supplying, fitting & fixing of Kota Tiles of minimum 16 mm thick Above 0.10 Sqm on 25mm thick bed of cement mortar (1:1) (1 cement : 1 course sand) jointed with neat cement slurry mixed with pigments to match the shades of the tiles including rubbing and polishing complete including cost of all materials, labour T&P etc required for the work all complete as per direction of the Engineer-in-charge.

Unit = Sqm (A/R 2006-Page No-89 item-16)

Taking output = 10Sqm

a) Materials

| | | | | |
|--|-------|--------|--------|----------------|
| Kota Tiles of minimum 16 mm thick above 0.10 Sqm | Sqm | 10.000 | 500.20 | 5002.00 |
| Sand | Cum | 0.130 | 5.25 | 0.68 |
| Cement | Qntl. | 1.857 | 0.00 | 0.00 |
| Cement for slurry | Qntl. | 0.440 | 0.00 | 0.00 |
| Cement for grouting | Qntl. | 0.440 | 0.00 | 0.00 |
| | | | | <hr/> |
| | | | | 5002.68 |

b) Labour

| | | | | |
|-------------------------------|------|------|--------|----------------|
| Mason Special | Each | 2.16 | 495.00 | 1069.20 |
| Semiskilled Mulia for rubbing | Each | 5.50 | 385.00 | 2117.50 |
| Man Mulia | Each | 2.16 | 345.00 | 745.20 |
| | | | | <hr/> |
| | | | | 3931.90 |

- | | | | |
|---|------|---------|---------------|
| c) Overhead charges @ 7.5% on (a+b) | 7.5% | 8934.58 | 670.09 |
| d) Contractor's Profit @ 7.5% on (a+b) | 7.5% | 8934.58 | 670.09 |
| e) Carriage & Royalty | | | |

| | | | | |
|--|-------|--------|------------|----------------|
| Kota Tiles of minimum 16 mm thick above 0.10 Sqm | | 10.000 | 0.00 | 0.00 |
| | Sqm | | | |
| Sand | Cum | 0.130 | 125.00 | 16.25 |
| Cement | Qntl. | 1.857 | 0.00 | 0.00 |
| Cement for slurry | Qntl. | 0.440 | 0.00 | 0.00 |
| Cement for grouting | Qntl. | 0.440 | 0.00 | 0.00 |
| | | | | 16.25 |
| Rate per 10 Sqm = a+b+c+d+e | | | | 10291.01 |
| Rate per 1 Sqm = (a+b+c+d+e)/10 | | | | 1029.10 |
| Add towards Labour Cess @ 1% | 1% | | 1029.10 | 10.29 |
| | | | | 1039.39 |
| | | | Say | 1039.40 |
| (A) For First Floor Kota tile | | | | |
| Rate as above | | | | 1039.39 |
| Add extra Labour | 5% | | 106.92 | 5.35 |
| Overhead Charges on extra labour | 7.5% | | 5.35 | 0.40 |
| Contractor's Profit | 7.5% | | 5.35 | 0.40 |
| Add towards extra Labour Cess @ 1% | 1% | | 6.15 | 0.06 |
| | | | | 1045.60 |
| | | | Say | 1045.60 |
| (B) For Second Floor Kota Tile | | | | |
| Rate as above | | | | 1045.60 |
| Add extra Labour | 5% | | 112.27 | 5.61 |
| Overhead Charges on extra labour | 7.5% | | 5.61 | 0.42 |
| Contractor's Profit | 7.5% | | 5.61 | 0.42 |
| Add towards extra Labour Cess @ 1% | 1% | | 6.45 | 0.06 |
| | | | | 1052.11 |
| | | | Say | 1052.10 |
| (C) For Third Floor Kota tile | | | | |
| Rate as above | | | | 1052.11 |
| Add extra Labour | 5% | | 117.88 | 5.89 |
| Overhead Charges on extra labour | 7.5% | | 5.89 | 0.44 |
| Contractor's Profit | 7.5% | | 5.89 | 0.44 |
| Add towards extra Labour Cess @ 1% | 1% | | 6.77 | 0.07 |
| | | | | 1058.95 |
| | | | Say | 1059.00 |
| (D) For Fourth Floor Kota tile | | | | |
| Rate as above | | | | 1058.95 |
| Add extra Labour | 5% | | 123.77 | 6.19 |
| Overhead Charges on extra labour | 7.5% | | 6.19 | 0.46 |
| Contractor's Profit | 7.5% | | 6.19 | 0.46 |
| Add towards extra Labour Cess @ 1% | 1% | | 7.11 | 0.07 |
| | | | | 1066.13 |
| | | | Say | 1066.10 |
| (E) For Fifth Floor Kota tile | | | | |
| Rate as above | | | | 1066.13 |

| | | | |
|------------------------------------|------|------------|----------------|
| Add extra Labour | 5% | 129.96 | 6.50 |
| Overhead Charges on extra labour | 7.5% | 6.50 | 0.49 |
| Contractor's Profit | 7.5% | 6.50 | 0.49 |
| Add towards extra Labour Cess @ 1% | 1% | 7.48 | 0.07 |
| | | | <hr/> 1073.68 |
| | | Say | 1073.70 |

(E) For Sixth Floor Kota tile

| | | | |
|------------------------------------|------|------------|----------------|
| Rate as above | | | 1073.68 |
| Add extra Labour | 5% | 136.46 | 6.82 |
| Overhead Charges on extra labour | 7.5% | 6.82 | 0.51 |
| Contractor's Profit | 7.5% | 6.82 | 0.51 |
| Add towards extra Labour Cess @ 1% | 1% | 7.84 | 0.08 |
| | | | <hr/> 1081.60 |
| | | Say | 1081.60 |

- 38** Supplying, fitting & fixing of Kota Tiles of minimum 16 mm thick above 0.10 Sqm in dados laid on 12 mm thick cement mortar (1:3) (1 cement : 3 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 (A/R 2006-Page No-90 item-17)

Taking output = 10Sqm

a) Materials

| | | | | |
|-----------------------------------|-------|--------|--------|---------------|
| Kota Tiles of minimum 16 mm thick | Sqm | 10.000 | 500.20 | 5002.00 |
| Sand | Cum | 0.150 | 5.25 | 0.79 |
| Cement | Qntl. | 0.715 | 0.00 | 0.00 |
| Cement for slurry | Qntl. | 0.660 | 0.00 | 0.00 |
| | | | | <hr/> 5002.79 |

b) Labour

| | | | | |
|-------------------------------|------|------|--------|---------------|
| Mason Special | Each | 3.25 | 495.00 | 1608.75 |
| Semiskilled Mulia for rubbing | Each | 7.60 | 385.00 | 2926.00 |
| Man Mulia | Each | 3.25 | 345.00 | 1121.25 |
| | | | | <hr/> 5656.00 |

c) Overhead charges @ 7.5% on (a+b)

7.5% 10658.79 **799.41**

d) Contractor's Profit @ 7.5% on (a+b)

7.5% 10658.79 **799.41**

e) Carriage & Royalty

| | | | | |
|-----------------------------------|-------|--------|--------|-------------|
| Kota Tiles of minimum 16 mm thick | Sqm | 10.000 | 0.00 | 0.00 |
| Sand | Cum | 0.150 | 125.00 | 18.75 |
| Cement | Qntl. | 0.715 | 0.00 | 0.00 |
| Cement for slurry | Qntl. | 0.660 | 0.00 | 0.00 |
| | | | | <hr/> 18.75 |

Rate per 10 Sqm = a+b+c+d+e

12276.36

Rate per 1 Sqm = (a+b+c+d+e)/10

1227.64

Add towards Labour Cess @ 1%

1% 1227.64

12.28

| | | | |
|--|------|------------|----------------|
| | | | 1239.92 |
| | | Say | 1239.90 |
| (A) For First Floor Kota Tiles in dadoos | | | |
| Rate as above | | | 1239.92 |
| Add extra Labour | 5% | 160.88 | 8.04 |
| Overhead Charges on extra labour | 7.5% | 8.04 | 0.60 |
| Contractor's Profit | 7.5% | 8.04 | 0.60 |
| Add towards extra Labour Cess @ 1% | 1% | 9.24 | 0.09 |
| | | | 1249.25 |
| | | Say | 1249.30 |
| (B) For Second Floor Kota Tiles in dadoos | | | |
| Rate as above | | | 1249.25 |
| Add extra Labour | 5% | 168.92 | 8.45 |
| Overhead Charges on extra labour | 7.5% | 8.45 | 0.63 |
| Contractor's Profit | 7.5% | 8.45 | 0.63 |
| Add towards extra Labour Cess @ 1% | 1% | 9.71 | 0.10 |
| | | | 1259.06 |
| | | Say | 1259.10 |
| (C) For Third Floor Kota Tiles in dadoos | | | |
| Rate as above | | | 1259.06 |
| Add extra Labour | 5% | 177.37 | 8.87 |
| Overhead Charges on extra labour | 7.5% | 8.87 | 0.67 |
| Contractor's Profit | 7.5% | 8.87 | 0.67 |
| Add towards extra Labour Cess @ 1% | 1% | 10.21 | 0.10 |
| | | | 1269.37 |
| | | Say | 1269.40 |
| (D) For Fourth Floor Kota Tiles in dadoos | | | |
| Rate as above | | | 1269.37 |
| Add extra Labour | 5% | 186.24 | 9.31 |
| Overhead Charges on extra labour | 7.5% | 9.31 | 0.70 |
| Contractor's Profit | 7.5% | 9.31 | 0.70 |
| Add towards extra Labour Cess @ 1% | 1% | 10.71 | 0.11 |
| | | | 1280.19 |
| | | Say | 1280.20 |
| (E) For Fifth Floor Kota Tiles in dadoos | | | |
| Rate as above | | | 1280.19 |
| Add extra Labour | 5% | 195.55 | 9.78 |
| Overhead Charges on extra labour | 7.5% | 9.78 | 0.73 |
| Contractor's Profit | 7.5% | 9.78 | 0.73 |
| Add towards extra Labour Cess @ 1% | 1% | 11.24 | 0.11 |
| | | | 1291.54 |
| | | Say | 1291.50 |
| (E) For Sixth Floor Kota Tiles in dadoos | | | |
| Rate as above | | | 1291.54 |
| Add extra Labour | 5% | 205.33 | 10.27 |
| Overhead Charges on extra labour | 7.5% | 10.27 | 0.77 |

| | | | |
|------------------------------------|------|------------|----------------|
| Contractor's Profit | 7.5% | 10.27 | 0.77 |
| Add towards extra Labour Cess @ 1% | 1% | 11.81 | 0.12 |
| | | | <hr/> 1303.47 |
| | | Say | 1303.50 |

29

Providing fitting fixing of **false ceiling** with Aluminium anodised T section No.3215 with 2'0" center to center, L section No.1705 on 4 walls to be fixed by means of steel screw and P.V.C. plug and the Aluminium grid 2'0"x2'0" with **9 mm thick Prelaminated particle board** (Novapan standard type) (I.S.I.) suspended from ceiling including cost of all materials, labour T&P etc required for the work all complete as per direction of the Engineer-in-charge

Unit = Sqm (S/R 2012- Other Building item-6)

Taking output = 14'6" x 14'6" = 210.25 sft or 19.53Sqm

a) Materials

| | | | | |
|---|------|-------------|--------|-----------------|
| Aluminium T section No.3215 =16 x 4.41 = 70.56mtr @ 0.258g/mtr = 18.20 kg | Kg | 18.20 | | |
| Perimeter Angle section No.1785 = 17.64mtr @ 0.233 kg/m = 4.11 kg | Kg | 4.11 | | |
| | Kg | <hr/> 22.31 | | |
| Wastage 5% | Kg | 1.12 | | |
| Total | Kg | <hr/> 23.43 | 619.50 | 14514.89 |
| P.V.C. rawl plug | Each | 42.00 | 7.00 | 294.00 |
| 9" connecting hooks with nuts and washer | Each | 42.00 | 5.50 | 231.00 |
| G.I. wire | Kg | 2.00 | 40.00 | 80.00 |
| 9 mm thick Prelaminated particle board (Novapan standard type) (I.S.I.) | Sqm | 20.59 | 0.00 | 0.00 |
| 65mm PVC plug | Each | 50.00 | 0.60 | 30.00 |
| Screws 50mm x 8mm | Each | 50.00 | 0.83 | 41.52 |
| Hire charges of drill machine | Day | 1.50 | 100.00 | 150.00 |
| | | | | 15341.41 |

b) Labour

| | | | | |
|---------------------|------|------|--------|---------------|
| Carpenter 1st Class | Each | 5.00 | 495.00 | 2475.00 |
| Man Mulia | Each | 5.00 | 345.00 | 1725.00 |
| | | | | <hr/> 4200.00 |

c) Overhead charges @ 7.5% on (a+b) 7.5% 19541.41 **1465.61**

d) Contractor's Profit @ 7.5% on (a+b) 7.5% 19541.41 **1465.61**

Total 22472.63

Rate per 1 Sqm 1150.67

Add towards Labour Cess @ 1% 1% 1150.67 11.51

1162.18

Say 1162.20

- 47 Providing fitting fixing of **false ceiling** with Aluminium anodised T section No.3215 with 2'0" center to center, L section No.1705 on 4 walls to be fixed by means of steel screw and P.V.C. plug and the Aluminium grid 2'0"x2'0" with 12mm thick Prelaminated Particle Board suspended from ceiling including cost of all materials, labour T&P etc required for the work all complete as per direction of the Engineer-in-charge

Unit = Sqm (S/R 2012- Other Building item-6)

Taking output = 14'6" x 14'6" = 210.25 sft or 19.53Sqm

a) Materials

| | | | | |
|--|------|--------------|--------|-----------------|
| Aluminium T section No.3215 =16 x 4.41 = 70.56mtr @ 0.258g/mtr = 18.20 kg | Kg | 18.20 | | |
| Perimeter Angle section No.1785 = 17.64mtr @ 0.233 kg/m = 4.11 kg | Kg | 4.11 | | |
| | Kg | <u>22.31</u> | | |
| Wastage 5% | Kg | 1.12 | | |
| Total | Kg | 23.43 | 619.50 | 14514.89 |
| P.V.C. rawl plug | Each | 42.00 | 7.00 | 294.00 |
| 9" connecting hooks with nuts and washer | Each | 42.00 | 5.50 | 231.00 |
| G.I. wire | Kg | 2.00 | 40.00 | 80.00 |
| 12mm thick Prelaminated Particle Board | Sqm | 20.59 | 634.45 | 13063.33 |
| 65mm PVC plug | Each | 50.00 | 0.60 | 30.00 |
| Screws 50mm x 8mm | Each | 50.00 | 0.83 | 41.52 |
| Hire charges of drill machine | Day | 1.50 | 100.00 | 150.00 |
| | | | | 28404.74 |

b) Labour

| | | | | |
|---------------------|------|------|--------|----------------|
| Carpenter 1st Class | Each | 5.00 | 495.00 | 2475.00 |
| Man Mulia | Each | 5.00 | 345.00 | 1725.00 |
| | | | | <u>4200.00</u> |

c) Overhead charges @ 7.5% on (a+b) 7.5% 32604.74 **2445.36**

d) Contractor's Profit @ 7.5% on (a+b) 7.5% 32604.74 **2445.36**

Total 37495.46

Rate per 1 Sqm 1919.89

Add towards Labour Cess @ 1% 1% 1919.89 19.20

1939.09

Say 1939.10

- 39 Supplying fitting and fixing of stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mm x 32mm x 2mm @ 0.90 mtrs C/C and stainless square pipe bracing of size 32mm x 32mm x 2mm in 3 rows in staircase as per approved design and specification, buffing, polishing etc with coist, conveyance, taxes of all materials, labour and T&P required for the work all complete in all respect

Unit = Kg (S/R 2012- Other Building item-11) @ 10.4785 Kg/Rm

Taking output = 3.26 Mtr = 34.16 Kg.

a) Materials

| | | | | |
|---|-----|-------|---------|----------------|
| Raling 50mm outer dia of 2mm thick 3.26 mtr @ 3.50kg/mtr = 1.41 Kg | Kg | 11.41 | 204.46 | 2332.89 |
| Balustrade of size 32mm x 32mm x 2mm (4 x 0.90m) =3.60 mtr @ 1.70kg/mtr = 6.12 Kg | Kg | 6.12 | 218.40 | 1336.61 |
| Stainless squre pipe of size 32mm x32mm x2mm in 3 rows(3x3.26m) =9.78 mrt @ 1.70kg/mtr = 16.63 Kg | Kg | 16.63 | 218.40 | 3631.99 |
| Fabrication | Kg | 34.16 | 9.62 | 328.62 |
| Buffing, Polishing etc. @ 2% | Day | 2% | 7301.49 | 146.03 |
| | | | | 7776.14 |

b) Labour

| | | | | |
|---------------------|------|------|--------|---------------|
| High Skilled Labour | Each | 0.89 | 495.00 | 440.55 |
| Semi Skilled Labour | Each | 0.89 | 385.00 | 342.65 |
| | | | | 783.20 |

c) Overhead charges @ 7.5% on (a+b)

7.5% 8559.34 **641.95**

d) Contractor's Profit @ 7.5% on (a+b)

7.5% 8559.34 **641.95**

Rate per 34.16 Kg. = a+b+c+d

9843.24

Rate per 1 kg. =(a+b+c+d)/34.16

288.15

Add towards Labour Cess @ 1%

1% 288.15

291.03

Say 291.00

- 40 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

Unit = Kg (S/R 2012- Other Building item-7)

Taking output=4'0"x4'0" = 16Sft or 1.49 Sqm=7.28Kg.

@ 4.8859 Kg/sqm

a) Materials

| | | | | |
|---|------------|----------------|---------|----------------|
| AL section Bottom frame No 4095 = 1.2m @ 0.875kg/m | Kg | 1.05000 | | |
| AL section Top & side frame No 4096 = 3.6m @ 0.747kg/m | Kg | 2.68920 | | |
| Inter lock AL section No 9778 = 2.4m @ 0.609kg/m | Kg | 1.46160 | | |
| Vertical Shutter Section No 3994 = 2.4m @ 0.379kg/m | Kg | 0.90960 | | |
| Horizontal Shutter Section No 9777 = 2.4m @ 0.489kg/m | Kg | 1.17360 | | |
| | Kg | <u>7.28400</u> | | |
| Wastage 5% | Kg | 0.36420 | | |
| | Kg | <u>7.64820</u> | | |
| | Say Kg | 7.65 | 619.50 | 4739.18 |
| Pvc plug | Each | 8.00 | 1.50 | 12.00 |
| Al screws of different size | L.S | | | 30.00 |
| U rubber beading | Mtr. | 9.75 | 15.00 | 146.25 |
| Window pile | Mtr. | 7.50 | 10.00 | 75.00 |
| Al wheel runner | Each | 8.00 | 25.00 | 200.00 |
| Handle with lock | Each | 2.00 | 40.00 | 80.00 |
| Hire charge of drills machine | Day | 1.00 | 100.00 | 100.00 |
| | | | | 5382.43 |
| b) Labour | | | | |
| Carpenter 1st Class | Each | 0.50 | 495.00 | 247.50 |
| Fitter 2nd Class | Each | 0.50 | 435.00 | 217.50 |
| Helper to Carpenter | Each | 1.50 | 385.00 | 577.50 |
| Mulia | Each | 1.50 | 345.00 | 517.50 |
| | | | | <u>1560.00</u> |
| c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 6942.43 | 520.68 |
| d) Contractor's Profit @ 7.5% on (a+b) | | 7.5% | 6942.43 | 520.68 |
| Rate per 7.28 Kg. = a+b+c+d | | | | 7983.79 |
| Rate per 1 kg. =(a+b+c+d)/7.28 | | | | 1096.67 |
| Add towards Labour Cess @ 1% | | 1% | 1096.67 | 10.97 |
| | | | | <u>1107.64</u> |
| | Say | | | 1107.60 |

- 41 Dressed seasoned sal wood work framed and fixed (wrought and put up) in frames of doors, windows & ventilabours

Unit = Cum (A/R 2006-Page No-132 item-2)

Taking output = 0.028 Cum

a) Materials

| | | | | |
|-------------------------|-----|-------|----------|----------------|
| Sal wood scantling sawn | Cum | 0.028 | 53035.75 | 1485.00 |
| | | | | <u>1485.00</u> |

b) Labour

| | | | | |
|-------------------|------|------|--------|--------|
| Carpenter Special | Each | 0.50 | 495.00 | 247.50 |
| Man Mulia | Each | 0.50 | 345.00 | 172.50 |

| | | | | |
|---|-----|-------|------------|-----------------|
| | | | | 420.00 |
| c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 1905.00 | 142.88 |
| d) Contractor's Profit @ 7.5% on (a+b) | | 7.5% | 1905.00 | 142.88 |
| e) Carriage of wood @ 169.00/1.25 cum | Cum | 0.028 | 135.20 | 3.79 |
| | | | | 3.79 |
| Rate per 0.028 Cum = a+b+c+d+e | | | | 2194.55 |
| Rate per 1 Cum = (a+b+c+d+e)/0.028 | | | | 78376.79 |
| Add towards Labour Cess @ 1% | | 1% | 78376.79 | 783.77 |
| | | | | 79160.56 |
| | | | Say | 79160.60 |

- 52 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

Unit = Sqm (A/R 2006-Page No-132 item-3)

Taking output = 1.88 Sqm

a) Materials

| | | | | |
|---------------------------------|------|---------|----------|----------------|
| Piasal wood planks for shutters | Cum | 0.06656 | 74369.67 | 4950.05 |
| Wooden hinged cleats | Each | 2.00 | 12.50 | 25.00 |
| | | | | 4975.05 |

b) Labour

Making Shutters

Carpenter Special =2 nos. x Rs. 205.00 =Rs.410.00

Helper to Carpenter= 2 nos. x Rs.170.00=Rs.340.00

Rs. 750.00

| | | | | |
|------------------------|------|------|------------|----------------|
| | Sqm | 1.88 | Rs. 750.00 | 1410.00 |
| <u>Fixing Shutters</u> | | | | |
| Carpenter 2nd Class | Each | 1.00 | 435.00 | 435.00 |
| Man Mulia | Each | 1.00 | 345.00 | 345.00 |
| | | | | 2190.00 |

| | | | | |
|--|-----|---------|---------|---------------|
| c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 7165.05 | 537.38 |
| d) Contractor's Profit @ 7.5% on (a+b) | | 7.5% | 7165.05 | 537.38 |
| e) Carriage of wood @ 147.00/1.25 cum | Cum | 0.06656 | 117.60 | 7.83 |
| | | | | 7.83 |

Rate per 1.88 Sqm = a+b+c+d+e 8247.64

Rate per 1 Sqm = (a+b+c+d+e)/1.88 **4387.04**

e) Fitting & Fixing of Iron Materials

| | | | | |
|------------------|------|---|-------|--------|
| Butt Hinges 75mm | Each | 6 | 12.10 | 72.60 |
| Handle 125mm | Each | 2 | 35.15 | 70.30 |
| Tower Bolt 250mm | Each | 2 | 72.31 | 144.62 |
| Aldrop 250mm | Each | 2 | 0.00 | 0.00 |

| | | | | |
|---|---------|----|------------|----------------|
| Screw 12mm x4mm for Hinges 6 Nos. | Each | 48 | 0.34 | 16.51 |
| Screw 12mm x 4mm for Tower Bolts 2 Nos. | Each | 20 | 0.34 | 6.88 |
| Screw 50mm x 8mm for Aldrop 2 Nos. | Each | 32 | 0.83 | 26.57 |
| Rate per 1.88 Sqm | | | | 337.48 |
| Rate per 1 Sqm | | | | 179.51 |
| Total Rate per 1 Sqm | 4387.04 | + | 179.51 | 4566.55 |
| Add towards Labour Cess @ 1% | | 1% | 4566.55 | 45.67 |
| | | | | 4612.22 |
| | | | Say | 4612.20 |

- 42 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

Unit = Kg.

Taking output = 1 Kg.

| | | | | |
|---|-----|-------|------------|--------------|
| Cost of Grill as per EPM Rate | kg | 1.00 | 55 | 55.00 |
| Labour for fixing-Taking 3 kg/Sft i.e 32.28 kg/sqm as per S/R-2006 item-6 | sqm | 67.40 | 32.28 | 2.09 |
| | | | Total Rs | 57.09 |
| Overhead charges @ 7.5% on (a+b) | | 7.5% | 57.09 | |
| Contracor's Profit @ 7.5% on (a+b) | | 7.5% | 57.09 | 4.28 |
| Carriage | kg | | 247.87 | 0.25 |
| | | | | 61.62 |
| Add towards Labour Cess @ 1% | | 1% | 61.62 | 0.62 |
| | | | | 62.24 |
| | | | Say | 62.20 |

- 54 Providing 12 mm thick expansion jointboard

Taking output = 12m x300mm deep=3.6sqm

| | | | | |
|------------------------------------|-------|------|------------|--------------|
| Cost of material | 3.600 | sqm | 0.00 | - |
| Labour for fitting | | | | |
| Mate | 0.01 | Nos | 385.00 | 3.85 |
| Mulia | 0.20 | | 345.00 | 69.00 |
| Mulia skilled | 0.10 | Nos | 435.00 | 43.50 |
| | | | | 116.35 |
| Cost per 1 sqm | | | | 32.32 |
| Overhead charges @ 7.5% on (a+b) | | 7.5% | 32.32 | 2.42 |
| Contracor's Profit @ 7.5% on (a+b) | | 7.5% | 32.32 | 2.42 |
| | | | | 37.16 |
| Add towards Labour Cess @ 1% | | 1% | 37.16 | 0.37 |
| | | | | 37.53 |
| | | | Say | 37.50 |

- 55 Cement washing 1coat (Per 1 Sqm)

Unit = Sqm (A/R 2006-Page No-113 item-40)

Data for 93 Sqm

a) Materials

| | | | | |
|--|------|-------|------------|---------------|
| Cement | Qtl | 1.001 | 0.00 | 0.00 |
| | | | | 0.00 |
| b) Labour | | | | |
| Painter 2nd Class | Each | 0.75 | 435.00 | 326.25 |
| Man Mulia | Each | 0.55 | 345.00 | 189.75 |
| | | | | 516.00 |
| c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 516.00 | 38.70 |
| d) Contracor's Profit @ 7.5% on (a+b) | | 7.5% | 516.00 | 38.70 |
| Rate per 93 Sqm = a+b+c+d | | | | 593.40 |
| Rate per 1 Sqm = (a+b+c+d)/93 | | | | 6.38 |
| Add towards Labour Cess @ 1% | | 1% | 6.38 | 0.06 |
| | | | | 6.44 |
| | | | Say | 6.40 |
| (A) For First Floor (OUTSIDE) | | | | |
| Rate as above | | | | 6.44 |
| Add extra Labour | | 5% | 5.55 | 0.28 |
| Overhead Charges on extra labour | | 7.5% | 0.28 | 0.02 |
| Contractor's Profit | | 7.5% | 0.28 | 0.02 |
| Add towards extra Labour Cess @ 1% | | 1% | 0.32 | 0.00 |
| | | | | 6.76 |
| | | | Say | 6.80 |
| (B) For Second Floor | | | | |
| Rate as above | | | | 6.76 |
| Add extra Labour | | 5% | 5.83 | 0.29 |
| Overhead Charges on extra labour | | 7.5% | 0.29 | 0.02 |
| Contractor's Profit | | 7.5% | 0.29 | 0.02 |
| Add towards extra Labour Cess @ 1% | | 1% | 0.33 | 0.00 |
| | | | | 7.09 |
| | | | Say | 7.10 |
| (C) For Third Floor | | | | |
| Rate as above | | | | 7.09 |
| Add extra Labour | | 5% | 6.12 | 0.31 |
| Overhead Charges on extra labour | | 7.5% | 0.31 | 0.02 |
| Contractor's Profit | | 7.5% | 0.31 | 0.02 |
| Add towards extra Labour Cess @ 1% | | 1% | 0.35 | 0.00 |
| | | | | 7.44 |
| | | | Say | 7.40 |
| (C) For Fourth Floor | | | | |
| Rate as above | | | | 7.44 |
| Add extra Labour | | 5% | 6.43 | 0.32 |
| Overhead Charges on extra labour | | 7.5% | 0.32 | 0.02 |
| Contractor's Profit | | 7.5% | 0.32 | 0.02 |
| Add towards extra Labour Cess @ 1% | | 1% | 0.36 | 0.00 |
| | | | | 7.80 |
| | | | Say | 7.80 |
| (C) For Fifth Floor | | | | |

| | | | |
|-------------------------------------|------|------------|-------------|
| Rate as above | | | 7.80 |
| Add extra Labour | 5% | 6.75 | 0.34 |
| Overhead Charges on extra labour | 7.5% | 0.34 | 0.03 |
| Contractor's Profit | 7.5% | 0.34 | 0.03 |
| Add towards extra Labour Cess @ 1% | 1% | 0.40 | 0.00 |
| | | | <hr/> |
| | | | 8.20 |
| | | Say | 8.20 |
| (A) For First Floor (INSIDE) | | | |
| Rate as above | | | 6.44 |
| Add extra Labour | 3% | 5.55 | 0.17 |
| Overhead Charges on extra labour | 7.5% | 0.17 | 0.01 |
| Contractor's Profit | 7.5% | 0.17 | 0.01 |
| Add towards extra Labour Cess @ 1% | 1% | 0.19 | 0.00 |
| | | | <hr/> |
| | | | 6.63 |
| | | Say | 6.60 |
| (B) For Second Floor | | | |
| Rate as above | | | 6.63 |
| Add extra Labour | 3% | 5.72 | 0.17 |
| Overhead Charges on extra labour | 7.5% | 0.17 | 0.01 |
| Contractor's Profit | 7.5% | 0.17 | 0.01 |
| Add towards extra Labour Cess @ 1% | 1% | 0.19 | 0.00 |
| | | | <hr/> |
| | | | 6.82 |
| | | Say | 6.80 |
| (C) For Third Floor | | | |
| Rate as above | | | 6.82 |
| Add extra Labour | 3% | 5.89 | 0.18 |
| Overhead Charges on extra labour | 7.5% | 0.18 | 0.01 |
| Contractor's Profit | 7.5% | 0.18 | 0.01 |
| Add towards extra Labour Cess @ 1% | 1% | 0.20 | 0.00 |
| | | | <hr/> |
| | | | 7.02 |
| | | Say | 7.00 |
| (C) For Fourth Floor | | | |
| Rate as above | | | 7.02 |
| Add extra Labour | 3% | 6.07 | 0.18 |
| Overhead Charges on extra labour | 7.5% | 0.18 | 0.01 |
| Contractor's Profit | 7.5% | 0.18 | 0.01 |
| Add towards extra Labour Cess @ 1% | 1% | 0.20 | 0.00 |
| | | | <hr/> |
| | | | 7.22 |
| | | Say | 7.20 |
| (C) For Fifth Floor | | | |
| Rate as above | | | 7.22 |
| Add extra Labour | 3% | 6.25 | 0.19 |
| Overhead Charges on extra labour | 7.5% | 0.19 | 0.01 |
| Contractor's Profit | 7.5% | 0.19 | 0.01 |
| Add towards extra Labour Cess @ 1% | 1% | 0.21 | 0.00 |
| | | | <hr/> |
| | | | 7.43 |

| | | | | |
|------------------------------------|------|------|------------|-------------|
| | | | Say | 7.40 |
| (C) For Sixth Floor | | | | |
| Rate as above | | | | 7.43 |
| Add extra Labour | 3% | 6.44 | | 0.19 |
| Overhead Charges on extra labour | 7.5% | 0.19 | | 0.01 |
| Contractor's Profit | 7.5% | 0.19 | | 0.01 |
| Add towards extra Labour Cess @ 1% | 1% | 0.21 | | 0.00 |
| | | | | 7.64 |
| | | | Say | 7.60 |
| (C) For Seventh Floor | | | | |
| Rate as above | | | | 7.64 |
| Add extra Labour | 3% | 6.63 | | 0.20 |
| Overhead Charges on extra labour | 7.5% | 0.20 | | 0.02 |
| Contractor's Profit | 7.5% | 0.20 | | 0.02 |
| Add towards extra Labour Cess @ 1% | 1% | 0.24 | | 0.00 |
| | | | | 7.88 |
| | | | Say | 7.90 |

- 43 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 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) & AR-2006/P-89/Item-16)

Taking output = 10Sqm

a) Materials

| | | | | |
|--|-------|--------|---------|-----------------|
| Granite Tiles of minimum 16mm thick & above 0.10 sqm | Sqm | 10.000 | 2098.83 | 20988.30 |
| Sand | Cum | 0.210 | 76.88 | 16.14 |
| Cement for fixing tiles | Qntl. | 0.744 | 459.94 | 342.20 |
| Cement for slurry | Qntl. | 0.330 | 459.94 | 151.78 |
| Cement for grouting | Qntl. | 0.076 | 459.94 | 34.96 |
| | | | | 21533.38 |

b) Labour

| | | | | |
|---------------|------|------|--------|----------------|
| Mason Special | Each | 2.16 | 495.00 | 1069.20 |
| Man Mulia | Each | 2.16 | 345.00 | 745.20 |
| | | | | 1814.40 |

c) Overhead charges @ 7.5% on (a+b)

7.5% 23347.78 **1751.08**

d) Contractor's Profit @ 7.5% on (a+b)

7.5% 23347.78 **1751.08**

e) Carriage & Royalty

| | | | | |
|--|-------|--------|---------|--------|
| Granite Tiles of minimum 16mm thick & above 0.10 sqm | Sqm | 10.000 | 28.28 | 282.77 |
| Sand | Cum | 0.210 | 1395.16 | 292.98 |
| Cement for fixing tiles | Qntl. | 0.744 | 60.46 | 44.98 |

| | | | | |
|---|-------|-------|------------|----------------|
| Cement for slurry | Qntl. | 0.330 | 60.46 | 19.95 |
| Cement for grouting | Qntl. | 0.076 | 60.46 | 4.59 |
| | | | | 645.27 |
| Rate per 10 Sqm = a+b+c+d+e | | | | 27495.21 |
| Rate per 1 Sqm = (a+b+c+d+e)/10 | | | | 2749.52 |
| Add towards Labour Cess @ 1% | | 1% | 2749.52 | 27.50 |
| | | | | 2777.02 |
| | | | Say | 2777.00 |
| (A) For First Floor Granite Tiles in floors | | | | |
| Rate as above | | | | 2777.02 |
| 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 |
| | | | | 2787.55 |
| | | | Say | 2787.60 |
| (B) For Second Floor Granite Tiles in floors | | | | |
| Rate as above | | | | 2787.55 |
| Add extra Labour | | 5% | 190.51 | 9.53 |
| Overhead Charges on extra labour | | 7.5% | 9.53 | 0.71 |
| Contractor's Profit | | 7.5% | 9.53 | 0.71 |
| Add towards extra Labour Cess @ 1% | | 1% | 10.95 | 0.11 |
| | | | | 2798.61 |
| | | | Say | 2798.60 |
| (C) For Third Floor Granite Tiles in floors | | | | |
| Rate as above | | | | 2798.61 |
| Add extra Labour | | 5% | 200.04 | 10.00 |
| Overhead Charges on extra labour | | 7.5% | 10.00 | 0.75 |
| Contractor's Profit | | 7.5% | 10.00 | 0.75 |
| Add towards extra Labour Cess @ 1% | | 1% | 11.50 | 0.12 |
| | | | | 2810.23 |
| | | | Say | 2810.20 |
| (D) For Fourth Floor Granite Tiles in floors | | | | |
| Rate as above | | | | 2810.23 |
| Add extra Labour | | 5% | 210.04 | 10.50 |
| Overhead Charges on extra labour | | 7.5% | 10.50 | 0.79 |
| Contractor's Profit | | 7.5% | 10.50 | 0.79 |
| Add towards extra Labour Cess @ 1% | | 1% | 12.08 | 0.12 |
| | | | | 2822.43 |
| | | | Say | 2822.40 |
| (C) For Fifth Floor Granite Tiles in floors | | | | |
| Rate as above | | | | 2822.43 |
| Add extra Labour | | 5% | 220.54 | 11.03 |
| Overhead Charges on extra labour | | 7.5% | 11.03 | 0.83 |
| Contractor's Profit | | 7.5% | 11.03 | 0.83 |
| Add towards extra Labour Cess @ 1% | | 1% | 12.69 | 0.13 |
| | | | | 2822.43 |
| | | | Say | 2822.40 |

2835.25
Say 2835.30

(B) For Sixth Floor Granite Tiles in floors

| | | | |
|------------------------------------|------|--------|--------------------|
| Rate as above | | | 2835.25 |
| Add extra Labour | 5% | 231.57 | 11.58 |
| Overhead Charges on extra labour | 7.5% | 11.58 | 0.87 |
| Contractor's Profit | 7.5% | 11.58 | 0.87 |
| Add towards extra Labour Cess @ 1% | 1% | 13.32 | 0.13 |
| | | | 2848.70 |
| | | | Say 2848.70 |

(C) For Seventh Floor Granite Tiles in floors

| | | | |
|------------------------------------|------|--------|--------------------|
| Rate as above | | | 2848.70 |
| Add extra Labour | 5% | 243.15 | 12.16 |
| Overhead Charges on extra labour | 7.5% | 12.16 | 0.91 |
| Contractor's Profit | 7.5% | 12.16 | 0.91 |
| Add towards extra Labour Cess @ 1% | 1% | 13.98 | 0.14 |
| | | | 2862.82 |
| | | | Say 2862.80 |

- 57** Supplying, fitting & fixing of Granite Tiles of minimum Above 0.10 Sqm & up to 0.4 sqm (10mm. thick) of approved make in dados laid on 12 mm thick cement mortar (1:3) (1 cement : 3 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 (A/R 2006-Page No-90 item-17)

Taking output = 10Sqm

a) Materials

| | | | | |
|--|-------|--------|---------|-----------------|
| Granite Tiles of minimum 16mm thick & above 0.10 sqm | Sqm | 10.000 | 1328.07 | 13280.70 |
| Sand | Cum | 0.150 | 76.88 | 11.53 |
| Cement | Qntl. | 0.715 | 459.94 | 328.86 |
| Cement for slurry | Qntl. | 0.660 | 459.94 | 303.56 |
| | | | | 0.00 |
| | | | | 13924.65 |

b) Labour

| | | | | |
|-------------------------------|------|------|--------|----------------|
| Mason Special | Each | 3.25 | 495.00 | 1608.75 |
| Man Mulia | Each | 3.25 | 345.00 | 1121.25 |
| Semiskileed Mulia for rubbing | Each | 7.60 | 385.00 | |
| | | | | 2730.00 |

c) Overhead charges @ 7.5% on (a+b)

7.5% 16654.65 **1249.10**

d) Contractor's Profit @ 7.5% on (a+b)

7.5% 16654.65 **1249.10**

e) Carriage & Royalty

| | | | | |
|--|-----|--------|-------|--------|
| Granite Tiles of minimum 16mm thick & above 0.10 sqm | Sqm | 10.000 | 28.28 | 282.77 |
|--|-----|--------|-------|--------|

| | | | | |
|-------------------|-------|-------|---------|---------------|
| Sand | Cum | 0.150 | 1395.16 | 209.27 |
| Cement | Qntl. | 0.715 | 60.46 | 43.23 |
| Cement for slurry | Qntl. | 0.660 | 60.46 | 39.90 |
| | | | | <u>575.17</u> |

Rate per 10 Sqm = a+b+c+d+e 19728.02

Rate per 1 Sqm = (a+b+c+d+e)/10 1972.80

Add towards Labour Cess @ 1% 1% 1972.80 19.73

1992.53

Say 1992.50

(A) For First Floor Granite Tiles in dadoos

Rate as above 1992.53

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% 15.69 0.16

2008.38

Say 2008.40

(B) For Second Floor Granite Tiles in dadoos

Rate as above 2008.38

Add extra Labour 5% 286.65 14.33

Overhead Charges on extra labour 7.5% 14.33 1.07

Contractor's Profit 7.5% 14.33 1.07

Add towards extra Labour Cess @ 1% 1% 16.47 0.16

2025.01

Say 2025.00

(C) For Third Floor Granite Tiles in dadoos

Rate as above 2025.01

Add extra Labour 5% 300.98 15.05

Overhead Charges on extra labour 7.5% 15.05 1.13

Contractor's Profit 7.5% 15.05 1.13

Add towards extra Labour Cess @ 1% 1% 17.31 0.17

2042.49

Say 2042.50

(C) For Fourth Floor Granite Tiles in dadoos

Rate as above 2042.49

Add extra Labour 5% 316.03 15.80

Overhead Charges on extra labour 7.5% 15.80 1.19

Contractor's Profit 7.5% 15.80 1.19

Add towards extra Labour Cess @ 1% 1% 18.18 0.18

2060.85

Say 2060.90

(C) For Fifth Floor Granite Tiles in dadoos

Rate as above 2060.85

Add extra Labour 5% 331.83 16.59

Overhead Charges on extra labour 7.5% 16.59 1.24

Contractor's Profit 7.5% 16.59 1.24

| | | | |
|---|-------|------------|----------------|
| Add towards extra Labour Cess @ 1% | 1% | 19.07 | 0.19 |
| | | | 2080.11 |
| | | Say | 2080.10 |
| (C) For Sixth Floor Granite Tiles in dadoos | | | |
| Rate as above | | | 2080.11 |
| Add extra Labour | 5% | 348.42 | 17.42 |
| Overhead Charges on extra labour | 7.5% | 17.42 | 1.31 |
| Contractor's Profit | 7.5% | 17.42 | 1.31 |
| Add towards extra Labour Cess @ 1% | 1% | 20.04 | 0.20 |
| | | | 2100.35 |
| | | Say | 2100.40 |
| (C) For Seventh Floor Granite Tiles in dadoos | | | |
| Rate as above | | | 2100.35 |
| Add extra Labour | 5% | 365.84 | 18.29 |
| Overhead Charges on extra labour | 7.5% | 18.29 | 1.37 |
| Contractor's Profit | 7.5% | 18.29 | 1.37 |
| Add towards extra Labour Cess @ 1% | 1% | 21.03 | 0.21 |
| | | | 2121.59 |
| | | Say | 2121.60 |
| 58 Providing and fixing of A.C.C sheet on roof drilling holes fixing wind ties including fixing of Ridges, with cost of all labour ,all materials etc. complete. | | | |
| Ref A/R-2006, Page-126, item-33 | | | |
| Unit-1 sqm (details for 9.3 sqm) | | | |
| a) Materials | | | |
| Cost of A C C. sheet Considering 10% over lapping | 1 sqm | 10.23 | 333.12 |
| Cost of ' L ' or ' J ' hook-12 nos @ 8 nos per kg | 1 kg | 1.50 | 173.81 |
| | | | 3668.54 |
| b) Labours | | | |
| Carpenter Special | each | 1.00 | 495.00 |
| Man Mulia | each | 3.00 | 345.00 |
| | | | 1530.00 |
| c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 5198.54 |
| d) Contractor's Profit @ 7.5% on (a+b) | | 7.5% | 5198.54 |
| | | | 5978.32 |
| Rate per 9.3 sqm in G. floor | | | 642.83 |
| Rate per 1 sqm in G. floor | | | 642.83 |
| Add towards Labour Cess @ 1% | 1% | 642.83 | 6.43 |
| | | | 649.26 |
| | | | 649.30 |
| 59 Plain cement concrete (1:3:6) nominal mix in foundation as per Drawing and Technical Specification | | | |
| Unit = Cum (A/R 2006-Page No-43 item-3) | | | |
| Taking output = 1 cum | | | |
| a) Materials | | | |

| | | | | |
|--|------|------|------------|----------------|
| 40mm size H.G.C.B metal | Cum | 0.96 | 19.50 | 18.72 |
| Sand (screened & washed) | Cum | 0.48 | 5.25 | 2.52 |
| Cement | Qntl | 2.29 | 0.00 | 0.00 |
| | | | | 21.24 |
| b) Labour | | | | |
| 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 |
| | | | | 1423.80 |
| c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 1445.04 | 108.38 |
| d) Contracor's Profit @ 7.5% on (a+b) | | 7.5% | 1445.04 | 108.38 |
| | | | | |
| e) Carriage & Royalty | | | | |
| 40mm size H.G.C.B metal | Cum | 0.96 | 100.00 | 96.00 |
| Sand (screened & washed) | Cum | 0.48 | 125.00 | 60.00 |
| Cement | Qntl | 2.29 | 0.00 | 0.00 |
| | | | | 156.00 |
| Rate per Cum = a+b+c+d+e | | | | 1817.80 |
| Add towards Labour Cess @ 1% | | 1% | 1817.80 | 18.18 |
| | | | | 1835.98 |
| | | | Say | 1836.00 |
| (A) For First Floor P.C.C(1:3:6) | | | | |
| Rate as above | | | | 1835.98 |
| Add extra Labour | | 15% | 1423.80 | 213.57 |
| Overhead Charges on extra labour | | 7.5% | 213.57 | 16.02 |
| Contractor's Profit | | 7.5% | 213.57 | 16.02 |
| Add towards extra Labour Cess @ 1% | | 1% | 245.61 | 2.46 |
| | | | | 2084.05 |
| | | | Say | 2084.10 |
| | | | | |
| (B) For Second Floor P.C.C(1:3:6) | | | | |
| Rate as above | | | | 2084.05 |
| Add extra Labour | | 15% | 1637.37 | 245.61 |
| Overhead Charges on extra labour | | 7.5% | 245.61 | 18.42 |
| Contractor's Profit | | 7.5% | 245.61 | 18.42 |
| Add towards extra Labour Cess @ 1% | | 1% | 282.45 | 2.82 |
| | | | | 2369.32 |
| | | | Say | 2369.30 |
| | | | | |
| (C) For Third Floor P.C.C(1:3:6) | | | | |
| Rate as above | | | | 2369.32 |
| Add extra Labour | | 15% | 1882.98 | 282.45 |
| Overhead Charges on extra labour | | 7.5% | 282.45 | 21.18 |
| Contractor's Profit | | 7.5% | 282.45 | 21.18 |
| Add towards extra Labour Cess @ 1% | | 1% | 324.81 | 3.25 |
| | | | | |

| | | | | |
|---|-----|------|------------|-----------------|
| | | | | 2697.38 |
| | | | Say | 2697.40 |
| (C) For Fourth Floor P.C.C(1:3:6) | | | | |
| Rate as above | | | | 2697.38 |
| Add extra Labour | | 15% | 2165.43 | 324.81 |
| Overhead Charges on extra labour | | 7.5% | 324.81 | 24.36 |
| Contractor's Profit | | 7.5% | 324.81 | 24.36 |
| Add towards extra Labour Cess @ 1% | | 1% | 373.53 | 3.74 |
| | | | | 3074.65 |
| | | | Say | 3074.70 |
| (C) For Fifth Floor P.C.C(1:3:6) | | | | |
| Rate as above | | | | 3074.65 |
| Add extra Labour | | 15% | 2490.24 | 373.54 |
| Overhead Charges on extra labour | | 7.5% | 373.54 | 28.02 |
| Contractor's Profit | | 7.5% | 373.54 | 28.02 |
| Add towards extra Labour Cess @ 1% | | 1% | 429.58 | 4.30 |
| | | | | 3508.53 |
| | | | Say | 3508.50 |
| 12 R.C.C. work with C.C (1:3:6) black hard granite (crusher broken) stone metal of 4cm size including hoisting and laying in <u>False column in Ground Floor</u> | | | | |
| Unit = cum | | | | |
| Rate as above | | | | 1835.98 |
| Add towards Centering & Shuttering | Sqm | 8.00 | 1010.45 | 8083.60 |
| | | | | 9919.58 |
| | | | Say | 9919.60 |
| (A) For First Floor False column | | | | |
| Rate as above | | | | 2084.05 |
| Add towards Centering & Shuttering | Sqm | 8.00 | 1212.54 | 9700.32 |
| | | | | 11784.37 |
| | | | Say | 11784.40 |
| (B) For Second Floor False column | | | | |
| Rate as above | | | | 2369.32 |
| Add towards Centering & Shuttering | Sqm | 8.00 | 1455.05 | 11640.40 |
| | | | | 14009.72 |
| | | | Say | 14009.70 |
| (C) For Third Floor False column | | | | |
| Rate as above | | | | 2697.38 |
| Add towards Centering & Shuttering | Sqm | 8.00 | 1746.06 | 13968.48 |
| | | | | 16665.86 |
| | | | Say | 16665.90 |
| (C) For Fourth Floor False column | | | | |

| | | | | | |
|---|---|-----|------|------------|-----------------|
| | Rate as above | | | | 3074.65 |
| | Add towards Centering & Shuttering | Sqm | 8.00 | 2095.27 | 16762.16 |
| | | | | | 19836.81 |
| | | | | Say | 19836.80 |
| (C) For Fifth Floor False column | | | | | |
| | Rate as above | | | | 3508.53 |
| | Add towards Centering & Shuttering | Sqm | 8.00 | 2514.32 | 20114.56 |
| | | | | | 23623.09 |
| | | | | Say | 23623.10 |
| 60 | Dismantling brick or stone masonry in lime or cement mortar above 3 mtr height including stacking the useful materials for reuse and removing the debris within 50m lead. | | | | |
| | <u>Data for 2.83 cum</u> | | | | |
| | a) Labour | | | | |
| | Man & Women mulia | Nos | 8.50 | 345.00 | 2932.50 |
| | c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 2932.50 | 219.94 |
| | d) Contracor's Profit @ 7.5% on (a+b) | | 7.5% | 2932.50 | 219.94 |
| | Rate for 2.83 cum | | | | 3372.38 |
| | Rate per cum | | | | 1191.65 |
| | (i) Ground Floor | | | | |
| | Add Labour Cess 1% | | | | 11.92 |
| | | | | | 1203.57 |
| | | | | | 1203.60 |
| | (ii) First Floor | | | | |
| | Rate as per G.F. | | | | 1203.57 |
| | Add towards extra labour | | 5% | 1036.22 | 51.81 |
| | c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 51.81 | 3.89 |
| | d) Contracor's Profit @ 7.5% on (a+b) | | 7.5% | 51.81 | 3.89 |
| | Add towards extra Labour Cess @ 1% | | 1% | 59.59 | 0.60 |
| | | | | | 1263.76 |
| | | | | | 1263.80 |
| | (iii) Second floor | | | | |
| | Rate as per F.F. | | | | 1263.76 |
| | Add towards extra labour | | 5% | 1088.03 | 54.40 |
| | c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 54.40 | 4.08 |
| | d) Contracor's Profit @ 7.5% on (a+b) | | 7.5% | 54.40 | 4.08 |
| | Add towards extra Labour Cess @ 1% | | 1% | 62.56 | 0.63 |
| | | | | | 1326.95 |
| | | | | | 1327.00 |
| 24 | Dismantling and removing 2.5cm thick A.S.Flooring including stacking the useful materials for reuse and removing the debris with in 50m lead etc. complete. | | | | |
| | <u>Data for 9.30 sqm</u> | | | | |

| | | | | |
|---|-----|------|--------|---------------|
| a) Labour | | | | |
| Man & Women mulia | Nos | 2.00 | 345.00 | 690.00 |
| c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 690.00 | 51.75 |
| d) Contracor's Profit @ 7.5% on (a+b) | | 7.5% | 690.00 | 51.75 |
| Rate per 9.3 sqm | | | | 793.50 |
| Rate per sqm | | | | 85.32 |
| | | | | 878.82 |
| | | | | 878.80 |
| 61 Removing old lime or cement plaster from walls including raking out joints 12mm deep and removing the debris within 50m lead | | | | |
| <u>Data for 9.30 sqm</u> | | | | |
| a) Labour | | | | |
| man mulia | Nos | 1.00 | 345.00 | 345.00 |
| c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 345.00 | 25.88 |
| d) Contracor's Profit @ 7.5% on (a+b) | | 7.5% | 345.00 | 25.88 |
| Rate for 9.30 sqm | | | | 396.76 |
| Rate per sqm | | | | 42.66 |
| (i) Ground Floor | | | | |
| Add Labour Cess 1% | | | | 0.43 |
| | | | | 43.09 |
| | | | | 43.10 |
| (ii) First Floor | | | | |
| Rate as per G.F. | | | | 43.09 |
| Add towards extra labour | | 5% | 37.10 | 1.85 |
| c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 1.85 | 0.14 |
| d) Contracor's Profit @ 7.5% on (a+b) | | 7.5% | 1.85 | 0.14 |
| Add towards extra Labour Cess @ 1% | | 1% | 2.13 | 0.02 |
| | | | | 45.24 |
| | | | | 45.20 |
| (iii) Second floor | | | | |
| Rate as per F.F. | | | | 45.24 |
| Add towards extra labour | | 5% | 38.95 | 1.95 |
| c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 1.95 | 0.15 |
| d) Contracor's Profit @ 7.5% on (a+b) | | 7.5% | 1.95 | 0.15 |
| Add towards extra Labour Cess @ 1% | | 1% | 2.25 | 0.02 |
| | | | | 47.51 |
| | | | | 47.50 |
| 79 Dismantling terraced roof including stacking the useful materials for reuse and removing the debris within 50m lead. | | | | |
| <u>Data for 9.30 sqm</u> | | | | |
| a) Labour | | | | |
| Man & Women mulia | Nos | 6.35 | @Rs. | 150.00 |
| b) Over head charges 10% | | | | |

c) sundries and T&P 2%
 Rate for 9.30 sqm
 Rate per sqm = 640.08/9.30
 Add 5% for 1st floor

- 62 Dismantling and removing doors, windows and ventilators including removal of frame, hinges, fastening and stacking the same for reuse and removing the debris within 50m lead.

Consider a door of (1.22m x 2.13m = 2.60 sqm)

a) Labour

| | | | | |
|---------------------|-----|------|--------|--------|
| Carpenter 2nd class | Nos | 0.50 | 435.00 | 217.50 |
| Man & Women mulia | Nos | 1.60 | 345.00 | 552.00 |
| | | | | 769.50 |

c) **Overhead charges @ 7.5% on (a+b)** 7.5% 769.50 **57.71**

d) **Contractor's Profit @ 7.5% on (a+b)** 7.5% 769.50 **57.71**

Rate for 2.60 sqm 884.92
 per sqm 340.35

(i) **Ground Floor**

Add Labour Cess 1% 3.40
 343.75
343.80

(ii) **First Floor**

Rate as per G.F. 343.75

Add towards extra labour 5% 295.96 14.80

c) **Overhead charges @ 7.5% on (a+b)** 7.5% 14.80 **1.11**

d) **Contractor's Profit @ 7.5% on (a+b)** 7.5% 14.80 **1.11**

Add towards extra Labour Cess @ 1% 1% 17.02 0.17

360.94

360.90

(iii) **Second floor**

Rate as per F.F. 360.94

Add towards extra labour 5% 310.76 15.54

c) **Overhead charges @ 7.5% on (a+b)** 7.5% 15.54 **1.17**

d) **Contractor's Profit @ 7.5% on (a+b)** 7.5% 15.54 **1.17**

Add towards extra Labour Cess @ 1% 1% 17.88 0.18

379.00

379.00

- 63 Removing old grading plaster from roof, removing the surface, lowering and removing the debris within 50m lead

Data for 9.30 sqm

a) Labour

| | | | | |
|-------------------|-----|------|--------|--------|
| Man & Women mulia | Nos | 1.55 | 345.00 | 534.75 |
|-------------------|-----|------|--------|--------|

c) **Overhead charges @ 7.5% on (a+b)** 7.5% 534.75 **40.11**

| | | | |
|--|------|--------|---------------|
| d) Contracor's Profit @ 7.5% on (a+b) | 7.5% | 534.75 | 40.11 |
| Rate for 9.30 sqm | | | 614.97 |
| per sqm | | | 66.13 |
| (i) Ground Floor | | | |
| Add Labour Cess 1% | | | 0.66 |
| | | | 66.79 |
| | | | 66.80 |
| (ii) First Floor | | | |
| Rate as per G.F. | | | 66.79 |
| Add towards extra labour | 5% | 57.50 | 2.88 |
| c) Overhead charges @ 7.5% on (a+b) | 7.5% | 2.88 | 0.22 |
| d) Contracor's Profit @ 7.5% on (a+b) | 7.5% | 2.88 | 0.22 |
| Add towards extra Labour Cess @ 1% | 1% | 3.32 | 0.03 |
| | | | <hr/> |
| | | | 70.14 |
| | | | 70.10 |
| (iii) Second floor | | | |
| Rate as per F.F. | | | 70.14 |
| Add towards extra labour | 5% | 60.38 | 3.02 |
| c) Overhead charges @ 7.5% on (a+b) | 7.5% | 3.02 | 0.23 |
| d) Contracor's Profit @ 7.5% on (a+b) | 7.5% | 3.02 | 0.23 |
| Add towards extra Labour Cess @ 1% | 1% | 3.48 | 0.03 |
| | | | <hr/> |
| | | | 73.65 |
| | | | 73.70 |
| 64 Dismantling and removing cement concrete including stacking the useful materials for reuse and removing the debris within 50m lead. | | | |
| a) Labour | | | |
| Man & Women mulia | Nos | 1.60 | 345.00 |
| | | | 552.00 |
| c) Overhead charges @ 7.5% on (a+b) | 7.5% | 552.00 | 41.40 |
| d) Contracor's Profit @ 7.5% on (a+b) | 7.5% | 552.00 | 41.40 |
| | | | 634.80 |
| (i) Ground Floor | | | |
| Add Labour Cess 1% | | | 6.35 |
| Rate per cum | | | 641.15 |
| | | | 641.20 |
| (ii) First Floor | | | |
| Rate as per G.F. | | | 641.15 |
| Add towards extra labour | 5% | 552.00 | 27.60 |
| c) Overhead charges @ 7.5% on (a+b) | 7.5% | 27.60 | 2.07 |
| d) Contracor's Profit @ 7.5% on (a+b) | 7.5% | 27.60 | 2.07 |
| Add towards extra Labour Cess @ 1% | 1% | 31.74 | 0.32 |
| | | | <hr/> |
| | | | 673.21 |
| | | | 673.20 |
| (iii) Second floor | | | |
| Rate as per F.F. | | | 673.21 |
| Add towards extra labour | 5% | 579.60 | 28.98 |

| | | | | |
|--|--|------|---------|----------------|
| c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 28.98 | 2.17 |
| d) Contracor's Profit @ 7.5% on (a+b) | | 7.5% | 28.98 | 2.17 |
| Add towards extra Labour Cess @ 1% | | 1% | 33.32 | 0.33 |
| | | | | <hr/> |
| | | | | 706.86 |
| | | | | 706.90 |
| XX | | | | |
| 34 | Dismantling and removing RCC columns, beams, slab, staircase landing, lintels including stacking the useful materials for reuse and removing the debris within 50m lead. | | | |
| a) Labour | | | | |
| | Semiskilled mulia | Nos | 1.50 | 385.00 |
| | Man mulia | Nos | 1.50 | 345.00 |
| | | | | 1095.00 |
| c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 1095.00 | 82.13 |
| d) Contracor's Profit @ 7.5% on (a+b) | | 7.5% | 1095.00 | 82.13 |
| | | | | 1259.26 |
| (i) Ground Floor | | | | |
| | Add Labour Cess 1% | | | 12.59 |
| | Rate per cum | | | 1271.85 |
| | | | | 1271.90 |
| (ii) First Floor | | | | |
| | Rate as per G.F. | | | 1271.85 |
| | Add towards extra labour | 5% | 1095.00 | 54.75 |
| c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 54.75 | 4.11 |
| d) Contracor's Profit @ 7.5% on (a+b) | | 7.5% | 54.75 | 4.11 |
| Add towards extra Labour Cess @ 1% | | 1% | 62.97 | 0.63 |
| | | | | <hr/> |
| | | | | 1335.45 |
| | | | | 1335.50 |
| (iii) Second floor | | | | |
| | Rate as per F.F. | | | 1335.45 |
| | Add towards extra labour | 5% | 1149.75 | 57.49 |
| c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 57.49 | 4.31 |
| d) Contracor's Profit @ 7.5% on (a+b) | | 7.5% | 57.49 | 4.31 |
| Add towards extra Labour Cess @ 1% | | 1% | 66.11 | 0.66 |
| | | | | <hr/> |
| | | | | 1402.22 |
| | | | | 1402.20 |
| 28 | Dismantling and removing RCC Chajja, shelves, fins and parapets including stacking the useful materials for reuse and removing the debris within 50m lead. | | | |
| | <u>Data for 9.30 sqm</u> | | | |
| a) Labour | | | | |
| | Man mulia | Nos | 3.50 | @Rs. 150.00 |

| | | | | | |
|----|--|-----|------|--------|-------------|
| | b) Over head charges 10% | | | | |
| | c) sundries and T&P 2% | | | | |
| | Rate for 9.30 sqm | | | | |
| | Rate for 1 sqm | | | | |
| 86 | Dismantling and removing marble chips flooring | | | | |
| | <u>Data for 9.30 sqm</u> | | | | |
| | a) Labour | | | | |
| | Man & Women mulia | Nos | 1.60 | @Rs. | 150.00 |
| | women mulia | Nos | 1.40 | @Rs. | 150.00 |
| | b) Over head charges 10% | | | | |
| | c) sundries and T&P 2% | | | | |
| | Rate for 9.30 sqm | | | | |
| | per sqm = 302.40/ 9.30 | | | | |
| 87 | Dismantling and removing marble chips in dadoos and skirting from walls | | | | |
| | <u>Data for 9.30 sqm</u> | | | | |
| | a) Labour | | | | |
| | man mulia | Nos | 1.10 | @Rs. | 150.00 |
| | b) Over head charges 10% | | | | |
| | c) sundries and T&P 2% | | | | |
| | Rate for 9.50 sqm | | | | |
| | per sqm = 110.88/ 9.50 | | | | |
| 4 | Dismantling and removing old tiled flooring including removing the base coarse etc. complete. | | | | |
| | <u>Data for 9.30 sqm</u> | | | | |
| | a) Labour | | | | |
| | mulia | Nos | 2.50 | @Rs. | 150.00 |
| | b) Over head charges 10% | | | | |
| | sundries and T&P 2% | | | | |
| | Rate for 9.30 sqm | | | | |
| | per sqm = 252.00/ 9.30 | | | | |
| 5 | Dismantling and removing old tiled cladding from walls including racking out joints 12mm deep etc. complete. | | | | |
| | <u>Data for 9.30 sqm</u> | | | | |
| | a) Labour | | | | |
| | man mulia | Nos | 1.30 | @Rs. | 150.00 |
| | b) Over head charges 10% | | | | |
| | sundries and T&P 2% | | | | |
| | Rate for 9.30 sqm | | | | |
| | per sqm = 131.04/ 9.30 | | | | |
| | | | | | 0.00 |
| 66 | Dismantling GCI or AC sheet roof etc. complete. | | | | |
| | <u>Data for 9.30 sqm</u> | | | | |
| | a) Labour | | | | |
| | Fitter 2nd class | Nos | 0.25 | 435.00 | 108.75 |

| | | | | |
|--|------|------|--------|----------------|
| Mulia | Nos | 1.50 | 345.00 | 517.50 |
| | | | | 626.25 |
| c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 626.25 | 46.97 |
| d) Contracor's Profit @ 7.5% on (a+b) | | 7.5% | 626.25 | 46.97 |
| Rate for 9.30 sqm | | | | 720.19 |
| per sqm | | | | 77.44 |
| (i) Ground Floor | | | | |
| Add Labour Cess 1% | | | | 0.77 |
| | | | | 78.21 |
| | | | | 78.20 |
| (ii) First Floor | | | | |
| Rate as per G.F. | | | | 78.21 |
| Add towards extra labour | 5% | | 67.34 | 3.37 |
| c) Overhead charges @ 7.5% on (a+b) | 7.5% | | 3.37 | 0.25 |
| d) Contracor's Profit @ 7.5% on (a+b) | 7.5% | | 3.37 | 0.25 |
| Add towards extra Labour Cess @ 1% | 1% | | 3.87 | 0.04 |
| | | | | 82.12 |
| | | | | 82.10 |
| (iii) Second floor | | | | |
| Rate as per F.F. | | | | 82.12 |
| Add towards extra labour | 5% | | 70.71 | 3.54 |
| c) Overhead charges @ 7.5% on (a+b) | 7.5% | | 3.54 | 0.27 |
| d) Contracor's Profit @ 7.5% on (a+b) | 7.5% | | 3.54 | 0.27 |
| Add towards extra Labour Cess @ 1% | 1% | | 4.08 | 0.04 |
| | | | | 86.24 |
| | | | | 86.20 |
| 67 Dismantling wood work in roof frame | | | | |
| <u>Data for 0.0283 cum</u> | | | | |
| a) Labour | | | | |
| Carpenter 2nd class | Nos | 0.03 | 435.00 | 13.05 |
| Mulia | Nos | 0.04 | 345.00 | 13.80 |
| | | | | 26.85 |
| c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 26.85 | 2.01 |
| d) Contracor's Profit @ 7.5% on (a+b) | | 7.5% | 26.85 | 2.01 |
| Rate for 0.0283 cum | | | | 30.87 |
| Rate for cum | | | | 1090.81 |
| (i) Ground Floor | | | | |
| Add Labour Cess 1% | | | | 10.91 |
| | | | | 1101.72 |
| | | | | 1101.70 |
| (ii) First Floor | | | | |
| Rate as per G.F. | | | | 1101.72 |
| Add towards extra labour | 5% | | 948.76 | 47.44 |
| c) Overhead charges @ 7.5% on (a+b) | 7.5% | | 47.44 | 3.56 |
| d) Contracor's Profit @ 7.5% on (a+b) | 7.5% | | 47.44 | 3.56 |
| Add towards extra Labour Cess @ 1% | 1% | | 54.56 | 0.55 |

| | | | | |
|---|-----|----------------------------------|--------|----------------|
| | | | | 1156.83 |
| | | | | 1156.80 |
| (iii) Second floor | | | | |
| Rate as per F.F. | | | | 1156.83 |
| Add towards extra labour | | 5% | 996.20 | 49.81 |
| c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 49.81 | 3.74 |
| d) Contracor's Profit @ 7.5% on (a+b) | | 7.5% | 49.81 | 3.74 |
| Add towards extra Labour Cess @ 1% | | 1% | 57.29 | 0.57 |
| | | | | <hr/> |
| | | | | 1214.69 |
| | | | | 1214.70 |
| 35 Providing, fitting and fixing of 200mm wide, 16 gauge Aluminium sheet in the side of the expansion joints after | | | | |
| Price of 200mm wide, 16 gauge Aluminium sheet | | | 209.73 | |
| VAT | | 5.0% | 10.49 | |
| Transportation | | 0.81 | 27.07 | 21.93 |
| | | Kg | | 242.15 |
| Materials | | | | |
| Price of 16 gauge Aluminium sheet | m | | 1 | 242.15 |
| | | | | per m |
| Labour | | | | |
| Cutting of Aluminium sheet & making grooves | | 1.00 LS | 45.00 | 45.00 |
| Cleaning the joints | | LS | | 50.00 |
| Providing Aluminium sheet after drilling and anchoring with screws | | L.S | | 120.00 |
| | | | | 215.00 |
| Total = a + b | | | | 457.15 |
| Add towards Service Tax | | 12.36% | | 56.5 |
| | | | | 513.65 |
| Add towards Labour Cess | | 1% | | 5.14 |
| Rate per mtr | | | | 518.79 |
| | | | | 518.80 |
| 69 Providing fitting & fixing of cornice for Gypsum Board ceiling of approved design by | | | | |
| (Data for 10Rft | | | | |
| Cost of cornice 4" wide | ft | 10 | 45 | 450.00 |
| carriage of cornice | L/S | | | 2.00 |
| Labour charges | L/S | | | 45.00 |
| Nail and pvc greeps etc. | L/S | | | 4.00 |
| Per 10 Feet | | | | 501.00 |
| Rate for one Rft. | | | | 50.10 |
| Cess @ 1% | | | | 0.50 |
| Rate per Feet for Gr Floor | | | | 50.60 |
| Rate per Sqm | | | | 166.31 |
| | | | | 166.30 |
| 36 Providing, fitting and fixing of Sikadur Combiflex SG 20P 200 and sealed by Sikadur 31C @ 1.4kg per meter over | | | | |
| Price of 300mm wide 16 gauge Aluminium sheet | | 1.10+wastage 0.11=1.21kg @260/kg | | |
| | | 1.21 | 260.00 | 314.6 |
| | | per kg | | |
| VAT | | 5.0% | 15.73 | |

| | | | | |
|--|-------|--------|---------------|----------------|
| Transportation | 1.21 | 27.07 | 32.75 | |
| | | | 363.08 | |
| Price of Sikadur 32 Epoxy bonding agent @ Rs.18534.00/30kg | | | 617.80 | |
| VAT | 13.5% | | 83.40 | |
| Transportation | | L.S | 27.07 | |
| | | kg | 728.27 | |
| Price of Sikagrout 214 @ Rs.710.00/30kg | | | 23.66 | |
| | 13.5% | | 3.19 | |
| Transportation | | L.S | 27.07 | |
| | | | 53.92 | |
| Price of Sikadur Combiflex SG20P of 200mm thick @ Rs.30414.00/20m | | | 1520.70 | |
| | 13.5% | | 205.29 | |
| Transportation | | L.S | 27.07 | |
| | | | 1753.06 | |
| Price of Sikadur 31C @ Rs.5564/12kg | | | 463.67 | |
| | 13.5% | | 62.60 | |
| Transportation | | L.S | 27.07 | |
| | | | 553.34 | |
| Materials | | | | |
| Price of Sikadur 32 Epoxy bonding agent @ 200gm/m | | | | |
| | kg | 0.2 | 728.27 | 145.65 |
| Price of Sikagrout 214 @ 8kg/m | kg | 8 | 53.92 | 431.36 |
| Price of Sikadur Combiflex SG20P of 200mm thick | m | 1 | 1753.06 | 1753.06 |
| Price of Sikadur 31C @ 1.4kg/m | kg | 1.4 | 553.34 | 774.67 |
| Price of 16 gauge Aluminium sheet | m | 1 | 363.08 | 363.08 |
| | | | @ | 3467.82 |
| Labour | | | | |
| Cutting of Aluminium sheet & making grooves | | 1 | 45.00 | 45.00 |
| Cleaning the joints for application | | L.S | | 50.00 |
| Applying Epoxy & Grout | | L.S | | 80.00 |
| Applying Combiflex & Sikadur 31C | | L.S | | 70.00 |
| Providing Aluminium sheet after drilling and anchoring with screws | | L.S | | 120.00 |
| | | | | 365.00 |
| Total = a + b | | | | 3832.82 |
| Add towards Service Tax | | 12.36% | | 473.74 |
| | | | | 4306.56 |
| Add towards Labour Cess | | 1% | | 43.07 |
| | | | | 4349.63 |
| | | | | 4349.60 |
| 37 Providing and fixing of Aluminium Composite Panel glazing fixed to wall surface of approved make and quality | | | | |
| Price of 3mm thick Aluminium Composite Panel exterior grade | | | 140.00 | |
| VAT | 13.5% | | 18.90 | |
| | | | <u>158.90</u> | |
| Data for 5.50 x 3.30m = | | | | |
| 18.15sqm+10% wastage=19.965sqm=214.82 sft | | | | |

| | | | | |
|--|------------|--------|----------|----------------|
| A) Materials | | | | |
| 3mm thick Aluminium Composite Pannel | sft | 214.82 | 158.90 | 34134.90 |
| (i) Outer frame (100 x 44 mm) | | | | |
| Vertical = 2 x 5.50m = | 11.00 m | | | |
| Horizontal = 2 x 3.30m = | 6.60 m | | | |
| | 17.60 m @ | | | |
| | @ kg/m | 2.0 | 35.20 | |
| (ii) Inner frame (50 x 63 mm) | | | | |
| Vertical = 9 x 5.50m = | 49.50 m | | | |
| Horizontal = 17 x 3.30m = | 56.10 m | | | |
| | 105.60 m @ | | | |
| | @ kg/m | 1.0 | 105.60 | |
| | | | kg | |
| | | | 140.80 | |
| Add 10% wastage | | | 14.08 | |
| | | | 154.88 | |
| Aluminium Square Frame | kg | 154.88 | 226.00 | 35002.88 |
| Stainless screw | nos. | 200 | 2.00 | 400.00 |
| VHP Tape | mtr | 123.20 | 27.50 | 3388.00 |
| 789 Grade Silicon | mtr | 123.20 | 35.00 | 4312.00 |
| Bamboo for scaffolding (used for 3 times) | 3nos | 18 | 125.00 | 750.00 |
| Coir | | | | 50.00 |
| 38mm Non Sal Planks (10 mtr x 1.00m) used for 10 times | cum / | 0.38 | 16600.00 | 630.80 |
| Carpenter 1st Class | 7.00 nos. | | 495.00 | 3465.00 |
| Carpenter 2nd Class | 7.00 nos. | | 435.00 | 3045.00 |
| Hire & Running charge of drilling machine | 2.00 days | | 100.00 | 200.00 |
| | | | | 85378.58 |
| c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 85378.58 | 6403.39 |
| d) Contracor's Profit @ 7.5% on (a+b) | | 7.5% | 85378.58 | 6403.39 |
| | | | | 98185.36 |
| Rate per Sqm | | | | 5409.66 |
| Add 1% towards Labour Cess | | | | 54.1 |
| | | | | 5463.76 |
| | | | | 5463.80 |
| (iii) | | | | |
| Earthwork in excavation in hard soil with 5 km mechanical lead including rough dressing and breaking clods to max. 5cm to 7cm size and laying in layers not exceeding 0.30m in depth | | | | |
| <u>Data for 1 cum</u> | | | | |
| a) Basic rate of hard soil | cum | 1 | 170.60 | 170.60 |
| b) Add carriage charge of 5km | cum | 1 | 136.00 | 136.00 |
| Royalty | cum | 1 | 19.60 | 19.60 |
| Total rate for 1 cum (a+b) | | | | 326.20 |
| Add Labour Cess 1% | | | 1% | 3.26 |

Factory made **FRP(Altematly called GRP) door frame** of size 75mm x 100mm fabricated using E - glass chopped strand mat (CSM) U.V stabilised inopathalic Gel coat and impregnated with inopathalic resin The thickness of the GRP skins shall not be less then 2.0 mm . The door frame consists of four segments which are provided with plug in socket arrangement in-situ-in mould. The segments are plugged in and are joined together by means of srew. The GRP frame shall be provided with wooden reinforcement on six locations for high srew holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam / plaster of paris with fibre reinforcement , six number of 260mm x 25mm x 5mm size 'S' shaped M.S flat hold fast shall be provided with the frame. The material and process for manufacturing the finish of door frame shall conform to RV-TIFAC composites Design centre's standards and specifications . The finish of door frame will be plain colour white /Ivory/Beige/Light grey / Golden brown / Mahogany/ Teak wood /sand stone Champagne/Pastel blue or any other colour using high quality pigment complete in all respect as per specification and direction of the Engineer in Charge. etc. complete

Data per (2'-6" x 6'-6" = 15'-6" or,) 4.72mtr.

| | | | |
|--|---------------|--------|---------------|
| a)Cost of choukath as per EPM Rate per mtr=Rs | 475.00 | | 475.00 |
| b) Labour for Fitting & fixing | 55.800 /4.72m | | |
| Rate per 1 mtr.(a+b)/4.72 | | | 475.00 |
| c) Overhead charges @ 7.5% on (a+b) | 7.5% | 475.00 | 35.63 |
| d) Contracor's Profit @ 7.5% on (a+b) | 7.5% | 475.00 | 35.63 |
| | | | 546.26 |
| Add Labour Cess 1% | | | 5.46 |
| Per Rmt | | | 551.72 |
| Per Rmt | | SAY | 551.70 |

Factory made GIRID FRP or called GRP sandwich composite door shutter of 32mm thick laminated with two GRP skin with good grain finish fabricated using UV stabilised isopthalic gel coat and one layer of 450 gsm E-glass chopped strand mat (CSM) impregnated with ortopathilic resin The thickness of the skins shall not be less than 1.50mm . Expanded polysryne (EPS) structural foam panel of 29 mm tickness and a density of 20kg/cu.mts shall be used as core material wooden reinforcements made of sesasoned sal wood block of cross section not less than 28mm x 32mm and also necessary sal wood reinforcements for fitting the metal fittings such as lower bolts ,aldrops, handles etc. shall be provided . A structural adhesive compatible with (EPS)foam shall be used for bending the core material. the sal wood reinforcements and the skin The material and process for manufacturing te door shutter shall conform to RV -TIFAC components design centre's standards and specification and the door shutters tested in conformation to IS 4020-1998. The Finish of door shutter will be plain colour as per specification and direction of the Engineer in Charge. etc. complete

Labour for Fixing

Data per 1.88 sqm

a) Labour

| | | | | |
|---|--------------|---------|---------------|----------------|
| Carpenter 2nd Class | | 1.000 | 435.00 | 435.00 |
| Mulia | | 1.000 | 345.00 | 345.00 |
| Per 1.88 sqmTotal (a+b) | | | | 780.00 |
| Per 1 sqmTotal (a+b)/1.88 | | | | 414.89 |
| Cost of Shutter | | | | |
| Data per (2'-2"x 6'-4"=13.717sqm Or) 1.274sqm | | | | |
| Cost of Shutter As per E.P.M. Rate per mtr = Rs | | | 2657.00 | |
| Rate per sqm | | | 2657.00 | |
| Cost of Shutter | sqm | 1.274 | 2657.00 | 3385.02 |
| Aluminum Handle 4" (150mm x 33mm flat) | Nos | 2.000 | 35.03 | 70.06 |
| Aluminum Tower Bolt 6" (150mm x 10mm) | Nos | 1.000 | 59.46 | 59.46 |
| Aluminum Aldrop (250mm x 16mm) | Nos | 1.000 | 232.98 | 232.98 |
| N.F. Screw (30mm x 5 mm) | Nos | 36.000 | 0.54 | 19.31 |
| | | | | 3766.83 |
| Per 1 sqm | | 3766.83 | 1.274 | 2956.70 |
| Total Cost including fitting & fixing (A+B) | | | | 3371.59 |
| Rate per sqm | | | Or,Say | 3371.59 |
| c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 3371.59 | 252.87 |
| d) Contracor's Profit @ 7.5% on (a+b) | | 7.5% | 3371.59 | 252.87 |
| | | | | 3877.33 |
| Add Labour Cess 1% | | | | 38.77 |
| Rate per sqm | | | Or,Say | 3916.10 |
| Rate per sqm | | | SAY | 3916.10 |
| 44 Supplying Angular truss revetted welded type including bottom runner ties made out of M.S angles but excluding purlins, Hosting joists and trusses and placing in position. | | | | |
| A/R item No.1 P.224 | | | | |
| <u>Data for 0.508qtl.</u> | | | | |
| Labour | | | | |
| Sangi Mulia for conveying joist from outside to the buildings | Each no | 0.25 | 385.00 | 96.25 |
| Sangi Mulia for lifting joists up to top of the walls with ropes etc. | Each no | 0.75 | 385.00 | 288.75 |
| Man Mulia for placing joists in position | Each no | 0.17 | 345.00 | 58.65 |
| | | | Total | 443.65 |
| Angular steel truss revetted welded type with M.S Angle | Qntl | 0.508 | 5205.00 | 2644.14 |
| | | | Total | 3087.79 |
| c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 443.65 | 33.27 |
| d) Contracor's Profit @ 7.5% on (a+b) | | 7.5% | 3087.79 | 231.58 |
| Carriage | Qntl | 0.508 | 24.79 | 12.59 |
| Rate per 0.508 Qntl | | | | 3365.23 |
| Rate per 1 Qntl | | | | 6624.47 |
| Add 1% Labour Cess | | 1% | | 66.24 |
| Rate per Qntl | Total | | | 6690.71 |

| | | | | |
|---|--------------|---------|---------|-----------------|
| Rate per M.T | | | | 66907.10 |
| | | | Say | 66907.10 |
| 44 Supplying Angular Purlins revetted welded type including bottom runner ties made out of M.S angles, Hosting joists and trusses and placing in position. | | | | |
| A/R item No.1 P.224 | | | | |
| <u>Data for 0.508qntl.</u> | | | | |
| Labour | | | | |
| Sangi Mulia for conveying joist from outside to the buildings | Each no | 0.25 | 385.00 | 96.25 |
| Sangi Mulia for lifting joists up to top of the walls with ropes etc. | Each no | 0.75 | 385.00 | 288.75 |
| Man Mulia for placing joists in position | Each no | 0.17 | 345.00 | 58.65 |
| | | | Total | 443.65 |
| Angular steel truss revetted welded type with M.S Angle | Qntl | 0.508 | 4610.00 | 2341.88 |
| | | | Total | 2785.53 |
| c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 443.65 | 33.27 |
| d) Contracor's Profit @ 7.5% on (a+b) | | 7.5% | 2785.53 | 208.91 |
| Carriage | Qntl | 0.508 | 24.79 | 12.59 |
| Rate per 0.508 Qntl | | | | 3040.30 |
| Rate per 1 Qntl | | | | 5984.84 |
| Add 1% Labour Cess | 1% | | | 59.85 |
| Rate per Qntl | Total | | | 6044.69 |
| Rate per M.T | | | | 60446.90 |
| | | | Say | 60446.90 |
| <i>Providing fitting and fixing of GCI sheet in roofing including all cost conveyance taxes etc. complete.</i> | | | | |
| Labour | | | | |
| Carpenter spl | nos | 0.5 | 495.00 | 247.50 |
| Fitter spl | nos | 1 | 495.00 | 495.00 |
| Mulia | nos | 2 | 345.00 | 690.00 |
| | | | | 1432.50 |
| Rate per sqm for Gr Floor | | 1432.50 | /9.3 | 154.03 |
| Cost of GCI sheet 0.4mm | sqm | 1.00 | 317.50 | 317.50 |
| | | | | 471.53 |
| c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 471.53 | 35.36 |
| d) Contracor's Profit @ 7.5% on (a+b) | | 7.5% | 471.53 | 35.36 |
| | | | | 542.25 |
| Add cost of Lead | sqm | 1.00 | | 0.00 |
| | | | | 542.25 |
| Cess @ 1% | | | | 5.42 |
| Rate per sqm | | | | 547.67 |
| | | | | 547.70 |

38 Providing & Fixing of Acoustical Mineral Fibre **Board of RH-99** with microperforated, finely granulated surface texture , beveled tegular edge with 6mm Black Revealed exposed grid Suspended False Ceiling System, with tiles of Humidity Resistance (RH) of 99%, NRC Upto 0.5, α_w value 0.6, CAC- 34dB ,Light Reflectance >85%, thermal Conductivity $k = 0.052- 0.057$ w/m K, Colour White, Fire Performance Class- 0/ Class -1 (BS476 Part 6&7) in module size of **600 X 600 X 16 mm** with Bio Block coating on the face of the tile, suitable for Green Building application, with Recycled content of 63%, fixed to G.I.grids of system with 15mm white flanges incorporating a 6mm central reveal in white/black colour and with a web height of 38mm , having stiches both perpendicular and horizontal to make it stronger, and a load carrying capacity of minimum 15.68 Kgs/Sqm. The Main Runners & Cross Tees to have mitred ends & "birdsmouth" notches to provide mitred cruciform junctions. The T Sections have a Galvanizing of 120 grams per SQM & **passed** Data for 19.53 Sqm

A Materials

| | | | | | |
|-----|---|-------------------|-----------|--------|-----------------|
| i | Shadow Wall Angle (3000x19x7x7x14)mm =4 x 14'-6" | 58.00 Rft | | | |
| | Wastage @ 5% | 2.90 Rft | | | |
| | | <u>60.90 Rft</u> | | | |
| | | or | 19.45 Rmt | 38.58 | 750.38 |
| ii | Main Runner(3000X38x15mm B/W) - 4 x 14'-6" | = 58.00 Rft | | | |
| | Wastage @ 5% | = 2.90 Rft | | | |
| | | <u>60.90 Rft</u> | | | |
| | | or | 18.56 Rmt | 70.87 | 1315.35 |
| iii | Cross Tee - (1200mm x 38mm x 15mm -B/W) - | | | | |
| | 7 x 3 x 4'-0" = | 84.00 Rft | | | |
| | 7 x 2 x 1'-3" = | 17.50 Rft | | | |
| | | <u>101.50 Rft</u> | | | |
| | Wastage @ 5% | = 5.08 Rft | | | |
| | | <u>106.58 Rft</u> | | | |
| | | or | 32.49 Rmt | 70.87 | 2302.57 |
| iv | Cross Tee - 600mm x 38mmX15mm- B/W) - | | | | |
| | 6 x 3 x 2'-0" = | 36.00 Rft | | | |
| | 2 x 3 x 1'-3" = | 7.50 Rft | | | |
| | | <u>43.50 Rft</u> | | | |
| | Wastage @ 5% | = 2.18 Rft | | | |
| | | <u>45.68 Rft</u> | | | |
| | | or | 13.92 Rmt | 70.87 | 986.51 |
| v | Accoustic Mineral Fiber Board RH-99 including wastage @ 5% = 19.53 + 0.98 = 20.51 | 20.51 Sqm | | 688.98 | 14130.98 |
| vi | Fittigs | | | | |
| | Rawl plug/Fastner | 42 Nos. | | 11.02 | 462.84 |
| | G I 9" connecting hooks with nuts and washer | 42 Nos. | | 6.30 | 264.60 |
| | G I wire-2mm dia | 2.00 Kg. | | 94.49 | 188.98 |
| | 65mm PVC Plug | 50 Nos. | | 0.79 | 39.50 |
| | Screws 50 mm x 8mm | 50 Nos. | | 0.83 | 41.52 |
| | | | | | 20483.23 |

B Hire Charges

| | | | |
|--------------------------------|----------|-------|---------------|
| Hire charges of drills machine | 1.50 Day | 86.96 | 130.44 |
| | | | 130.44 |

C Labour

| | | | | |
|--|------|------|----------|-----------------|
| Carpenter 1st class | 5.00 | Nos. | 495.00 | 2475.00 |
| Mulia | 5.00 | Nos. | 345.00 | 1725.00 |
| | | | | 4200.00 |
| Total = a + b + c | | | | 24813.67 |
| Overhead charges @ 7.5% | | 7.5% | 24813.67 | 1861.03 |
| Contractor profit @ 7.5% | | 7.5% | 24813.67 | 1861.03 |
| | | | | 28535.73 |
| Rate per sqm | | | | 1461.12 |
| Add Labour cess @ 1% | | 1% | 1461.12 | 14.61 |
| Rate per sqm | | | | 1475.73 |
| | | Say | | 1475.70 |
| 44 Factory made 30mm/32mm flush door shutter (nonsal hard wood framefixed with 4mm BWR ply on both side of frame) with all labour, iron fittings, and wooden hinged cleats etc fitted and fixed complete in all respect | | | | |

Unit = Sqm (A/R 2006-Page No-132 item-3)

Taking output = 1.88 Sqm

a) Materials

| | | | | |
|--|-----|------|---------|----------------|
| Flush door as per rate of director of industries @235.00 per sft | sqm | 1.88 | 2528.60 | 4753.77 |
| Wooden hinged cleats | Nos | 2 | 12.50 | 25.00 |
| | | | | 4778.77 |

b) Labour

Fixing Shutters

| | | | | |
|---------------------|------|------|--------|---------------|
| Carpenter 2nd Class | Each | 1.00 | 435.00 | 435.00 |
| Man Mulia | Each | 1.00 | 345.00 | 345.00 |
| | | | | 780.00 |

c) Overhead charges @ 7.5% on (a+b)

7.5% 5558.77 **416.91**

d) Contractor's Profit @ 7.5% on (a+b)

7.5% 5558.77 **416.91**

Rate per 1.88 Sqm = a+b+c+d+e

6392.59

Rate per 1 Sqm = (a+b+c+d+e)/1.88

3400.31

e) Fitting & Fixing of Oxidised Mild Steel

| | | | | |
|---|------|----|-------|--------|
| Butt Hinges 100x58x1.9mm | Each | 6 | 15.27 | 91.62 |
| Butt Hinges 50x37x1.5mm | Each | 2 | 0.00 | 0.00 |
| Handle 150mm | Each | 2 | 20.00 | 40.00 |
| Tower Bolt 200x10mm | Each | 1 | 30.09 | 30.09 |
| Aldrop 300x16mm | Each | 2 | 98.30 | 196.60 |
| Screw 35mm x6mm for Hinges 6 Nos. | Each | 50 | 0.59 | 29.72 |
| Screw 25mm x 4mm for Tower Bolts 2 Nos. | Each | 20 | 0.41 | 8.18 |
| Screw 20mm x 4mm for Aldrop 2 Nos. | Each | 4 | 0.38 | 1.53 |
| Rate per 1.88 Sqm | | | | 397.73 |

c) Overhead charges @ 7.5% on (a+b)

7.5% 397.73 **29.83**

d) Contractor's Profit @ 7.5% on (a+b)

7.5% 397.73 **29.83**

457.39

| | | | | |
|------------------------------|---------|---|------------|----------------|
| Rate per 1 Sqm | | | | 243.29 |
| Total Rate per 1 Sqm | 3400.31 | + | 243.29 | 3643.60 |
| Add towards Labour Cess @ 1% | | | 1% | 3643.60 |
| | | | | <u>36.44</u> |
| | | | | 3680.04 |
| Total Rate per 1 Sqm | | | Say | 3680.00 |

45 Supplying fitting fixing 5mm thick Black glass (I.S.I.)

| | | | | |
|---|-----|------|------------|---------------|
| Cost of 5mm thick black glass with 10 wastage | sqm | 1.10 | 608.40 | 669.24 |
| d) Overhead charges @ 7.5% on (a+b) | | 7.5% | 669.24 | 50.19 |
| e) Contracor's Profit @ 7.5% on (a+b) | | 7.5% | 669.24 | 50.19 |
| | | | | <u>769.62</u> |
| Add Labour Cess 1% | | | 1% | 7.70 |
| | | | | 777.32 |
| | | | Say | 777.30 |

53 Providing & fixing of **side hung door** of approved make to be fabricated from **roll formed sections** made of pre -painted steel (base steel as per IS-513 of 0.60 mm thick "D" quality, galvanised as per IS-277 with zinc of 120 gm/sqm)with total coated thickness of 0.55 mm slide guide section should be made of 0.5 mm stainless steel of 430 grade with paint specification being with primer of 5-7 microns thick & finished paint with polyester paint(Black/Pearlwhite/Chocolate brown) of 12-16 microns along with the alkyd backer at the back of 5-7 microns & sections for external frame bottom & top should be of 79x45 mm external frame sides should be of 69x24 mm, guide for top & bottom should be of 69x26 mm (stainless steel). section for shutter should be of 26x30 mm, sash bar should be of 23x57 mm .Accessories/gaskets are to be used as per the manufacturer's supply & specification like gasket will be made of EPDM . All corner brackets for internal & external are to be made of glass filled nylon. The sections are to be cut to length, joined & assembled by means of corner bracket &frames are fixed to the concrete/ masonry walls by means of self expanding screws &board to be with 50% **9mm pre-laminated board and 50% 9mm thick glass** with all taxes complete.

Data for 1.74 sqm

E)Labour

| | | | | |
|--------------|-----|-------|--------|--------|
| Hig skilled | nos | 1.870 | 495.00 | 925.65 |
| Semi skilled | nos | 1.870 | 385.00 | 719.95 |

Materials

A) Profile

| | | | | |
|----------------------|-----|-------|--------|---------|
| Outer frame Po-527 | mts | 5.339 | 0.00 | 0.00 |
| sash bar Po -101 | mts | 1.525 | 617.97 | 942.40 |
| Shutter frame Po-153 | mts | 6.102 | 409.19 | 2496.88 |

B)Accessories

| | | | | |
|--|-----|-------|--------|--------|
| Outer frame corner | nos | 2.000 | 33.73 | 67.46 |
| Side hung door/pc | nos | 1.000 | 34.65 | 34.65 |
| Door lock / Pc | nos | 1.000 | 465.87 | 465.87 |
| sash bar / pc | nos | 2.000 | 357.75 | 715.50 |
| Wall fixing with polymide anchor at every 600mm c/c of outer frame | nos | 7.000 | 20.48 | 143.36 |

C)Gasket

| | | | | |
|--|------------|--------------|---------------|----------------|
| For sashbar Po-101 | mts | 1.525 | 63.27 | 96.49 |
| For shutter Po-153 | mts | 6.102 | 0.00 | 0.00 |
| D)Board | | | | |
| Cost of 9mm thick pre laminated board | sqm | 0.870 | 0.00 | 0.00 |
| Cost of 9mm thick glass | sqm | 0.870 | 672.91 | 585.43 |
| | | | Total | 7193.64 |
| F) Overhead charges @ 7.5% on (A+B+C+D+E) | | 0.075 | 7193.64 | 539.52 |
| G) Contracor's Profit @ 7.5% on (A+B+C+D+E) | | 0.075 | 7193.64 | 539.52 |
| | | | | 8272.68 |
| Total rate for 1.0 sqm (a+b+c+d+e+f)/1.74 | | | | 4754.41 |
| Add Labour Cess 1% | | | 1% | 47.54 |
| | | | | 4801.95 |
| | | | Say | 4802.00 |

54 Carriage of excavated earth by mechanical means within 5KM lead (excluding loading charges)

| | | | | |
|--|--|------|--------|---------------|
| Carriage for 1st 5 KM including loading & unloading | | | | 149.67 |
| Contractor's Profit @ 0.075 on (a+b) | | 7.5% | 149.67 | 11.23 |
| Overhead charges @ 0.075 on (a+b) | | 7.5% | 149.67 | 11.23 |
| | | | | 172.13 |
| Add 1% for CESS | | 1.0% | 172 | 1.72 |
| | | | | 173.85 |

Say 173.90

55 Loosening levelling & compacting original ground supporting embankment to facilitate a placement of 1st layer of embankment up to a depth of 150mm mixed with water at OMC & then and then compacted by rolling as per Clause 300.20 for embankment construction as per Clause No- 305.3.4 of MoRTH specification. A/R Item No- 37, Page- 158

| | | | | |
|------------------|-------------------------------|--------|-----|-----------------|
| Data for 600 Cum | | | | |
| a | Labour | | | |
| | Mate | 0.08 | Nos | 385.00 |
| | Mazdoor | 2.00 | Nos | 345.00 |
| | | | | 720.80 |
| b | Masonry | | | |
| | Tractor with Ripper | 6.00 | Hrs | 378.55 |
| | Vibrating Roller | 7.50 | Hrs | 1538.54 |
| | Water Tanker | 4.00 | Hrs | 900.84 |
| | | | | 17413.71 |
| c | Materials | | | |
| | Cost of Water | 24.00 | KLA | 10 |
| d | OHC & cont.profit @15%(a+b+c) | 0.15 | | 18374.51 |
| | Rate per 600 Cum (a+b+c+d+e) | | | 21130.69 |
| | Rate per 1 Cum | 600.00 | | 21130.69 |
| | Add for labour cess @1% | | | 0.35 |
| | | | | 35.57 |

9 Providing close graded granular subbase with Grading-III materials

4.1-401 (B) As per A/R P 160 Item 39

Out put 300 cum

a Labour

| | | | | |
|-----------------|-------|-----|--------|----------------|
| Mate | 0.48 | nos | 385.00 | 184.80 |
| Skilled Mazdoor | 2.00 | nos | 435.00 | 870.00 |
| Mazdoor | 10.00 | nos | 345.00 | 3450.00 |
| | | | Total | 4504.80 |

b Machinery

| | | | | |
|-------------------|-------|-----|---------|-----------------|
| Moter grader | 6.00 | hrs | 2391.39 | 14348.34 |
| Vibrating roller | 6.00 | hrs | 1538.54 | 9231.24 |
| Tractor rotavator | 12.00 | hrs | 373.55 | 4482.60 |
| Water tanker | 3.00 | hrs | 900.84 | 2702.52 |
| | | | | 30764.70 |

c Materials(For Grading-III)

| | | | | |
|---------------------------|--------|-----|-------|----------------|
| 9.5 mm to4.7mm @35% | 134.40 | Cum | 19.50 | 2620.80 |
| 4.7mm to2.36mm @12.5% | 48.00 | Cum | 5.25 | 252.00 |
| Dust 2.36mm below @ 52.5% | 201.60 | Cum | 5.25 | 1058.40 |
| cost of water18KL / 6KL | 18.00 | KL | 10.00 | 180.00 |
| | | | | 4111.20 |

d OHC cont.profit 15% on(a+b+c)

| | | | | |
|------|--|--|----------|----------------|
| 0.15 | | | 39380.70 | 5907.11 |
|------|--|--|----------|----------------|

e Carriage & Royalty

| | | | | |
|---------------------------|--------|-----|--------|-----------------|
| 9.5 mm to4.7mm @35% | 134.40 | Cum | 100.00 | 13440.00 |
| 4.7mm to2.36mm @12.5% | 48.00 | Cum | 100.00 | 4800.00 |
| Dust 2.36mm below @ 52.5% | 201.60 | Cum | 100.00 | 20160.00 |
| | | | | <u>38400.00</u> |

Ratefor300 cum

83687.81

Rate per one cum

| | | | | |
|--------|--|--|----------|--------|
| 300.00 | | | 83687.81 | 278.96 |
|--------|--|--|----------|--------|

Add for labour cess @1%

2.79

281.75

281.70

56 Construction of cement concrete kerb with top and bottom width 115 and 165 mm respectively, 250 mm high in M 20 grade PCC on M-10 grade foundation 150mm thick, foundation having 50mm projection beyond kerb stone, kerb stone laid with kerb laying machine, foundation concrete laid manually, all complete as per clause 408

Unit-Running metre Taking output-360 metre

Cement concrete of grade M-20 = 12.60 cum

Cement concrete of grade M-10 for base = 11.61 cum

Total concrete = 24.21 cum

Labour

| | | | | |
|-------------------|------------|--|--------|---------|
| Mate | 0.72 each | | 385.00 | 277.20 |
| Mason (2nd class) | 2.00 each | | 435.00 | 870.00 |
| Mazdoor | 16.00 each | | 345.00 | 5520.00 |

Machinery

| | | | | |
|---------------------------------------|------------|--|--------|---------|
| Kerb casting machine @ 60 metre/hour | 6.00 hour | | 309.55 | 1857.30 |
| Concrete mixer 0.48/0.28 cum capacity | 12.00 hour | | 229.55 | 2754.60 |
| water tanker 6 KL capacity | 5.00 hour | | 900.84 | 4504.20 |

Materials

| | | | |
|---|------------|-----------|----------------------|
| crushed stone aggregate 20mm nominal size 59% | 21.79 cum | 19.50 | 424.91 |
| sand | 10.90 cum | 5.25 | 57.23 |
| cement | 5.70 tonne | 0.00 | 0.00 |
| cost of water | 30.00 Kl | 10 | 300.00 |
| | | | Rs. 16,565.43 |
| O.H.C @ 7.5% | 7.5% on | 16,565.43 | Rs. 1,242.41 |
| Contractors profit @ 7.5% | 7.5% on | 16,565.43 | Rs. 1,242.41 |
| Lead & royalty of Material | | | |
| crushed stone aggregate 20mm nominal size 59% | 21.79 cum | 100.00 | 2179.00 |
| sand | 10.90 cum | 125.00 | 1362.50 |
| cement | 5.70 tonne | 0.00 | 0.00 |
| cost for 360 metre | | | Rs. 22,591.75 |
| Add @ 1% for cess | | | Rs. 225.92 |
| | | | <u>Rs. 22,817.67</u> |
| Rate for one metre | | | Rs. 63.38 |

57 Clearing grass and removal of rubbish up to a distance of 50 metres outside the periphery of the area .

Unit = Sqm (A/R 2006-Page No-196 item-2)

Taking output = 1 Hectare

a) Labour

| | | | | |
|-----------|------|--------|--------|-----------------|
| Mate | Each | 2.000 | 385.00 | 770.00 |
| Man Mulia | Each | 50.000 | 345.00 | 17250.00 |
| | | | | <u>18020.00</u> |

b) Overhead charges @ 7.5%

7.5% 18020.00 **1351.50**

c) Contracor's Profit @ 7.5%

7.5% 18020.00 **1351.50**

20723.00

Rate per 1 Sqm = a+b+c

2.07

Add towards Labour Cess @ 1%

1% 2.07 0.02

2.09

Say 2.10

58 *Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.(80x1.25 mm M.S. laths with 1.25 mm thick top cover)*

Unit = Sqm

(DAR 2018-Page No-675 item-10.6.1)

Taking output = 3m X 2.5m=7.5 Sqm

a) Materials

| | | | | |
|--|-------|-----|---------|----------|
| Rolling shutter made of 80x1.25 mm machine rolled laths | sqm | 7.5 | 1400.00 | 10500.00 |
| Top cover for rolling shutters 1.25 mm thick | meter | 2.5 | 800.00 | 2000.00 |
| 27.5 cm long wire spring grade no 2 for rolling shutters | each | 1 | 300.00 | 300.00 |

12800.00

b) Labour(Fixing Shutters)

| | | | | |
|------------------|-----|------|--------|---------|
| Fitter (grade 1) | day | 2.55 | 495.00 | 1262.25 |
| Beldar | day | 2.55 | 345.00 | 879.75 |
| Mason 1st class | day | 0.12 | 495.00 | 59.40 |
| Mason 2nd class | day | 0.12 | 435.00 | 52.20 |

2253.60

c) Carriage

| | | | |
|-----|-------|------|--------|
| L.S | 53.82 | 2.00 | 107.64 |
|-----|-------|------|--------|

d) Overhead charges @ 7.5% on (a+b)

| | | |
|------|----------|---------|
| 7.5% | 15053.60 | 1129.02 |
|------|----------|---------|

e) Contractor's Profit @ 7.5% on (a+b)

| | | |
|------|----------|---------|
| 7.5% | 15053.60 | 1129.02 |
|------|----------|---------|

Rate per 7.5 Sqm = a+b+c+d+e

17419.28

Rate per 1 Sqm =(a+b+c+d+e)/7.5

2322.57

Add towards Labour Cess @ 1%

| | | |
|----|---------|-------|
| 1% | 2322.57 | 23.23 |
|----|---------|-------|

2345.80

Total Rate per 1 Sqm

Say 2345.80

59 **M.S Panneled Door** single leaf shutter with M.S frame including frame made out of M.S angle and panel shutter with C.R sheet

Unit = Kg.

Taking output = 1 Kg.

| | | | | |
|---|-----|-------|------------|--------------|
| Cost of Grill as per EPM Rate | kg | 1.00 | 67 | 67.00 |
| Labour for fixing-Taking 3 kg/Sft i.e 32.28 kg/sqm as per S/R-2006 item-6 | sqm | 67.40 | 32.28 | 2.09 |
| | | | Total | Rs 69.09 |
| Overhead charges @ 7.5% on (a+b) | | 7.5% | 69.09 | 5.18 |
| Contractor's Profit @ 7.5% on (a+b) | | 7.5% | 69.09 | 5.18 |
| Carriage | kg | | 161.72 | 0.162 |
| | | | | 79.61 |
| Add towards Labour Cess @ 1% | | 1% | 79.61 | 0.80 |
| | | | | 80.41 |
| | | | Say | 80.40 |

| | | | | | |
|----|---|------|--------|------------|-----------------|
| 55 | Clearing grass and removal of rubbish up to a distance of 50 metres outside the periphery of the area . | | | | |
| | Unit = Sqm (A/R 2006-Page No-196 item-2) | | | | |
| | Taking output = 1 Hectare | | | | |
| | a) Labour | | | | |
| | Mate | Each | 2.000 | 385.00 | 770.00 |
| | Man Mulia | Each | 50.000 | 345.00 | 17250.00 |
| | | | | | 18020.00 |
| | b) Overhead charges @ 7.5% | | 7.5% | 18020.00 | 1351.50 |
| | c) Contractor's Profit @ 7.5% | | 7.5% | 18020.00 | 1351.50 |
| | | | | | 20723.00 |
| | Rate per 1 Sqm = a+b+c | | | | 2.07 |
| | Add towards Labour Cess @ 1% | | 1% | 2.07 | 0.02 |
| | | | | | 2.09 |
| | | | | Say | 2.10 |

68

Providing, laying, spreading and compacting graded stone aggregate to **Wet Mix Macadam** specification including premixing the material with water at OMC in mechanical mix plant, carriage of mixed material by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density as per Clause 406 of MoRT&H Specifications for Road & Bridge works (4th Revision)

| | | | | | |
|----|---|------|------|--------|--------|
| | Unit = cum | | | | |
| | Taking output = 225 cum (495 tonnes) | | | | |
| a) | Labour | | | | |
| | Mate | 0.48 | each | 385.00 | 184.80 |
| | Mazdoor skilled | 2.00 | each | 435.00 | 870.00 |

| | | | | | |
|----|--|---------|------|---------|---------------------|
| | Mazdoor unskilled | 10.00 | each | 345.00 | 3450.00 |
| b) | Machinery | | | | |
| | Wet mix plant of 75 tonne hourly capacity | 6.60 | hour | 1700.00 | 11220.00 |
| | Electric generator 125 KVA | 6.00 | hour | 1341.16 | 8046.96 |
| | Front end loader 1 cum capacity | 6.00 | hour | 804.86 | 4829.16 |
| | Paver finisher Mechanical 100TPH | 6.00 | hour | 1143.90 | 6863.40 |
| | Vibratory roller 8 - 10 tonne (6.00 x 0.65*) | 3.90 | hour | 1538.54 | 6000.31 |
| | Water tanker 6 KL capacity | 3.00 | hour | 900.84 | 2702.52 |
| | Tipper | 495.00 | 60 | 3.86 | 114642.00 |
| | Add 10 per cent of cost of carriage to cover cost of loading and unloading | | | | 11464.20 |
| c) | Material (Table 400-11) | | | | |
| | 45 mm to 22.4 mm@ 30 % (26.5 mm) | 89.10 | cum | 1097.74 | 97808.63 |
| | 22.4 mm to 2.36 mm @ 40 % (13.2 mm + 6.7 mm) | 118.80 | cum | 1370.27 | 162788.08 |
| | 2.36 mm to 75 micron@ 30 % | 89.10 | cum | 136.33 | 12147.00 |
| | Cost of water | 18.00 | KL | 10.00 | 180.00 |
| | | | | | 443197.06 |
| c) | O.H.C @ 7.5% | | | | 33239.78 |
| d) | Contractors profit @ 7.5% | | | | 33239.78 |
| e) | Carriage & royalty of Material(Table 400-11) | | | | |
| | 45 mm to 22.4 mm@ 30 % | 89.10 | cum | 100.00 | 8910.00 |
| | 22.4 mm to 2.36 mm @ 40 % | 118.800 | cum | 100.00 | 11880.00 |
| | 2.36 mm to 75 micron@ 30 % | 89.10 | cum | 100.00 | 8910.00 |
| | | | | Total = | 539376.62 |
| | Add 1% for CESS | | | | 5393.77 |
| | Total = | | | | 544770.38 |
| | Rate per One Cum | | | | Rs. 2,421.20 |

69 Supplying, fitting & fixing of 80 mm Th. Cementconcrete interlocking paver block of M40 grade of approved make, design,colour & and size madeby block machine with proper compaction laid in required patten etc.complete in all respect confirming to IRC SP63-2018 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 (A/R SOR 2022-Page No-233 New Miscellaneous item-02)

Taking output = 10Sqm

a) Materials

| | | | | |
|--|-----|--------|--------|----------------|
| 80 mm Th. M40 Grade of Cement concrete paver block | Sqm | 10.000 | 529.04 | 5290.40 |
| Fine sand for interlocking | Cum | 0.150 | 76.88 | 11.53 |
| Course sand for bedding | Cum | 0.500 | 71.94 | 35.97 |
| | | | | 5337.90 |

| | | | | |
|--|------|--------|------------|---------------|
| b) Labour | | | | |
| Man Mulia | Each | 0.08 | 385.00 | 30.92 |
| | | | | 30.92 |
| c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 5368.82 | 402.66 |
| d) Contractor's Profit @ 7.5% on (a+b) | | 7.5% | 5368.82 | 402.66 |
| e) Carriage & Royalty | | | | |
| 80 mm Th. M40 Grade of Cement concrete paver block | Sqm | 10.000 | 28.28 | 282.77 |
| Fine sand for interlocking | Cum | 0.150 | 1395.16 | 209.27 |
| Course sand for bedding | Cum | 0.500 | 571.46 | 285.73 |
| | | | | 777.77 |
| Rate per 10 Sqm = a+b+c+d+e | | | | 6951.91 |
| Rate per 1 Sqm = (a+b+c+d+e)/10 | | | | 695.19 |
| Add towards Labour Cess @ 1% | | 1% | 695.19 | 6.95 |
| | | | | 702.14 |
| | | | Say | 702.10 |

70 Supplying, fitting & fixing of 60 mm Th. Cementconcrete interlocking paver block of M30 garde of approved make, design,colour & and size madeby block machine with proper compaction laid in required patteren etc.complete in all respect confirming to IRC SP63-2018 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 (A/R SOR 2022-Page No-233 New Miscellaneous item-01)


Taking output = 10Sqm

| | | | | |
|--|------|--------|---------|----------------|
| a) Materials | | | | |
| 60 mm Th. M30 Grade of Cement concrete paver block | Sqm | 10.000 | 421.98 | 4219.80 |
| Fine sand for interlocking | Cum | 0.120 | 76.88 | 9.23 |
| Course sand for bedding | Cum | 0.500 | 71.94 | 35.97 |
| | | | | 4265.00 |
| b) Labour | | | | |
| Man Mulia | Each | 0.08 | 385.00 | 29.49 |
| | | | | 29.49 |
| c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 4294.49 | 322.09 |
| d) Contractor's Profit @ 7.5% on (a+b) | | 7.5% | 4294.49 | 322.09 |
| e) Carriage & Royalty | | | | |
| 60 mm Th. M30 Grade of Cement concrete paver block | Sqm | 10.000 | 28.28 | 282.77 |
| Fine sand for interlocking | Cum | 0.120 | 1395.16 | 167.42 |
| Course sand for bedding | Cum | 0.500 | 571.46 | 285.73 |
| | | | | 735.92 |

| | | | |
|---------------------------------|----|--------|---------------|
| Rate per 10 Sqm = a+b+c+d+e | | | 5674.58 |
| Rate per 1 Sqm =(a+b+c+d+e)/10 | | | 567.46 |
| Add towards Labour Cess @ 1% | 1% | 567.46 | 5.67 |
| | | | <u>573.13</u> |
| | | Say | 573.10 |

71 Providing fitting and fixing of ALU sheet in roofing including all cost conveyance taxes etc. complete.

| | | | |
|---------------------------------------|-----|---------|---------|
| Labour | | | |
| Carpenter spl | nos | 0.5 | 495.00 |
| Fitter spl | nos | 1 | 495.00 |
| Mulia | nos | 2 | 345.00 |
| | | | 1432.50 |
| Rate per sqm for Gr Floor | | 1432.50 | /9.3 |
| Cost of GCI sheet 0.4mm | sqm | 1.00 | 774.72 |
| | | | 928.75 |
| c) Overhead charges @ 7.5% on (a+b) | | 7.5% | 928.75 |
| d) Contracor's Profit @ 7.5% on (a+b) | | 7.5% | 928.75 |
| | | | 1068.07 |
| Add cost of Lead | sqm | 1.00 | 0.00 |
| | | | 1068.07 |
| Cess @ 1% | | | 10.68 |
| Rate per sqm | | | 1078.75 |
| | | | 1078.80 |


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 Samagra Sikhya Ganjam,
 Sanakhemundi Block


Asst. Conservator of Forest
 Berhampur Division

SITE LAYOUT PLAN



AREA=15651.347 SQMT
(3.86 ACRES)

1. ENTRY-1 ,ENTRY-2
2. BOUNDARY WALL(CONC. PILLAR AND WIRE MESH-725 MT
3. PAVEMENT 1 WITH CURB AREA-1790 SQMT
4. PAVEMENT 2 WITH CURB AREA-860 SQMT
5. PAVEMENT 3 WITH CURB AREA-320 SQMT
6. SEATING-3 NOS.
7. LAWN AREA INFRONT OF COTTAGE-902SQMT
8. COTTAGE EXTERIOR,INTERIOR WITH FURNITUE
9. DINING WITH SEATING TABLES
10. KITCHEN
11. GARDEN-350 SQMT
12. CHILDREN'S PLAY AREA
13. RAISED PLATFORM FOR LAKE VIEW
14. FOUNTAIN-2 NOS
15. VIP PARKING
16. SEATING BENCH-4NOS.

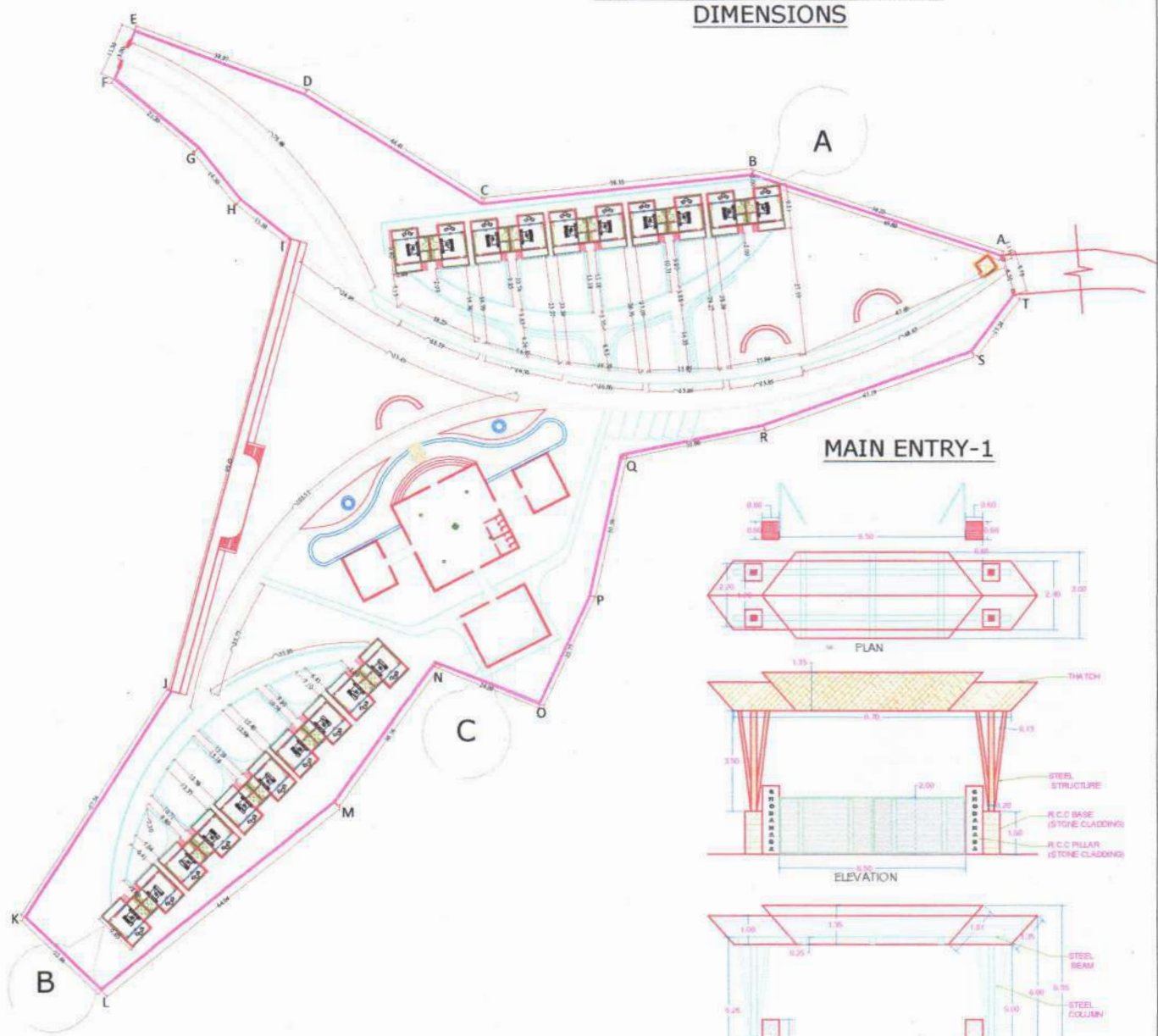
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| | | | DESIGNED BY AD. ARADRESHA | CHECKED BY | DRAWN BY | DATE OF PREPARATION | |

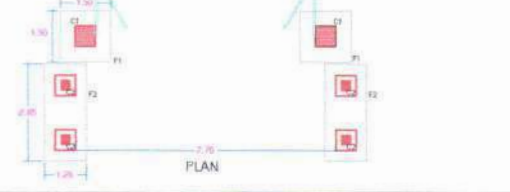
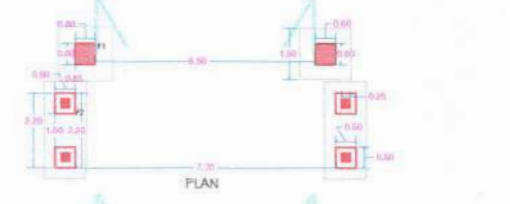
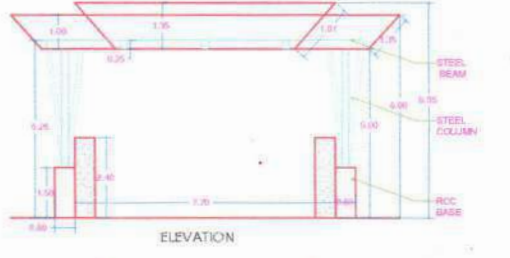
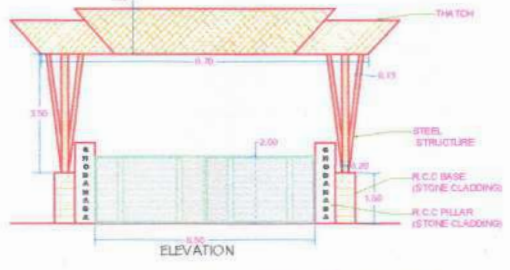
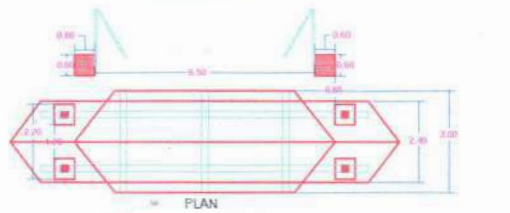
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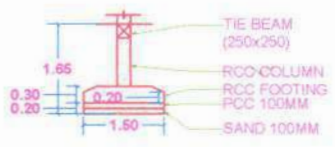
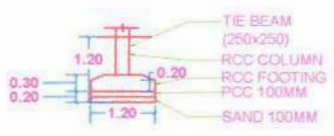
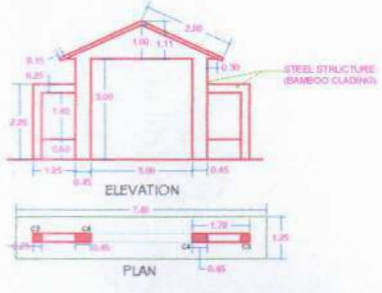
SITE LAYOUT WITH OVER-ALL DIMENSIONS



MAIN ENTRY-1



ENTRY-2



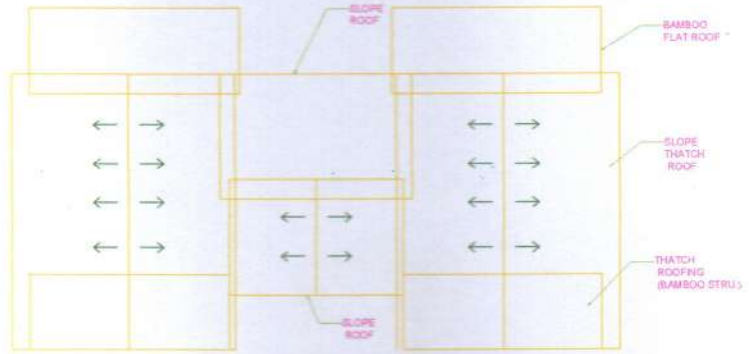
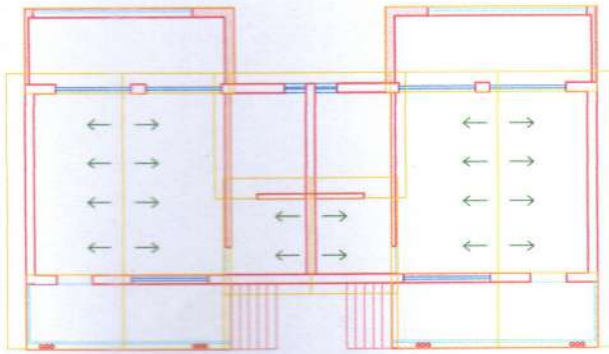
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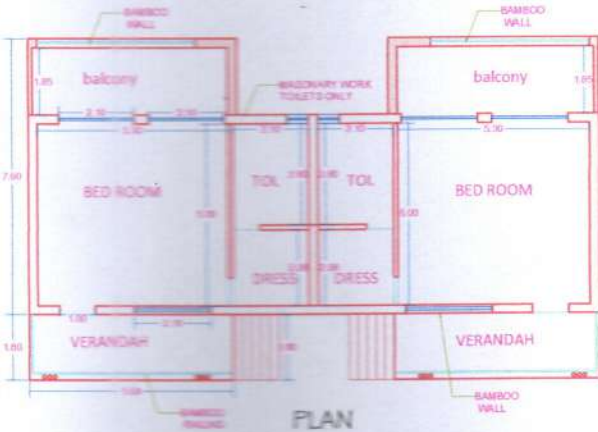
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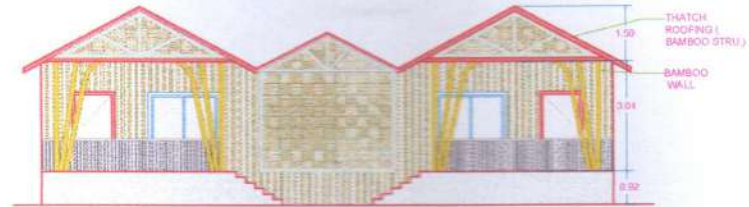
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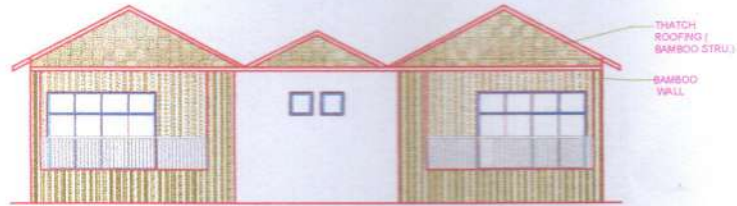
ROOF PLAN



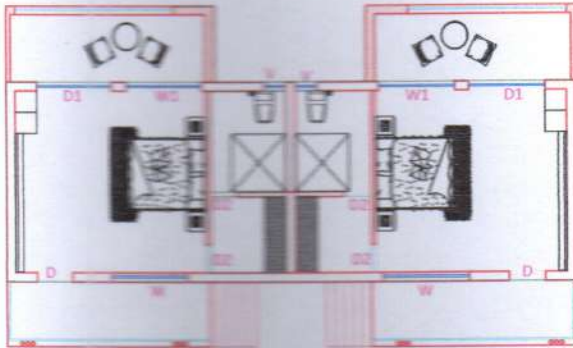
PLAN



FRONT ELEVATION



REAR ELEVATION



FURNITURE LAYOUT

| DOOR & WINDOW SCHEDULE | | | |
|------------------------|------|-------------|---------------------------|
| SL. NO | TYPE | SIZE | DESCRIPTION |
| 1 | D | 1.00 X 2.10 | T.W. FRAMED PANELLED DOOR |
| 2 | D1 | 1.20 X 2.10 | ALL SIDING DOOR |
| 3 | D2 | 0.75 X 2.10 | PVC DOOR |
| 4 | W | 1.50 X 1.35 | FRAMED GLAZED WINDOW |
| 5 | W1 | 1.20 X 2.10 | FRAMED GLAZED WINDOW |
| 6 | V | 0.60 X 0.60 | FIXED LOUVRE |

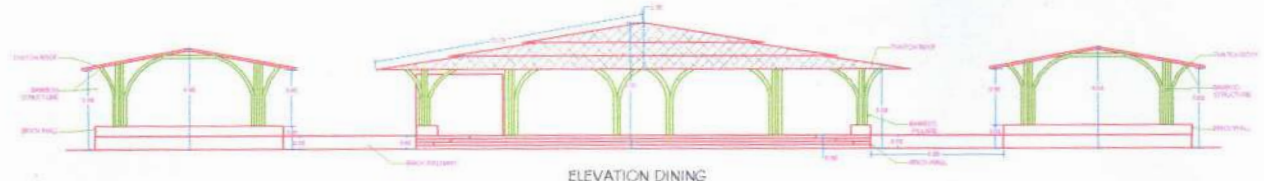
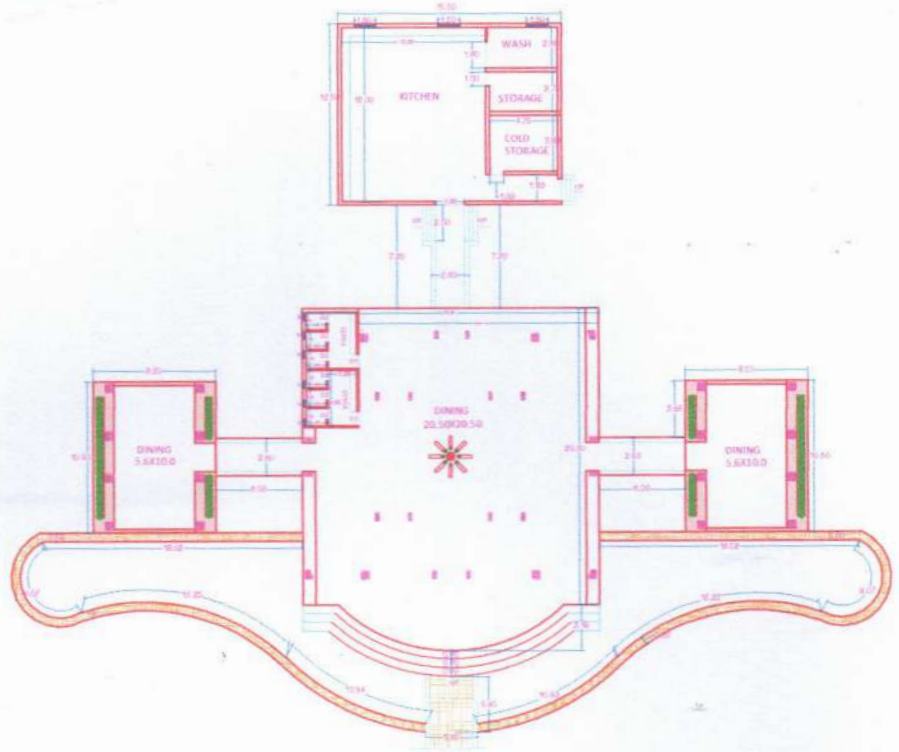
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| APPROVED BY: | DRG. NO.: VVP/2004/00001 | REV. NO.: 00 | DATE OF PROJECT: 13-02-2004 | CHECKED BY: [Signature] | | | | | | | | | | | | | | | | | | | |

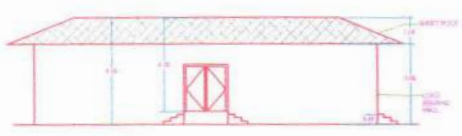
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 District Project Co-ordinator
 Sanjaya Sibiya Gantam.

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DINING AND KITCHEN DETAILS

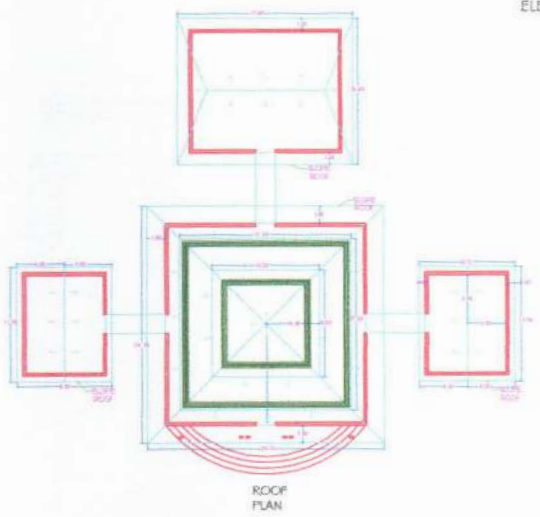


ELEVATION DINING

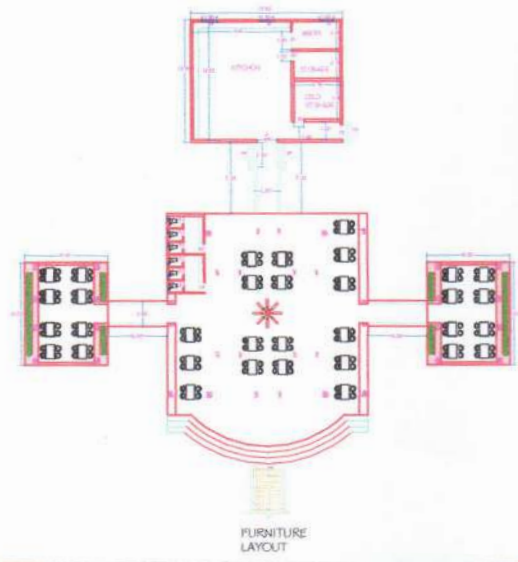


ELEVATION KITCHEN

| NO. | TYPE | DETAILS |
|-----|-------------|------------------------|
| 1 | 2.00 X 2.00 | WALNUT TOP |
| 2 | 1.00 X 1.00 | RED MARBLES |
| 3 | 0.75 X 1.25 | PPG GLASS |
| 4 | 0.75 X 1.25 | TR. WOODEN PANELS WITH |
| 5 | 1.00 X 1.00 | TRAVERTINE MARBLE |
| 6 | 1.00 X 1.00 | TRAVERTINE |



ROOF PLAN



FURNITURE LAYOUT

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DRG. TITLE
WORKING
DRAWING

DATE
13-02-2024

SCALE
MTS

CLIENT
Divisional Forest
Officer, Bramhapur

DRG. NO.
WAPUR04024001

REV. NO.
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TYPE OF PROJECT
LANDSCAPE
DESIGN

DESIGNER
AR. ASADRAHA

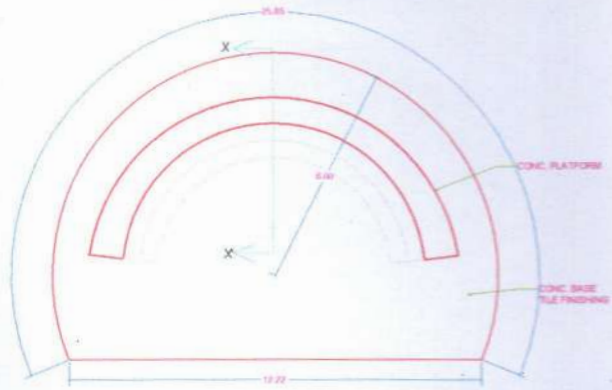
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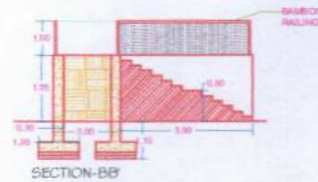
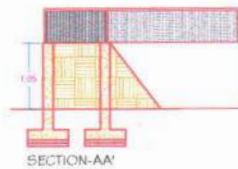
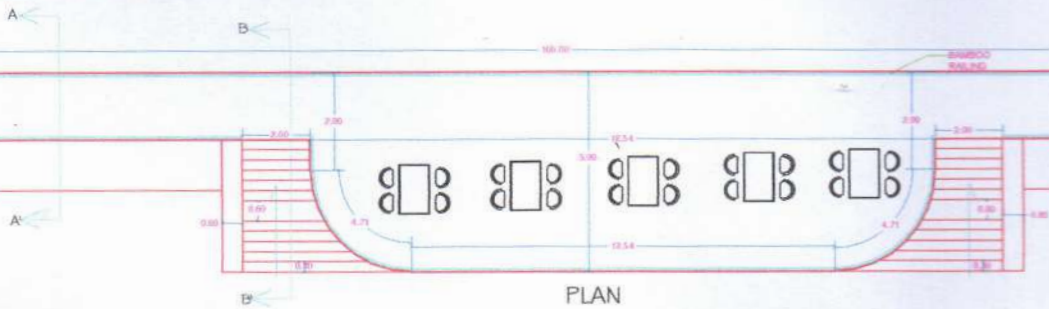
Chhavi
Technical Consultant
B.E. in Civil Engg.

Praveen

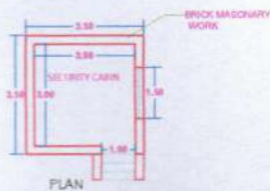
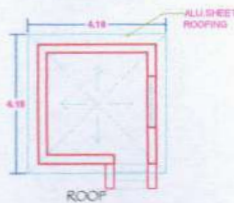
SEATER



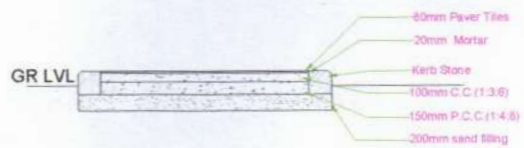
RAISED PLATFORM FOR LAKE VIEW



SECURITY CABIN



PAVEMENT DETAILS



PROJECT:
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