

Part – I

DIRECTOR
SCHOOL EDUCATION DEPARTMENT

K. LALTHAWMMAWIA

1. Name of Work : **Reconstruction of Govt. Chawnpui P/S**
2. Name of location/Village : **Aizawl**
3. Amount : **Rs 34,28,860.38/-**
4. Completion Period : **Within 6 months**
5. Date of issue of Inviting Tender : **3rd August, 2018**
6. Deadline for receiving Bids : **23rd August, 2018 upto 12:00 noon**
7. Time & Date for Opening Technical Bids : **23rd August, 2018 at 1:00 pm**
8. Time & Date for Opening Financial Bids : **24th August, 2018 at 10:00 am**
9. Place of Opening Bids : **Director Chamber, Directorate of School Education, Mizoram.**
10. Last date of Bid validity : **90 days from opening of technical bid**
11. Officer Inviting Bids : **Director of School Education, Mizoram**

Part – II

INFORMATION TO BIDDERS (ITB)

1. Scope of Bid –

- 1.1 The purpose of this assignment is to obtain independent and objective assessment of the Technical quality of all construction works to be completed and to assure that the Civil works are constructed with good construction materials and as per desired standard of good quality construction.
- 1.2 The Successful Bidder will be expected to complete the works by the intended completion date specified in part – I.
- 1.3 Extension of time will be allowed only if the Hindrance is submitted to Director and were found reasonable.

2. Eligible Bidders –

- 2.1 This Invitation for Bids is opened to all bidders as defined in clause 3 of ITB.
- 2.2 Bidder shall not be under a declaration of ineligibility for corrupt and fraudulent practices by the Central Government, State Govt. or any Public undertaking by whatever name called under the Central or the State Govt.

3. Qualification of the Bidders-

- 3.1 All Bidders shall include the following information and Documents with their bids.
 - (a) Attested Copies of documents defining the bidder is an eligible contractor (for particular work) of valid registered under Govt. of Mizoram or Govt. of India.
 - (b) Experience in commencing the same nature of Work with value of Works performed for each of the last 5 years certified from the concerned officer not below the rank of Executive Engineer or equivalent (in case of work under Govt.) and supported by copies of work order.
- 3.2 Each bidder must produce:
 - (a) An affidavit that the information furnished with the bid Documents is correct in all respects.
 - (b) HTPC
- 3.3 Work Methodology
- 3.4 Bank Certificate showing soundness of capital investments with the form given in Part III
- 3.5 Applicable clearance certificate of Tax from Taxation Department; Govt. of Mizoram.

4. Disqualification

4.1 Absence of anyone of the documents stated on clauses 3 & 12.1 will be disqualified with the acceptance of the Bidders.

Even though the bidders meet the above qualifying criteria, they are subject to be disqualified if they have:

- (a) Made misleading or false representation in the forms, Statements, Affidavits and attachment, submitted in proof of the qualification requirements, and /or
- (b) Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.
- (c) Participated in previous bidding for the same work and had quoted unreasonably high or low bid prices and could not furnish rational justification for it to the employers.
- (d) In quoting the Rates, bidder must take reference from the rate indicated in the Mizoram PWD Schedule of rates 2013.

5. No. of Bid per bidder

5.1 Each bidder shall submit only 1 bid for 1 work. A bidder who submits more than 1 bid for the same work will cause the proposals with the bidder's participation to be disqualified.

6. Site Visit.

6.1 The Bidder, at his own cost, responsibility and risk, is encouraged to visit, examine and familiarize himself with the site of work and its surroundings.

7. Pre-Bid Meeting –

7.1 Pre-bid Meeting will be held at Director, Chamber on 10th August, 2018, 10:00 am.

7.2 The Bidder or his authorize representative is invited to attend Pre-Bid Meeting.

7.3 The purpose of the Meeting will be to clarify issues and to answer Question to any matter that may be raised at the stage.

7.4 Non-Attendance at the Pre-Bid Meeting will not be a cause for disqualification of a bidder.

8. Amendment of Bidding Documents-

8.1 Before the deadline for submission of bids, the employer may modify the bidding documents by issuing addenda.

8.2 Any addendum thus issued shall be part of the bidding documents and shall be notified.

- 8.3 To give prospective bidders reasonable time in which to take an addendum into account in preparing their bids, the employers shall extend, as necessary, the deadline for submission of bids.

9. Language of Bids-

- 9.1 All Documents relating to the bid shall be in English or Mizo.

10. Documents Comprising the Bids –

- 10.1 The Bids submitted by the bidder shall be in two separate parts.

Part-I

It shall be named “Technical Bid” and shall comprise of –

- (a) Earnest Money in a separate sealed envelope cover marked, “Earnest Money.”
- (b) Qualification information, supporting documents, affidavit as specified in clause 3 of ITB.
- (c) Tender Document giving signature in every page (including blank page).

Part-II

It shall be named “Financial Bid” and shall comprise of –

- (a) Form of bid as specified in Part V
- (b) Priced Bill of Quantities as specified in Part VII

Each part shall be separately sealed and marked in accordance with sealing and marking instruction in clause 14.

11. Bid Price-

- 11.1 All duties, taxes, royalties and other levies payable by the Contractor under the Contract, or for any other cause, shall be included in the rates, prices, and total bid price submitted by the bidder. The employer shall not be bound to any liability in this regard.
- 11.2 The rates and prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subjected to adjustment unless otherwise approved by Director.

12. Earnest Money.

- 12.1 The bidder shall furnish, as part of the bid, Earnest Money of 2% of the estimated cost.
- 12.2 The Earnest Money shall, at the Bidder’s option, be in the form of anyone of the following issued in favour of the name given in Part – I (Employer):
- i) Treasury Challan
 - ii) Deposit at call receipt of a scheduled bank guaranteed by RBI
 - iii) Banker’s cheque of a scheduled bank

- iv) Demand draft of a scheduled bank
 - v) Fixed Deposit Receipt (FDR) of a scheduled bank
- 12.3 The Earnest Money of unsuccessful bidders will be returned.
- 12.4 The Earnest Money of the successful bidder will be discharged when the bidder has signed the Agreement and furnished the required Performance security.

13. Format and Signing of Bids:

- 13.1 The Bidder shall submit 1 set of the bid comprising of the Documents as describe in clause 10.
- 13.2 All Pages of the bid shall be signed by the person (bidder).
- 13.3 The bids shall contain no over writing, alteration or addition, except those to comply with instructions issued by the employer, or as necessary to correct errors made by the bidders, in which case such corrections shall be made by scoring out the cancelled portion, writing the correction and initialing and dating it by the person (bidder).

14. Sealing & Marking of bids

- 14.1 The Bidder shall place the two separate envelopes (called inner envelopes) marked “Technical Bid” and “Financial Bid” in one outer envelope. The inner envelope will have markings as follows:

Technical Bid

Technical Bid

From: (Name and address of the Employer)

Name of Work: _____

From: (Name and address of the Bidder)

Financial Bid

Financial Bid

To: (Name and Address of the Employer)

Name of Work: _____

From: (Name and address of the Bidder)

The contents of the Technical and Financial Bids shall be as specified in clause 10.1 of ITB

- 14.2 The outer envelopes containing the Technical (including Earnest Money in separate Envelope) & Financial Bids shall contain–

Tender Document

To: (Name and Address of the Employer)

Name of Work: _____

From: (Name and address of the Bidder)

15. Deadline for submission of Bids

- 15.1 Complete Bids (Including Technical and Financial) must be received by the Employer at the address specified in the Part – I not later than the date and time indicated in Part – I
- 15.2 The Employer may extend the deadline for submission of Bids by issuing an amendment in accordance with clause 8, in which case all rights and obligations of the Employer and the Bidders previously subject to the Original deadline will then be subject to the new deadline.

16. Bid Opening

- 16.1 The Employer will open the Bids received (Except those received late) in the presence of the Bidders/Bidders' representatives who chose to attend at the time, date and place specified in the Part – I
- 16.2 The envelope containing the Technical Bid only shall be opened.
- 16.3 In all other cases the availability of Items defined in Clauses 3 & 12 will be accepted.
- 16.4 Evaluation of Technical Bids with respect to Bid Security, Qualification information and other information furnished in Part – I of Clause 10.1 shall be taken up immediately.
- 16.5 The Employer shall notify, whose Technical bids are found responsive, date, time and place of opening as stated in Part – I
- 16.6 At the Time of opening of the Financial Bids, the names of the bidders whose bids were found responsive in accordance with clause 16.4 of ITB will be announced. The financial bids of only those bidders will be opened. The remaining bids will be returned unopened to the Bidders. The responsive bidders' names, the bid prices, the total amount of each bid, and such other details as the Employer may consider appropriate will be announced by the Employer at the time of bid opening. Any bid price, which is not read out and recorded, will not be taken into account in Bid evaluation.
- 16.7 The Employer shall prepare the minutes of the opening of the Financial Bids.

17. Process to be Confidential

- 17.1 Information relating to the examination, clarification, evaluation and comparison of Bids and recommendations for the award of a contract shall not be disclosed to bidders or any other persons not officially concerned with such process until the award to the successful bidder has been announced. Any attempt by a bidder to influence the Employer's processing of bids or award decisions may result in the rejection of his Bid.

18. Clarification of Bids and Contacting the Employer

- 18.1 No Bidder shall contact the Employer on any matter relating to its Bid from the time of the Bid opening to the time the contract is awarded.
- 18.2 Any attempt by the Bidder to influence the Employer's Bid evaluation, bid comparison or contract award decision may result in the rejecting of his/her Bid.

19. Examination of Bids and determination of Responsiveness

- 19.1 During the detailed Evaluation of "Technical Bids" the Employer will determine whether each bid (a) meets the eligibility criteria define in clauses 3, (b) has been properly signed, (c) Is accompanied by the required securities/EMD and, (d) Substantially responsive to the requirement of the Bidding Documents. During the detailed Evaluation of the "Financial Bid", the responsiveness of the Bid will be further determined with respect to the remaining bid conditions, i.e., priced bill of quantities, Technical Specifications and drawings in short the responsiveness eligibility and/or Qualification of the Bidder shall be Evaluated based on: -
- i. Financial capability of the bidder.
 - ii. Capability of the Bidder to Mobilize and deploy the required manpower.
 - iii. The Bidder capability to manage similar nature of work.
 - iv. The bidder past performance and experience in executing similar contract work.
 - v. The bidder past litigation history.
 - vi. The methodology and Schedule proposed for the work
 - vii. Any other documents submitted by the bidder to augment the advantage in commencing the work.
- 19.2 A substantially responsive "Financial Bid" is one, which conforms to all the rates as quoted in the Bill of Quantities.
- 19.3 If a financial bid is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation.
- 19.4 Other things being equal, preference will be given to the Consultant personnel with a minimum of Class – VIII level of Mizo language and having experience in working similar work inside the State of Mizoram.

20. Award Criteria

- 20.1 The Employer will award the contract to the bidder whose bid has been determined to be substantially responsive to the bidding documents and who has scored the highest mark in comparative statement provided that such

bidder has been to be eligible in accordance with the provision of clause 2 and Qualified in accordance with the provision of Clause 3.

20.2 The Employer reserves the right to accept or reject any bid, and to cancel the bidding process and reject all bids, at any time prior to the award of contract, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the Ground for the Employer's action.

20.3 The employer will have the right not to award the lowest bidder without announcing any reason behind.

21. Notification of Award & Signing of Agreement:

21.1 The bidder whose bid has been accepted will be notified to Award by the Employer prior to expiration of the Bid Validity Period. This letter will state that the employer will pay to the contractor in consideration of the Execution and Completion.

21.2 The Notification of the Award will constitute the formation of the contract, subject only to the furnishing of a performance security in accordance with the provisions of clause 22.

21.3 The Agreement will incorporate all agreement between the employer and the successful bidder. It will be signed by the Employer and the successful bidder after the performance security is furnished.

22. Performance Security:

22.1 Within 15 days after receipt of Letter of Acceptance, the successful bidder shall deliver to the employer a performance security of 5% of the contract cost.

22.2 The Performance security shall be either in the form of a Bank Guarantee or Fixed Deposit Receipts in the name of the Employer, from a Commercial Bank.

22.3 Failure of the Successful bidder to comply with the requirement of clause 22.1 shall constitute sufficient grounds for cancellation of the Award and forfeiture of the earnest money or may be considered to be deducted from Running Bills with prior permission of the Employer.

23. Liquidated Damages:

23.1 In case of abandoning of Works or incompleteness of work within the time period stated in Part I, liquidated damages shall be imposed to the contractor at the rate of 0.5% of contract amount per week with a maximum limit of 10% of the contract amount if and only if the time extension is not allowed as per Clause No. 1.3 of ITB.

Part – III

**SAMPLE FORMAT FOR EVIDENCE OF ACCESS TO OR AVAILABILITY
OF CREDIT FACILITIES.
BANK CERTIFICATE**

This is to certify that M/S _____ is a reputed company/society /firm with a good financial standing.

We therefore have confidence in him/her/the firm/company/society if the contract for the work, namely, _____ is awarded, he/she/the firm/company/society would be able to implement the work smoothly from accounts transaction operated by him/her/the firm/company/society in our bank till date.

His/her/the firm/company/society account no. is _____

Signature of Bank Manager _____

Name of the Bank Manager _____

Address of the Bank _____

Stamp of the Bank

Part – IV
Letter of Acceptance

(Date)

To:

(Name of the Contractor)

(Address of the Contractor)

This is to notify you that the Employer, namely, _____ has accepted your Bid dated _____ for execution of the _____

(name of the Contract and identification number, as given in the Contract Data) for the Contract Price of Rupees _____

_____ (amount in figures and words) as corrected and modified in accordance with the Instructions to Bidders is hereby accepted by our Agency.

You are hereby requested to furnish Performance Security, bid in the form detailed in Cl.22 of ITB for an amount of Rs _____ within 10 day of the receipt of this letter of acceptance valid up to 45 days from the date of expiry of Defects Liability Period _____ and sign the contract, failing which action as stated in 22.3 of ITB will be taken.

Yours faithfully,

Authorized Signature: _____

Name and Title of Signatory: _____

Name of Agency: _____

Part – V
Form of Bid

To, (Name of the Employer) : The Director, School Education Department
Address (Address of the Employer) : Mc Donald Hill, Zarkawt, Aizawl
Description of the Work : _____
Name of Location : _____

1. I/We offer to execute the works described above and remedy any defects therein, and carry out the Conditions of contract, specifications, drawings, Bill of Quantities and Addenda for item rate Contract (Total Bid Price) Rs. _____ (in figures)
_____ (in words)

2. We undertake to commence the works on receiving work order in accordance with the contract documents.

3. This Bid and your written acceptance of it shall constitute a binding contract between us. We understand that that you are not bound to accept the lowest or any Bid you receive.

We hereby confirm that this Bid complies with the Bid validity and Earnest Money required by the bidding documents and specified in the Appendix to ITB

Signature of bidder (or authorized) : _____

Name of Bidder : _____

Address : _____

Note: The Bidder shall fill in and submit this Bid form with the Bid

Part – VI
TERMS OF REFERENCE (TOR)

1. Objectives

The main objective of this assignment:

- To obtain independent & objective assessment of the technical quality of all construction works to be completed.
- To assure that the civil works are constructed with good construction materials & as per desired standards of good quality construction.

2. Governing Factors

- 2.1 The Contractor is preferably to have prior experience at least for 5 years in the field of Civil Works and completed a similar magnitude of works that covered in the proposed project.
- 2.2 The Contractor shall execute according to the items given in Bill of Quantities.
- 2.3 The Contractor shall not have the right to alter the conditions at any cost. In case of any alterations is found necessary in the specifications, the same shall be brought to the notice of Director Office immediately.
- 2.4 The assignment mentioned herein is intended to be job oriented and not time oriented and the consultant/implementing agency shall not be entitled to claim any compensation in the event of the time estimated for the completion of the work being extended for any reason what so ever.
- 2.5 In order to ensure the quality and timely completion of the work, Contractor should remain present in contact with the Director.
- 2.6 Rates agreed shall be firm till the completion of work inclusive of transportation, stationary, communication charges, service Tax and all other application taxes.

3. Report to:

The Director, Directorate of School Education Building First Floor, Mc Donald Hill, Zarkawt, Aizawl.

4. Stages of Deposit and Payments

- 4.1 A security Deposit will be retained by Director. The security deposit amount so recovered will be returned after 4 months of receipt of the final report if there is no structural defect in the construction.

4.2 Payment Schedule.

| Sl.No | Release | Release of Payment |
|-------|-----------------------------------|--|
| 1 | 1 st Release | 10% of the approved amount along with the acceptance of Work order, as advance and adjustable in succeeding Bills as Mobilisation Advance. |
| 2 | 2 nd Release till Last | According to the work done by the contractor |
| 3 | Refund of Security Deposit | After 4 months of completion of the work or final bill is released and if there is not any damage in the construction with the acceptance of the Director. |

4.3 Payments must be made by Director of School Education.

4.4 Original copy of GST clearance from Taxation Department must be submitted in every Bill failing.

5. **Inputs from Director Office, DSE:**

5.1 The Director Office will provide the required information to the Contractor.

1. **General Requirements:**

6.1 The Director reserves full right to alter its requirements.

6.2 The decision of Director will be final in all the matters.

6.3 In case of necessity for sudden change of location or if the drawing is not matched with the selected location, the engineer-in-charge shall have the authority with the acceptance of Director to change the design within the limit of existing contract amount.

6.4 In case of any alteration of construction amount due to change in sanctioning amount from the central govt., design and estimate may be modified accordingly. In such case, the contractor or the implementing agency shall not have the right to claim the original amount by any means.

6.5 All bill will be paid according to work done by maintaining MB (Measurement Book) by the contractor.

7. **Force Majeure**

7.1 Notwithstanding the provisions of the tender, the Bidder shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, its delay in performance or failure to perform its obligations under the contract is the result of an event of Force Majeure. (Ref: 8.5.20 of FM&P)

8. Award of Contract and Publication of contract award:

- 8.1 Single offers received in response to this open tender should also be considered for award if it is determined that publicity was adequate, bid specifications / conditions were not restrictive or unclear and bid prices are considered reasonable. If such conditions are not met, retendering should take place. (*Ref: GFR 2017 Rules 173 (xx)*)

Part – VII
BILL OF QUANTITIES
(To be submitted in the Financial Bid)

BILL OF QUANTITIES FOR RECONSTRUCTION OF GOVT. CHAWNUI PRIMARY SCHOOL

| Sl.no/ SOR | Description of Items | Unit | Qty | Rate per unit | | Amount |
|---------------|---|------|--------|---------------|----------|--------|
| | | | | In figure | In words | |
| 1/2.06 | Earthwork in excavation over areas (exceeding 30cm | | | | | |
| | a) Ordinary and hard soil | | | | | |
| | | cum | 78.00 | | | |
| 2/2.08 | Earth work in excavation in foundation trenches... | | | | | |
| | (b) Hard Soil (Pick work) | | | | | |
| | | cum | 51.84 | | | |
| 3/2.18 | Filling available excavated earth (<i>excluding rock</i>) in trenches, plinth, etc. in layers not exceeding 20 cms in depth, consolidating each deposited layer by ramming and watering and lead upto 50 m and lift upto 1.50 meters. | | | | | |
| | | cum | 34.02 | | | |
| 4/4.03 | Providing and laying in position cement concrete of specified grade excluding cost of centering and shuttering in - All work upto plinth level : | | | | | |
| | 1: 3: 6(1 cement:3 coarse sand:6 stone aggregate 20 mm nominal size) | | | | | |
| | (a) Column Foundation | | | | | |
| | | cum | 12.413 | | | |
| 5/5.35 | Providing and laying in position machine batched, machine mixed and machine vibrated design mix M-20 grade reinforced cement concrete excluding cost of centering and shuttering and reinforcement in - | | | | | |
| | (a) All work upto foundation & plinth level. | | | | | |
| | Footing | | | | | |
| | | cum | 15.92 | | | |
| | (b) All work above plinth level up to Floor V level | | | | | |
| | | cum | 24.99 | | | |

| | | | | | | |
|---------|---|-----|----------|--|--|--|
| 6/5.21 | Steel reinforcement for RCC work including | | | | | |
| | (f) Thermo-Mechanically Treated Bars | | | | | |
| | | kg | 6524.698 | | | |
| 7/5.11 | Centering and shuttering including strutting, propping, etc. and removal of form works in - | | | | | |
| | (a) Foundations, footings, bases of columns etc. for mass concrete. | | | | | |
| | | sqm | 50.400 | | | |
| | c) Columns, pillars, piers, abutments, posts and struts. | | | | | |
| | Column | | | | | |
| | | sqm | 129.200 | | | |
| | d) Lintels, beams, plinth beams, girders, bressumers and cantilevers, etc. | | | | | |
| | Beams. | | | | | |
| | | sqm | 214.305 | | | |
| | e) Suspended floors, roofs, landings, shelves and their support, balconies and chajjaj,etc. | | | | | |
| | | sqm | 37.20 | | | |
| 8/6.06 | Half brick masonry with first class brick in superstructure above plinth level up to floor V level | | | | | |
| | (b) in cement mortar 1 : 4 (1 cement : 4 fine sand) | | | | | |
| | | sqm | 78.990 | | | |
| 9/6.09 | 7.5 cm thick masonry with 1st class brick in super structure above plinth level upto floor two levels including curing etc. complete. | | | | | |
| | b)In cement mortar 1:4(1 cement: 4 coarse sand) | | | | | |
| | | sqm | 120.510 | | | |
| 10/9.06 | Providing 1st class local wood dressed in frames of chaukat for doors, windows, clerestory windows fixed in position. | | | | | |

| | | | | | | |
|--------------|--|---------------------------------|------------|--------|--|--|
| | | | <i>cum</i> | 0.432 | | |
| 11/9.37 | Providing and fixing 30mm thick panelled door shutter comprising of styles and rails of seasoned teak wood with panels of phenol formeldehyde synthetic resin bonded particle board 19mm thick with both sides teak ple vaneering on both faces... | | | | | |
| | | | <i>sqm</i> | 22.86 | | |
| 12/10.1 1 | Providing and fixing prefabricated M.S. equal angle in chaukhat for doors, windows and clerestory windows including fixing with 40 x 5mm M.S holdfast 40cm long at required spacing and applying priming coat with approved steel primer etc. complete. | | | | | |
| | (b) | Using 50 x 50 x 6mm M.S. angle. | | | | |
| | | | <i>Rm</i> | 108.00 | | |
| 13/10.0 5 | Providing and fixing steel glazed doors, windows, ventilators of standard rolled steel sections, joints, mitered and welded with 15x3mm lugs 10cm long embedded in cement concrete blocks 15x10x10cm size of 1:3:6 (1 cement : 3 coarse sand : 6 stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of glass panes with glazing clips and special metal sash putty of approved make complete including applying a priming coat of approved steel primer excluding the cost of metal beading and other fittings except necessary hinges or pivots as required. | | | | | |
| | (b) | 4mm thick glass pane | | | | |
| | | | <i>sqm</i> | 26.73 | | |
| 14/10.1 9 | Steel work in built up sections/ framed work including cutting, hoisting, fixing in position.....as required. | | | | | |

| | | | | | | |
|----------|-----|--|----------------|---------|--|--|
| | (b) | In a grating frames, guard bars, ladders, railings, brackets, gates & similar work. | | | | |
| | | Using Flat Iron 20x4mm | | | | |
| | | | KG | 159.46 | | |
| 15/21.07 | | 12mm cement plaster 1 : 4 (1 cement : 4 fine sand). | | | | |
| | | | sqm | 838.979 | | |
| 16/21.61 | | Applying priming coat with ready mixed primer of approved brand and manufacture on wood work and plywood complete. | | | | |
| | (a) | Ready mix pink/grey primer. | | | | |
| | | | m ² | 279.00 | | |
| 17/21.92 | | Painting with synthetic enamel paint of approved brand and manufacture in all shade on new work (two or more coats). | | | | |
| | a) | General quality | m ² | 279.00 | | |
| 18/21.81 | | Finishing walls with water proofing cement paint of approved brand and manufactured and of required shade on new work (three or more coats) to give an even shade. | | | | |
| | (b) | Premium exterior emulsion like weathercote, weather shield etc. | | | | |
| | | | m ² | 1677.96 | | |
| 19/21.60 | | Applying one coat of cement primer of approved brand and manufacture on wall surface. | | | | |
| | | | m ² | 1964.26 | | |
| 20/14.08 | | Providing and fixing M.S. pull bolts lock conforming with IS :7534 bright finished with necessary screws etc. complete. | | | | |
| | | | Nos | 5.00 | | |
| 21/14.07 | | Providing and fixing M.S. Tower bolts (socket bolts) bright finished with necessary screws etc. complete. | | | | |
| | (a) | 300 mm | Nos | 14.00 | | |
| | (d) | 150 mm | Nos | 8.00 | | |

| | | | | | | |
|--------------|--|----------------|---------|--|--|--|
| 22/14.1 0 | Providing and fixing M.S. handles with necessary screws, etc. complete | | | | | |
| | (a) 150mm | | | | | |
| | | Nos | 30.00 | | | |
| 23/16.3 3 | Providing Trapezoidal Polyester Coated Galvanised Steel Sheets Roofing of any colour of 1.06m width at all levels including fitting and fixing ridging with self drilling, self tapping screws, EPDM washers etc. complete excluding the cost of purlin, rafter and trusses. | | | | | |
| | (i) For 0.50 mm thick : | | | | | |
| | | sqm | 195.300 | | | |
| 24/16.3 9 | Providing and fixing of pre-coated Galvanized Steel Sheet of any colour ridges, gutters or valleys 50 cm overall width, 0.50 mm thick with 150 mmm overlapping fixed with Self Drilling & Tapping with EPDM washer but excluding the cost of base frame | | | | | |
| | | m | 14.500 | | | |
| 25/9.08 | Providing 1st class local wood in trusses etc. including hoisting fixing in position supplying necessary fittings such as spikes bolts and nuts, nails etc and applying wood preservative for unexposed surface etc. complete. | | | | | |
| | | m3 | 1.881 | | | |
| 26/15.0 7 | Supplying, fitting and fixing 4mm thick plain asbestos cement sheet ceiling with necessary nails complete excluding frame work of base and beading | | | | | |
| | | m ² | 130.200 | | | |
| 27/7.08 | Coursed masonry with rectangular sized hard stone in foundation up to one storey above and below ground level including curing, etc. complete. | | | | | |
| | (b) in cement mortar 1 : 4 (1cement : 6 fine sand) | | | | | |
| | | m3 | 11.016 | | | |

| | | | | | | |
|----------|---|------|---------|--|--|--|
| 28/10.09 | Supplying and fixing MS decorative railing 80 cm high in staircase consisting of 25 mm alluminium square sections inserted into 20 mm dia MS bars @ 30 cm centres 60x60x4mm thick plate at the base fixed with wooden wedge by IW screws to receive the wooden handrails 12.5cmx10cm including cost of polishing the wooden rail | | | | | |
| | | Rm | 2.000 | | | |
| 29/18.02 | Providing and fixing on terrace (<i>at all floor levels</i>) Polyethylene storage tank of approved brand and manufacture with cover and mosquito proof coupling and suitable locking arrangement and making nescessary connections for inlet, outlet and overflow pipes but without the cost for base support. | | | | | |
| | | lit | 4000.00 | | | |
| 30/17.52 | Providing and fixing SWRPVC bend with access door of required degree including jointing with rubber lubricant/cement solvent complete. | | | | | |
| | (a) 110mm dia SWRPVC bend with access door. | | | | | |
| | | No | 5.00 | | | |
| 32/17.49 | Providing and fixing on wall face SWRPVC soil, waste and vent pipes including jointing with rubber lubricant/cement solvent complete. | | | | | |
| | (a) 110mm dia. | Rm | 25.000 | | | |
| 33/17.53 | Providing and fixing single equal SWRPVC plain junction of required degree (<i>T-junction</i>) | | | | | |
| | (a) 110x110x110mm. | No | 8.000 | | | |
| 34/17.21 | Providing and fixing vitreous china Urinal corner 44 x 26.5 x 31.5cm size of Parryware/ Hindware/ Cera and equivalent make with flush valve/spray with C.I or R.S brackets standard size of G.I flush pipe and C.P brass spreaders with brass unions and G.I clamps complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required. | | | | | |
| | (i) white | | | | | |
| | | each | 2.000 | | | |

| | | | | | | |
|----------|---|------|--------|--|--|--|
| 35/18.03 | Providing and fixing G.I. pipes complete with G.I. fitting and clamps, including cutting and making good the walls etc. (<i>internal works</i>). | | | | | |
| | (a) 15mm dia nominal bore | Rm | 46.000 | | | |
| 36/18.09 | Providing and fixing brass stop cock of approved quality. | | | | | |
| | (a) 15mm nominal bore | No. | 7.000 | | | |
| 37/18.12 | Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) . | | | | | |
| | (a) 15 mm nominal bore | No. | 7.000 | | | |
| 38/17.27 | Providing and fixing wash basin with CI brackets, 15mm CP brass pillar ttaps, 32 mm CP brass waste of standard pattern including making good the walls wherever required. | | | | | |
| | a) White vitreous China wash basin size 630x450mm with a single 15mm C.P. brass pillar tap. | | | | | |
| | | each | 3.000 | | | |
| 39/18.02 | Providing and fixing portable fire extinguisher | | | | | |
| | (a) Fire Extinguisher Water-CO2 type, capacity-9litres | No | 3.00 | | | |
| 41/17.01 | Pan(indian type W.C Pan).....wherever required. | | | | | |
| | (a) White vitreous china indian pattern W.C Pan of size 510x 305mm with integral type foot rests. | No | 4.00 | | | |
| 42/12.01 | Cement concrete flooring 1:2:4(1 cement:2Sand:4 well graded stone aggregate 20mm size)..... | | | | | |
| | 40mm thick | sqm | 130.20 | | | |
| | SEPTIC TANK | | | | | |

| | | | | | | |
|---------|---|-------|-------|--|--|--|
| 1/2.08 | Earthwork in excavation in foundation trenches etc. not exceeding 2 meters depth including dressing of bottom and sides of trenches.....within a lead of 30 metres. | | | | | |
| | (a) Ordinary Soil | | | | | |
| | | m^3 | #REF! | | | |
| 2/5.35 | Providing and laying in position machine batched, machine mixed and machine vibrated design mix M-20 grade reinforced cement concrete excluding cost of centering and shuttering and reinforcement in - | | | | | |
| | (b) Beams, suspended floors, roofs | | | | | |
| | | m^3 | 1.185 | | | |
| 3/5.11 | Centering and shuttering including strutting, propping, etc. and removal of form works in - | | | | | |
| | (e) Suspended floors, roofs, landings, | | | | | |
| | | m^2 | 4.671 | | | |
| 4/21.07 | 12mm cement plaster 1 : 4 (1 cement : 3 fine sand). | | | | | |
| | | m^2 | 9.130 | | | |
| 5/5.21 | Steel reinforcement for RCC work including | | | | | |
| | (f) Thermo-Mechanically Treated Bars | | | | | |
| | | Kg | 66.87 | | | |
| 6/6.09 | 7.5 cm thick brick masonry with first class brick in | | | | | |
| | (b) in cement mortar 1:3 (1 cement : 3 fine sand) | | | | | |
| | | m^2 | 6.28 | | | |
| 7/6.08 | Honey-comb of half brick masonry with first class brick in foundation up to one storey above and below ground level including curing, etc. complete | | | | | |
| | a) in cement mortar 1:3 (1 cement : 3 fine sand) | | | | | |
| | | m^2 | 3.68 | | | |
| | Total of Civil Works | | | | | |

| | | | | | | |
|--|------------------------------|--|--|--|--|--|
| | Add 7.5% for Electrification | | | | | |
| | Add 12% for GST | | | | | |
| | Add 1% for Labour Cess | | | | | |
| | Grant Total | | | | | |

In words (Rupees _____) only