# TENDER /BID DOCUMENT

ONLINE OPEN E- TENDER ARE INVITED FROM REGISTERED CONTRACTORS OF PWD/ PHE/ ESTATE OFFICE (GAD)/ MES/ MeECL AND EQUIVALENT CLASS OF CPWD FOR SETTING UP OF C & D S T AND MOLECULAR TESTING LAB (e -Procurement)

<table>
<thead>
<tr>
<th>Bid Document Downloading Start Date:</th>
<th>14:00 hours of 27.1.2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Last Date and Time for Submission of Bid Document Online:</td>
<td>14:00 hours of 7.2.2019</td>
</tr>
<tr>
<td>Last date and Time of Receipt of Earnest Money Deposit (hard copies):</td>
<td>14:00 hours of 7.2.2019</td>
</tr>
<tr>
<td>Date and Time of Opening of Techno -Commercial Bids:</td>
<td>14:30 hours of 8.2.2019</td>
</tr>
<tr>
<td>Cost of Earnest Money Deposit (EMD):</td>
<td>Rs.26,100.00</td>
</tr>
</tbody>
</table>

Bidders /Tenderers can download the tender /bid document from Central Public Procurement Portal website at [www.eprocure.gov.in](http://www.eprocure.gov.in)

Bidders /Tenderers are required to submit their bid online by uploading all the relevant documents through [www.eprocure.gov.in](http://www.eprocure.gov.in)

Tender document can also be downloaded from the Institute’s website at [www.neigrihms.gov.in](http://www.neigrihms.gov.in). For further details regarding amendment /addendum /extension please visit website: [www.eprocure.gov.in](http://www.eprocure.gov.in) and [www.neigrihms.gov.in](http://www.neigrihms.gov.in)

In the event of the date being declared as a closed holiday for purchaser’s office, the due date for submission of bids online and opening of bids online will be the following working day at the appointed time.
**DETAILED TENDER NOTICE**

Online tenders in two bid systems are invited from registered contractors of PWD/PHE/Estate office (GAD)/MES/MeECL and equivalent class of CPWD for the following work.

<table>
<thead>
<tr>
<th>Name of work</th>
<th>Estimated cost (Rs) (approx)</th>
<th>EMD (Rs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Setting up of C &amp; DST and Molecular Testing Lab</td>
<td>Rs.13,05,000/-</td>
<td>Rs.26,100/-</td>
</tr>
</tbody>
</table>

**General Conditions of Contract (GCC):**

1. Bidders /Tenderers would be required to register on the Central Public Procurement Portal at [www.eprocure.gov.in](http://www.eprocure.gov.in), using a valid Digital Signature Certificate (DSC) and valid email address to be able to participate in the bidding process. On registration with the Portal they will be provided with a user id and password by the system through which they can submit their bids online.

2. Digital Signature Certificate (DSC) may be obtained from any authorized agencies registered with the Certifying Authority (CA), through National Informatics Center (NIC) in India.

3. Bidders /Tenderers can download the bid document from Central Public Procurement Portal website at [www.eprocure.gov.in](http://www.eprocure.gov.in).

4. Bidders /Tenderers are required to submit the bid online by scanning and uploading all the relevant documents through [www.eprocure.gov.in](http://www.eprocure.gov.in).

5. Tender document can also be downloaded from the Institute’s website at [www.neigrihms.gov.in](http://www.neigrihms.gov.in) For further details regarding Amendment /Addendum /Extension please visit website: [www.eprocure.gov.in](http://www.eprocure.gov.in) and [www.neigrihms.gov.in](http://www.neigrihms.gov.in).

6. Earnest Money Deposit (EMD) in the form of Call deposit, Banker’s Cheque, Fixed deposit or Demand draft, drawn in favour of Deputy Director (Admn.), NEIGRIHMS, Shillong or Bank Guarantee of any Scheduled Bank, shall be scanned and submitted online, along with the Techno-commercial bid (Un priced Bid), within the period of tender online submission date and time and the original (hard copy) should be sent to Executive Engineer (Civil), Director's Block, Mawdiangdiang, NEIGRIHMS, Shillong-793018 within the stipulated date and time.

7. The technical bids will be opened online by a committee of members duly constituted for the purpose at the time and date as specified in the tender document. All statements, documents, certificates, proof of EMD/Tender fee/Affidavits, etc. uploaded by the bidders will be verified and downloaded for technical evaluation and the result of technical bid evaluation will be displayed on [www.eprocure.gov.in](http://www.eprocure.gov.in) which can be seen by all bidders who participated in the tender.

8. The Financial bid (price bid) i.e. Bill of Quantity (BOQ) of only technically qualified bidders will be opened online by a committee of members and the result will be displayed on the [www.eprocure.gov.in](http://www.eprocure.gov.in) which can be seen by all bidders who participated in the tender.

9. Price evaluation will be done on Lump sum basis

10. The site is located at Mawdiangdiang

11. Time of completion: 2 (two) months from the date of issue of commencement order.

12. Contractors shall be deemed to have inspected and examined the site of work and its surroundings before submitting the tenders.

13. Tenderers will have to submit copy of their registration.

14. The contractor shall not sub-contract the work to sub-contractors or to any single sub-contractor. An undertaking by the contractor shall have to be submitted to this effect.

15. The successful contractor shall provide a performance security for his proper performance of the contract within 7 (seven) days from the date of receipt of letter of award. The performance Security shall be in the form of FD/Call Deposit to be pledged in favour of Deputy Director (Admn), NEIGRIHMS. In case the Performance Security is in the form of Bank Guarantee the same is to be sent to the Deputy Director (Admn), NEIGRIHMS in sealed envelope directly by the issuing Bank along with the forwarding letter indicating BG No. purposed of the BG, etc. The amount of the security shall be 5 % (five percent) of the contract price. The performance security shall be valid until the contractor has executed and completed the works and remedied any defects therein in accordance with the contract. The Performance security shall be returned to the contractor within 14 days from the expiry of the Defect Liability period. If the contractor fails to perform the work as per terms and conditions of the contract, the performance security shall be forfeited.
16. If during the execution of the work the contractor encounters physical obstructions or physical conditions other than climatic conditions on the site, which obstructions or conditions were in his reasonable opinion not foreseeable by the contractor, the contractor shall forth with give notice thereof to the Executive Engineer ©, NEIGRIHMS. On receipt of such notice, the EE shall, in his opinion feel that such obstructions/conditions could not have been reasonably foreseen by the contractor, after due consultation with the contractor determine any extension of time with no financial bearing to which the contractor is entitled.

17. During the execution of the works, the contractor shall keep the site reasonably free from all unnecessary obstructions and shall store or depose of any contractors equipment and surplus materials and clear from the site any wreckage, rubbish or temporary works in consultation with the Sanitary Supt of the Institute.

18. Before issue of any completion certificate, the contractor shall clear away and remove from that part of the site to which the completion certificate relates all contractors equipment, surplus material, rubbish and temporary works of every kind.

19. The contractor while employing labour should ensure that all the statutory labour laws and regulations are adhered to.

20. In the event of
   a. The amount or nature of extra or additional work
   b. Exceptionally adverse climatic conditions
   c. Other special circumstances which may occur other than through a default or breach of contract by the contractor or for which he is responsible. Being such as fairly to entitle the contractor to extension of time for completion of the works or any section or part thereof, the Institute shall after due consultation with the contractor and subject to clause 11 determine the amount of such extension with no financial bearing and shall notify the contractor accordingly.

21. If the contractor fails to complete the execution and completion of the works as specified in the work order and if extension of time is granted if any in accordance with clause 16 and 20 of the GCC, the contractor shall be bound to pay as liquidated Damages a sum of 0.5 % (percent) per week of delay for such default subject to a maximum of 5 % of the contract price.

22. When whole of the works have been substantially completed, the contractor shall give a notice to the Executive Engineer © of the Institute, accompanied by a written undertaking to finish with due expedition any outstanding work during the defect Liability period. Such notice and undertaking shall be deemed to be a request by the contractor to the EE © to issue a taking over certificate.

23. Defect liability period shall be 12 (twelve) months calculated from the date of completion of the works certified by the EE © in the completion certificate.

24. If the contractor fails to fulfill any of the obligations under this contract, the Institute shall be at liberty to terminate the contract thereby voiding the contract and will be at liberty to allot the whole work or balance works to any other party at the risk and cost of the first party.

25. All works are to be carried out as per current specification prevailing in the state of Meghalaya (MPWD & CPWD) and when directed by the Institute.

26. **Average Annual Financial Turnover** during the last three years ending 31st March of the previous financial year should be at least 30 % of the estimated cost. Tenderer to submit Financial Statement from Chartered Accountant as per FORMAT – B.

27. Parties should have the experience of having successfully completed similar works during the last 7 (seven) years ending last day of month previous to the one in which applications are invited should be either of the following:-(a). *Three similar completed works* costing not less than the amount equal to 40% of the estimated cost or (b) *Two similar completed works* costing not less than the amount equal to 50 % of the estimated cost or (c) *one similar completed work* costing not less than the amount equal to 60 % of the estimated cost. Documentary proof in the form of completion certificates only are to be enclosed failing which the tender will be non-responsive.

28. Completion Certificates should indicate the items of works executed along with the date of award of work & time of completion as per work order & actual time of completion and are to be signed by Officers not below the rank of Executive Engineers (FORMAT – A).

29. Running payments can be made to the contractor subject to certification by the Executive Engineer (C) after completion of about 50 % of the work and final payment will be paid after completion of the work after due certification and satisfaction of the Executive Engineer (C).

30. Parties to submit PAN Card
31. Parties to submit GST Registration
32. Rates once accepted will not be enhanced due to variation in the rate of materials, labour and Government taxes.
33. No tools and plants will be supplied by the Institute
34. No materials will be supplied by the Institute.
35. The quoted rates shall be firm, fixed and binding on the contractor irrespective of any variation in the quantities stated in the contract upto ± 10 % variation of the contract value as a whole.
36. Successful Non – Tribal tenderers should submit the valid Trading license within 7 (seven) days from the date of issue of preliminary work order.
37. Any dispute arising out of the contract shall be settled by the Director, NEIGRIHMS.
38. The specifications and mode of measurement for civil works shall be in accordance with PWD/CPWD specifications unless otherwise specified.
39. In the event of responsive parties quoting same rates, the Institute reserves the right to allot the work to the bidder having higher credentials in terms of turnover, similar work experience, etc.
40. If there is any excess payment on any item etc made to the contractor, the contractor shall not hesitate to cooperate in adjusting / deducting the same from either the running bills or final bills.
41. The Institute reserves the right to accept or reject any or all tenders without assigning any reason thereof.
42. All the above requirements are compulsory for fulfillment as part of the tenders failing which tenders will be rejected.
43. All documents, registrations should be valid as on the date of tender.
44. Meghalaya Value added tax / Goods and Service Tax as applicable will be deducted from the bills of the contractor.
45. Parties to submit the list of technical staff with at least one experienced Junior Engineer-Civil (Diploma). Attested copy of diploma/degree certificates to be enclosed. Undertaking in the form of affidavit to be submitted.
46. The parties to furnish an affidavit on a non-judicial stamp paper that there is no police/vigilance/CBI case pending against them.
47. The Party shall be responsible for the safety of all its workmen/employees during the period of execution of the work. The party shall provide all safety materials, gadgets, equipments etc to all its workmen/employees to ensure their safety during execution of the work. The Institute shall not be held responsible in case of any accidents, mishaps etc to the party and its employees.
48. Any delay in completion of the works beyond the stipulated date due to reasons attributable to the contractor may eventually lead to cancellation of letter of award for which the contractor is not entitled to any compensation. The cancellation of letter of award would lead to forfeiture of performance security.
49. The contractor is to register with the Labour Department for the work and the registration certificate has to be submitted, failing which the bill cannot be processed.
50. If any statutory tax/deduction/recovery is notified by the State/Central Govt, the same shall be deducted from the bill of the contractors as applicable from its effective date of coming into force.
51. The party who is allotted with the work, will have to sign on the measurement book as a token of acceptance of the measurement.
52. Contractors who engage / employ five or more Inter State Migrant Workmen is required to obtain a license from District Labour Office, East Khasi Hills, Shillong as per prevailing labour laws applicable in the State.
53. Bidders should note that the above terms and conditions will apply specifically in addition to the rules / regulations applicable to works in the Government of India.

Sd/
Executive Engineer (Civil)
NEIGRIHMS

Copy to: Accounts officer for information
Check List of documents to be submitted along with the tender:

1. Earnest money Deposit
2. Copy of registration
3. Undertaking not to sub-let the work. (format enclosed with the tender)
4. Valid Trading license in case of non-tribal contractors.
5. Pan Card.
6. Documentary proof of work orders, completion certificates as specified in clause 27 of the GCC.
7. FORMAT – A
8. Average Annual Financial Turnover during the last three years as per FORMAT - B
9. List of technical staff with Undertaking in the form of affidavit
10. Affidavit of no vigilance/police/CBI case pending against them
FORM OF UNDERTAKING

To

The Executive Engineer (Civil)
NEIGRIHMS

Sub: Setting up of C & DST and Molecular Testing Lab

Sir,

With reference to the above, I hereby undertake not to sublet the work cited above, if the work is allotted to me.

Date: 

Name of contractor: 

Signature and seal:
FORMAT - A.

1. Name of Contractor: - .................................................................
2. Name of work completed: - ...........................................................
3. Agreement No: - ...........................................................................
4. Name of Division in which work was executed: - ..............................
5. Tender Cost: - ...............................................................................
6. Stipulated date of Start (as per w/o):- ..............................................
7. Stipulated date of Completion (as per w/o):- ....................................
8. Actual date of Completion: - ............................................................

Signature of Contractor

**Signature of Officer issuing the C/Certificate
** (Officer should not be lower than the rank of Executive Engineer – Civil)
<table>
<thead>
<tr>
<th>SL NO</th>
<th>FINANCIAL PERIOD</th>
<th>AMOUNTS IN LAKHS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>2015 – 2016</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>2016 – 2017</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>2017 – 2018</td>
<td></td>
</tr>
</tbody>
</table>
BEFORE THE MAGISTRATE FIRST CLASS IN SHILLONG

AFFIDAVIT

I, Shri _____________________________________________, son of Shri _____________________________________________ aged about ________________, resident of ____________________________________________________, do hereby solemnly affirm and declare on oath as follows:

1. That I am a bonafide citizen of India and a permanent of the above – mentioned address.

2. That I am a registered contractor, with ___________________________ vide Reg. No. ______________________________________.

3. That there is no police / vigilance/ CBI case pending against me/ firm.

4. That I have not been blacklisted in the past by any Government or Private Organization.

5. That the instant affidavit is sworn in for the purpose of giving a declaration of the aforesaid facts and for all other purposes.

6. That the statements made herein above are true to the best of my knowledge, belief and information.

DEPONENT

Solemnly affirmed and declared before me the Deponent above named who is identified by ___________________________ Advocate, Shillong on this the ___________________________ at Shillong.

Identified by:

MAGISTRATE FIRST CLASS
SHILLONG

(Advocate, Shillong)
# Bill of Quantity

## Name of the Work: - Setting up of C & DST and Molecular Testing Lab

<table>
<thead>
<tr>
<th>Sr No</th>
<th>Description</th>
<th>Unit</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Demolishing brickwork including stacking of serviceable materials and disposal of unserviceable materials as directed for all levels</td>
<td>Cum</td>
<td>0.38</td>
</tr>
<tr>
<td>2</td>
<td>Dismantling and removing the existing door and window frame (chowkath) both wooden and steel of different sizes without damaging the walls and removing the frame and necessary repairs to the edges of the walls as directed for all levels. (a) Area of door/window up to 3.00sq.m.</td>
<td>Each</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Brick work in cement mortar with 1st class brick including racking out joints and curing complete in super-structure above plinth level up to 1st floor level including dewatering if necessary as directed. (a) In proportion 1:3</td>
<td>Cum</td>
<td>13.69</td>
</tr>
<tr>
<td>4</td>
<td>15mm thick cement plastering in single coat in rough side of single or half brick walls for plastering up to 1st floor level including arises etc complete as directed (i) in cement mortar 1:3 5.8 Extra over item no 5.1 to 5.7 for interior plastering above 1st floor level for every addl. floor or part thereof including curing complete as directed.  (a) On Single coat plaster</td>
<td>Sqm</td>
<td>75.62</td>
</tr>
<tr>
<td>5</td>
<td>15mm thick cement plastering in single coat in rough side of single or half brick walls for plastering up to 1st floor level including arises etc complete as directed 5.10 Extra over item no 5.1 to 5.7 for exterior plastering for every addl. floor or part thereof beyond 1st floor level including curing complete as directed  (a) On single coat plaster</td>
<td>Sqm</td>
<td>43.88</td>
</tr>
<tr>
<td>6</td>
<td>Applying one coat of cement primer of approved brand and manufacture on new wall surface after thoroughly brooming the surfaces free from mortar droppings and other foreign matter and including preparing the surface even and sand papered smooth</td>
<td>Sqm</td>
<td>130.74</td>
</tr>
<tr>
<td>7</td>
<td>Providing two coats of acrylic water based wall putty/ wall filler of Asian Paints/ Berger/ Dulux over concrete/ cement plaster/ brick walls and ceilings both internal and external after removing all the loosely adhering material from the wall/ ceiling surface with the help of emery stone, putty blade or wire brush, moistening the wall with the help of sufficient quantity of clear water as specified and directed by the department</td>
<td>Sqm</td>
<td>130.74</td>
</tr>
<tr>
<td>8</td>
<td>Wall painting (two coats) with Plastic emulsion paint of approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J &amp; N paint/ Nerolac) on new surface to give an even shade after thoroughly brushing the surfaces free from mortar droppings and other foreign material and sand papered smooth</td>
<td>Sqm</td>
<td>130.74</td>
</tr>
<tr>
<td>9</td>
<td>Providing Ceramic Tiles of Somany/ Orient/ Nitco/ Qutone make or equivalent of approved quality, size, shape and thickness not less than 8 mm on floors, skirting, treads and risers of steps over cement mortar bed 15 mm thick in prop. 1.3 (1 cement : 3 coarse sand) including cutting where necessary finished with flesh pointing with fix-A Tile Choksey/ Sika/Pidilite/ Roof! White cement slurry mixed with approved pigment to match the shade of tiles, complete at all levels as specified and directed (cement plastering to be measured and paid separately). 1. Normal range (sizes 300mmx300mm and above) (b) Premium Range</td>
<td>Sqm</td>
<td>38.40</td>
</tr>
<tr>
<td>10</td>
<td>Providing polished ceramic wall tiles of Somany/ Orient/ Nitco/ Qutone make or equivalent of approved quality, size, shape and thickness not less than 8 mm on walls and skirting over cement mortar bed 10 mm thick in prop. 1.3 (1 cement : 3 coarse sand ) including cutting where necessary finished with flesh pointing with Fix-A-Tile (Choksey/ Sika/ Pidilite/ Roof) or white cement slurry mixed with approved pigment to match shade of tiles complete at all levels as specified and directed. (Cement plastering to be measured and paid separately). 1. Executive range- 1 (Sizes 200 mm x 300mm and above) (b) Premium Range</td>
<td>Sqm</td>
<td>58.29</td>
</tr>
<tr>
<td>11</td>
<td>Providing and fixing anodised aluminium framed single leaf door with styles size 45mm x 45mm x 3.25mm, top rails 50mm x 45mm x 2.5mm, lock rails 48 mm x 45mm x 2.5mm, bottom rails 100mm x 45mm x 2.5mm fitted with tapper clips of size 20mmx15mmx1.2mm complete with automatic hydraulic floor mounted door closure, butterfly type handles, special cylindrical locks, concealed type tower bolt, neoprene dry set rubber gasket, etc. complete as directed by the Department at all levels. (f) Nepal Board/ Bhumat Board/ Pre laminated Board</td>
<td>Sqm</td>
<td>4.35</td>
</tr>
<tr>
<td>12</td>
<td>Providing and fixing flush shutters solid core construction with frame of 1st class hard wood with cross band and face veneered ply wood face panels conforming to relevant I.S code including oxidised bit bull hinges (100mm x 75mm x 3.5mm) with necessary wood screws. (a) Decorative type face panels and block board core (b) 35 mm thick</td>
<td>Sqm</td>
<td>4.10</td>
</tr>
<tr>
<td>13</td>
<td>Providing, fitting and fixing coloured anodised aluminium windows and ventilators of standard sections without horizontal glazing bars joints mitred and welded (manufactured to relevant I.S specifications) fitted with 6mm x 3.15mm lugs 100mm long embedded in CC blocks 150mm x 100mm x 100mm in 1:3:6 mix including providing and fixing handles, frictions stays, joining cleat, bolting device, locking arrangement, spring catch as required complete as specified and directed for all levels (Glass panes included, Cement concrete to be measured and paid separately). (a) Side hung and Top hung openable windows and ventilators (ii) 6mm clear glass</td>
<td>Sqm</td>
<td>11.25</td>
</tr>
<tr>
<td>14</td>
<td>Providing, fitting and fixing anodised aluminium partition walls of standard sections, joints mitred and welded (manufactured to relevant I.S. specification) and providing and fitting angle cleat, rubber gasket, bolting device screws etc. at all levels. (b) 6mm clear glass</td>
<td>Sqm</td>
<td>12.50</td>
</tr>
<tr>
<td>15</td>
<td>Providing, fitting and fixing anodised aluminium partition walls of standard sections, joints mitred and welded (manufactured to relevant I.S. specification) and providing and fitting angle cleat, rubber gasket, bolting device screws etc. at all levels. (f) Nepal Board/ Bhumat Board/ Pre laminated Board</td>
<td>Sqm</td>
<td>13.75</td>
</tr>
<tr>
<td>16</td>
<td>Providing, fitting and fixing polished ceramic wall tiles of Somany/ Orient/ Nitco/ Qutone make or equivalent of approved quality, size, shape and thickness not less than 8 mm on walls and skirting over cement mortar bed 10 mm thick in prop. 1:3 (1 cement : 3 coarse sand ) including cutting where necessary finished with flesh pointing with Fix-A-Tile (Choksey/ Sika/ Pidilite/ Roof) or white cement slurry mixed with approved pigment to match shade of tiles complete at all levels as specified and directed. (Cement plastering to be measured and paid separately).</td>
<td>Sqm</td>
<td>130.74</td>
</tr>
<tr>
<td>17</td>
<td>Providing, fitting and fixing coloured anodised aluminium framed single leaf door with styles size 45mm x 45mm x 3.25mm, top rails 50mm x 45mm x 2.5mm, lock rails 48 mm x 45mm x 2.5mm, bottom rails 100mm x 45mm x 2.5mm fitted with tapper clips of size 20mmx15mmx1.2mm complete with automatic hydraulic floor mounted door closure, butterfly type handles, special cylindrical locks, concealed type tower bolt, neoprene dry set rubber gasket, etc. complete as directed by the Department at all levels. (f) Nepal Board/ Bhumat Board/ Pre laminated Board</td>
<td>Sqm</td>
<td>11.25</td>
</tr>
<tr>
<td>18</td>
<td>Brick nogged wall with 1st class brick in cement mortar including racking out joints and curing complete as directed in super structure above plinth up to 1st floor level (protruding M.S rod/Tor steel of column to be embedded in cement mortar and will be measured and paid separately). (a) Half Brick (~112 mm) thick 1st class brick nogged wall (i) In proportion 1:3</td>
<td>Sqm</td>
<td>4.73</td>
</tr>
<tr>
<td>19</td>
<td>Supplying, fitting and fixing in position steel reinforcement bars up to 1st floor level confirming to I.S specification for RCC/RB work etc complete (a) From primary sources like TATA/SAIL/INDAL etc. (i) TMT Corrosion Resistant Steel (CRS)</td>
<td>Qntt</td>
<td>2.16</td>
</tr>
<tr>
<td>20</td>
<td>Supplying, fitting and fixing in position steel reinforcement bars up to 1st floor level confirming to I.S specification for RCC/RB work etc complete (c) I.S approved mild steel reinforcement bar (M S bar) (i) TMT Corrosion Resistant Steel (CRS)</td>
<td>Qntt</td>
<td>2.85</td>
</tr>
<tr>
<td>21</td>
<td>Providing and laying concrete in R.C.C work using conacre mixture machine with course sand and 20mm down graded stone aggregates including dewatering if necessary and curring complete as directed 1. In Foundation and sub - structure including footing, columns with base, tie and plinth beam, pile cap, raft slab, base slab, RCC walls, retaining walls, walls of septic tank, inspection pit and the like and other works not less than 100mm thick up to Plinth Level. (Without using admixture, plasticiser) (a) M15 or Prop. 1:2.4 (for non-structural works)</td>
<td>Cum</td>
<td>0.61</td>
</tr>
</tbody>
</table>
22 Providing and laying concrete in R.C.C work using conacate mixture machine with course sand and 20mm down graded stone aggregates including dewatering if necessary and curving complete as directed. 3. In Columns, pillars, posts, struts, suspended floor, roof, landing, shelf and support, balcony, lintel, sill band, beam, girder, bressumer, cantilever, staircase etc. above plinth level upto 1st floor level. (Without using admixture, plasticiser)  
(a) M15 or Prop. 1.24 (For Non-structural Works)  
Cum 2.40

23 10 mm thick Cement plaster in single coat on fair side of brick/concrete walls for interior plasting up to 1st floor level including arises or rounded angles not exceeding 80mm girth and finished even and smooth including curing complete as directed.  
a) In cement mortar 1:3  
Sqm 22.46

24 Providing polished granite slab of approved quality, size, shape and thickness not less than 18 mm on floors, skirting, treads and risers of steps over cement mortar bed 15 mm thick in prop. 1:3 including cutting where necessary finished with floor pointing with Fix-A-Tile Choksey/Sika/Pidilite/Roof) /white cement slurry mixed with approved pigment to match the shade of granite slab, complete at all levels as specified and directed. (Cement plastering to be measured and paid separately). (Coloured pigment should be in conformity with colour of slab and as approved and directed by the Department)  
Sqm 6.64

25 Providing form work of ordinary timber planking of thickness not less than 23mm and removal of the same for concrete members so as to give a rough finish including centering, shuttering, strutting and propping etc., for height of propping and centering of supporting floor to the soffit of the concrete member not exceeding 4.0M as specified for the following items:  
(i) Thickness of floors/ slab upto 200mm  
Sqm 6.08

26 Providing form work of ordinary timber planking of thickness not less than 25mm and removal of the same for concrete members so as to give a rough finish including centering, shuttering, strutting and propping etc., for height of propping and centering of supporting floor to the soffit of the concrete member not exceeding 4.0M as specified for the following items:  
(a) Columns, Pillars, Posts & Strut  
(b) Square, Rectangular, polygonal in plan or any shape like Tee/L etc. having plane vertical face  
Sqm 24.00

27 Providing, fitting, hoisting and fixing of roof trusses fabricated out of combination of any two or all of the following sections (i) Square section,  
(ii) Rectangular Hollow section of specification RSH/SHS of Grade 310 conforming to relevant I.S. code 4923 : 1997 and (iii) M.S. black-tube of Grade 210 including purfins and providing M.S. cleat, M.S. angle base plank, bolts and nuts with red oxide primer including fitting bottom runner and cleat etc. for fixing ceiling joist as per design complete as directed as per specifications. Using TATA make Rectangular/ Square Hollow section of Grade YST-310 conforming to I.S. Specification : 4923- 1997  
Qtnt. 11.46

28 Providing Pre Painted Galvalume Sheet Roofing (PPGL) (Dyna roof / Sathym/ Century Wells/ Wonder Roof/ DuraKolor make or equivalent) at all levels including fixing and fitting self drilling, self tapping screws complete (Roof trusses, purfins etc. to be measured and paid separately.)  
(e) 0.60 mm thick  
Sqm 48.05

29 Supplying, fitting, fixing M/F Suspended Ceiling with G.I. perimeter channels of size 0.55mm thick (having one flange of 20mm and another flange of 20mm and a web of 27mm) along perimeter of ceiling, screw fixed to brick wall/ partition with the help of nylon sleeves and screws at 610mm c/c and suspending G.I. intermediate channels of size 45mm (0.9mm thick with two equal flanges of 15mm each) from the soffit at 1220mm c/c with ceiling angle of size 25mm x 10mm x 0.55mm fixed to G.I. cleat and steel expansion fasteners; Ceiling section of 0.55mm thickness having knurled web of 51.5mm and two equal flanges of 26mm each with lips of 10.5mm are to be fixed to the intermediate channel with the help of connecting clip and in direction perpendicular to the intermediate channel at 457mm c/c; fixing 9.5mm/ 12.5mm tapered edge Gypsum (conforming to IS:2095-1982) to ceiling section with 25mm long drywall screws at 230mm c/c. and boards to be joined by filling and finishing the tapered and square edges of the boards with jointing compound, joint paper tape and using admixture, plasticiser)  
Sqm 48.05

30 Providing and fixing particle board / block board shutters for cupboards including black enamelled M.S butt hinges (75mm x 40mm x 1.12mm) with necessary wood screws complete as directed.  
b) With 19mm/20mm thick Teak wood particle board  
Sqm 7.29

31 Providing vitreous China wash basin with C/I/MSS brackets, C.P brass chain with plug, PVC waste pipe including painting of fittings and brackets, cutting and making good the walls wherever required. (Pillar cock, stop cocks, waste coupling are to be paid separately)  
(b) Rectangular fitting (FORM(TALE TYPE))  
(i) White  
Normal  
1 Each 1

32 Providing fixing & fixing laboratory sink with C/I/MSS brackets, C.P brass chain with rubber plug, PVC waste pipe etc. complete including painting the fittings, cutting & making good the walls wherever required. (Sink cock, stop cocks, waste coupling are to be paid separately.  
(a) White  
(b) Size 450 x 300 x 150  
Each 1

33 Providing, fitting and fixing Chrome Plated waste coupling complete as directed and specified  
Each 2

34 Supplying fixing and fixing chrome plate (C.P) stop cock of approved brand and size as mentioned below as directed and specified. (G.I. & C.P pipes will be measured and paid separately)  
(a) 15mm dia Male/Female (long thread)  
Each 2

35 Supplying fitting and fixing Chrome Plated (C.P) sink cock of approved brand and size as mentioned below as directed and specified. (G.I. & C.P pipes will be measured and paid separately)  
(a) Normal  
Each 1

36 Supplying fitting and fixing G.I.Pipes(TATA/ SAU/ NZEONE and their equivalent) with all necessary ‘R’ brand or similar approved G.I. Fittings such as bend, tee, elbow, reducer, nipple, plug, long screw fitting, H.W. clamps etc. complete at all levels including below G.L as directed and specified.  
(a) Exposed on wall -  
(iv) 25 mm dia  
Rm 20.00

37 Supplying, fitting and fixing PVC pipes/ bends/ Junctions etc. of Supreme/Prince or other ISI approved make, including joining ,fitting and fixing with clamps etc. as necessary complete at all levels including below G.L as directed and specified.  
1. PVC pipes of 6 Kg/cm2 as directed and specified.  
(d) 75mm dia  
Rm 20.00

38 Supplying, fitting and fixing PVC pipes/ bends/ Junctions etc. of Supreme/Prince or other ISI approved make, including joining ,fitting and fixing with clamps etc. as necessary complete at all levels including below G.L as directed and specified.  
2. 87.5 degree PVC bend as directed and specified  
(d) 75mm dia  
Each 2

39 Supplying, fitting and fixing C.P. pillar cock 15mm dia as directed.  
(a) Normal type  
Each 1

Note: Price evaluation will be done on Lump sum basis