



North Eastern Indira Gandhi Regional Institute of Health and Medical Sciences  
(An Autonomous Institute, Ministry of Health and Family Welfare, Government of India)  
Director's Block, Mawdiangdiang, Shillong 793 018 (Meghalaya)  
**Website:** [www.neigrihms.gov.in](http://www.neigrihms.gov.in)

**Tender No: NEIGR/ENGG/19/2024;**

**Dated 16<sup>th</sup> October, 2024**

**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 CONSTRUCTION OF ADDITIONAL TOILETS AND OTHER  
CIVIL WORKS IN ADMINISTRATIVE BLOCK  
(e -Procurement)**

Bid Document Downloading Start Date:	1400 hours of 17.10.2024
Last Date and Time for Submission of Bid Document Online:	1400 hours of 4.11.2024
Last date and Time of Receipt of Earnest Money Deposit (hard copies):	1400 hours of 4.11.2024
Date and Time of Opening of Techno -Commercial Bids:	1400 hours of 5.11.2024
Cost of Earnest Money Deposit (EMD):	Rs.12,360.00

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.

Name of work	Estimated cost (Rs) (approx)	EMD (Rs)
Construction of Additional toilets and other Civil works in Administrative Block	Rs.6,17,655/-	Rs.12,360/-

#### **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) Bidders /Tenderers are required to submit the tender documents online by scanning and uploading all the relevant documents through [www.eprocure.gov.in](http://www.eprocure.gov.in)
4. 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)
5. **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 dropped in the tender box in the Engineering Section, Director's Block, Mawdiangdiang, NEIGRIHMS, Shillong -793018 within the stipulated date and time.
6. 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, 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) in which can be seen by all bidders who participated in the tender.
7. The bidders should download the **BoQ.xls** from CPP Portal and filled in the blank spaces provided for mentioning the name of bidder and rates. Bidders need not modify any other text or background shown in the BOQ template or replace it with any other copy of same **BOQ in .xls format**. NEIGRIHMS /Central Public Procurement Portal ([www.eprocure.gov.in](http://www.eprocure.gov.in)) will accept the BOQ template only and hence the rate should not be quoted in any other place except BOQ template.
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. **Contractor shall quote the rate of AT PAR or ABOVE the Meghalaya PWD Schedule of Rates for buildings 2021 – 22 and for Roads 2020 – 21 and as per prevailing market rate for the Non Schedule Items**
10. The site is located at Mawdiangdiang
11. Time of completion: 45 (fourty five) days 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. The amount of the security shall be 5% (five percent) of the contract price. The performance security shall remain valid for a minimum period of sixty days beyond the date of completion of all contractual obligations. 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 (C) 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 (C) 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 (C) 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 (C) 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 31<sup>st</sup> 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 each** costing not less than the amount equal to **40% of the estimated cost** or (b) **Two similar completed works each** 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 **80 % 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. Parties to submit valid Labour License from Labour Department
33. Rates once accepted will not be enhanced due to variation in the rate of materials, labour and Government taxes.
34. No tools and plants will be supplied by the Institute
35. No materials will be supplied by the Institute.
36. The quoted rates shall be firm, fixed and binding on the contractor irrespective of any variation in the quantities stated in the contract upto  $\pm 15$  % variation of the contract value as a whole.
37. Successful Non –Tribal tenderers should submit the valid Trading license within 14 (fourteen) days from the date of issue of preliminary work order, failing which the order shall be withdrawn at their risk and responsibility.

38. Any dispute arising out of the contract shall be settled amicably by the Director, NEIGRIHMS, whose decision will be final and binding. In the event the parties are not satisfied they may approach the court of law within the jurisdiction of Shillong only.
39. The specifications and mode of measurement for civil works shall be in accordance with PWD/CPWD specifications unless otherwise specified.
40. In the event of responsive parties quoting same rates, the **Institute reserves the right to allot the work to the bidder having higher / highest credentials in terms of similar work experience**, etc.
41. 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.
42. The Institute reserves the right to accept or reject any or all tenders without assigning any reason thereof
43. All the above requirements are compulsory for fulfillment as part of the tenders failing which tenders will be rejected.
44. All documents, registrations should be valid as on the date of tender.
45. Meghalaya Value added tax / Goods and Service Tax as applicable will be deducted from the bills of the contractor.
46. 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.
47. The parties to furnish an affidavit on a non-judicial stamp paper that there is no police/vigilance/CBI case pending against them.
48. Successful bidder will have to furnish an Undertaking to carry out/ execute the work in strict conformity to the specifications as mentioned in the scheduled items and guide notes of the Scheduled of Rates and Indian Standard codes of practice for materials / as per direction of the Engineer-in-charge failing which he/she shall be liable for disqualification/ blacklisted from participating in future tenders of NEIGRIHMS
49. 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
50. 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.
51. 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
52. 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.
53. The party who is allotted with the work, will have to sign on the measurement book as a token of acceptance of the measurement.
54. 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.
55. 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.
56. All rules of GFR will be applicable
57. Wherever relevant, water charges @ 1% on the Order value will be as applicable

Sd/  
Executive Engineer (Civil)  
NEIGRIHMS

Copy to: Accounts officer for information

**Check List of documents to be submitted along with the tender:**

<b>SI No</b>	<b>Documents</b>	<b>Remarks</b>
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	G S T certificate	
7	Valid Labour License	
8	Documentary proof of work orders, completion certificates as specified in clause 27 of the GCC.	
9	Completion certificates as per FORMAT – A	
10	Average Annual Financial Turnover during the last three years as per FORMAT - B	
11	List of technical staff with Undertaking in the form of affidavit (Degree/Diploma certificate to be enclosed)	
12	Affidavit of no vigilance/police/CBI case pending against them	

### **FORM OF UNDERTAKING**

To

The Executive Engineer (Civil)  
NEIGRIHMS

Sub: Construction of Additional toilets and other civil works in Administrative Block

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	
*Full postal Address	
*Email Address	
*Mobile No	
*Alternate Mobile No	
*Signature and Seal	

All the fields marked \* above are mandatory to be furnished by the contractor

**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)**

**FORMAT B**

**FINANCIAL STATEMENT**

<b>SL NO</b>	<b>FINANCIAL PERIOD</b>	<b>AMOUNTS IN LAKHS</b>
<b>1.</b>	<b>2021 - 2022</b>	
<b>2.</b>	<b>2022 - 2023</b>	
<b>3.</b>	<b>2023 - 2024</b>	

SIGNATURE OF  
CONTRACTOR

SIGNATURE OF  
CHARTERED ACCOUNTANT

I, Shri \_\_\_\_\_, son of Shri \_\_\_\_\_  
\_\_\_\_\_ aged about \_\_\_\_\_, resident of  
\_\_\_\_\_  
\_\_\_\_\_ do hereby solemnly affirm and declare on oath as follows:-

- DEPONENT

Identified by:

(Advocate, Shillong)

## Bill of Quantity

Name of the Work: - Construction of Additional toilets and other civil works in Administrative Block

SI No	Description	Unit	Quantity
1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead a) For thickness of tiles 10 mm to 25 mm	Sqm	2.10
2	Dismantling dressed stone work ashlar face stone work, marble work or precast concrete work including stacking of serviceable and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	Cum	0.56
3	Demolishing cement concrete including disposal of material within 50 metres lead as per direction of Engineer-in-charge a) Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	Cum	6.17
4	Demolishing brick work including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge	Cum	1.05
5	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead: a) Of area 3 sqm and below	Sqm	2.10
6	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	Sqm	37.70
7	Providing soling with stone/ best quality picked jhama brick, sand packed and laid to level and in panel after preparing the subgrade as directed including all labour and materials and if necessary dewatering, complete. b) Stone soling.(a)100mm	Sqm	24.68
8	Filling sunken floor with broken brick bats/ stone aggregates and sand including compacting and supplying of materials complete as specified and directed for all levels (b) Stone aggregate	Cum	0.45
9	Centering and shuttering including strutting, propping etc. and removal of form for all heights complete and as directed by Engineer in charge Lintels, beams, plinth beams, girders, bressumers and cantilevers (using steel).	Sqm	1.26
10	Providing and laying cement concrete in retaining walls etc and all works above plinth level such as pilasters, columns, pillars, posts, struts, buttresses, parapets, coping, plain window sills, fillets, sunken floor etc., up to first floor level, excluding the cost of centering, shuttering and finishing a) 1:3:6 (1 cement:3 coarse sand:6 graded stone aggregate 20 mm nominal size)	Cum	2.85
11	Brick work 7 cm thick with common burnt clay (non modular) 1st class brick in cement mortar 1:3 (1 cement:3 coarse sand) in superstructure above plinth level and upto first floor level a) Cement mortar 1:4 (1 cement:4 coarse sand)	Sqm	17.88
12	Supplying, fitting and fixing in position reinforcement bars upto 1st floor level, conforming to relevant I.S. Code for R.C.C. work/ R.B. walling including straightening, cleaning, cutting and bending to proper shapes and length as per details, supplying and binding with 20G annealed black wire and placing in position with proper blocks, supports, chairs, spacers etc. complete. (Rates inclusive of all wastage, lappage, hooks, chairs, anchorage etc. and no measurement for the same is required) c Thermo-Mechanically Treated bars	Qntl	0.15
13	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer in-charge b) All works above plinth level upto first floor level	Cum	0.09
14	15 mm cement plaster on the rough side of single or half brick wall of mix: b) 1:6 (1 cement: 6 fine sand)	Sqm	46.21

15	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer), of approved make, in all colours and shades of any size as approved by Engineer-in-Charge, in walls, skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete a) Normal range	Sqm	69.37
16	Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS:15622 (thickness to be specified by the manufacturer) of approved make in all colours and shades of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg/sqm including pointing in white cement mixed with pigment of matching shade complete.	Sqm	25.85
17	Surface preparation: a) Removing existing white or colour wash on wall surfaces by steel wire brushing and/ or scraping, sand papering and preparing the surface smooth including necessary repairs to scratches complete.	Sqm	21.84
18	Providing and applying Plaster of Paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm	5.28
19	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade: Old work (one or more coats)	Sqm	43.68
20	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade: New work (two or more coats)	Sqm	5.28
21	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS:733 and IS:1285, fixing with dash fasteners of required diameter and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/ panelling, C.P. brass/ stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, and paneling to be paid for separately): a) For fixed portion (iii) Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	Kg	33.32
22	Providing and fixing ISI marked flush door shutters conforming to IS:2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters a) 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	6.00
23	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade, with necessary screws etc. complete: b) 250x10 mm	Each	4
24	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade, with necessary screws etc. complete: a) 125 mm	Each	8
25	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete: a) 300x16 mm	Each	4
26	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour and shade, with necessary screws etc. complete b) Twin rubber stopper	Each	4

27	Providing and fixing wash basin with C.I. brackets, 15 mm dia. CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required:- White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer	Each	4
28	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS:2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required: a) Single half stall urinal with 5 litre P.V.C. automatic flushing cistern	Each	2
29	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete b) Flexible pipe 32 mm dia. and 40mm dia	Each	7
30	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing: b) Rectangular shape 453x357 mm	Each	5
31	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS:277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia. x 50mm long with 6mm dia. bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel etc a) 12.5 mm thick tapered edge gypsum plain board conforming to IS:2095 (Part I) (Board with BIS certification marks)	Sqm	10.44
32	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber/neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge: c) With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	Sqm	0.23
33	Providing and fixing PTMT grating of approved quality and colour a) Circular type (i) 100 mm nominal diameter	Each	10
34	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device(handle lever), conforming to IS:7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required: a) W.C. pan with ISI marked white solid plastic seat and lid	Each	3
35	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand Cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device(handle lever) conforming to IS:7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required: a) White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	Each	3
36	Providing and fixing solid plastic seat with lid for pedestal type W.C. pan complete: a) White solid plastic seat with lid	Each	1

37	Supply, fitting &fixing of soap dish	Each	5
38	Supply, fitting &fixing of angle cock with wall flange	Each	10
39	Supply, fitting &fixing of connection pipe	Each	10
40	Supply, fitting &fixing of Bib cock with wall flange	Each	4
41	Supply, fitting &fixing of Pillar cock	Each	2
42	Supply, fitting &fixing of wall mounted grab bar 600mm long	Each	8
43	Supply, fitting and fixing of CPVC pipes      Pipe 20mm dia	Rm	60
44	Supply, fitting and fixing of coupler 20mm	Each	20
45	Supply, fitting and fixing of tee 20mm	Each	30
46	Supply, fitting and fixing of elbow 20mm x 15mm	Each	40
47	Supply, fitting and fixing of coupler 20mm x 15mm	Each	10
48	Supply, fitting and fixing of elbow 20mm	Each	50
49	Gum 118ml	Each	4
50	Nail clamp 20mm	Each	60
51	Supply, fitting and fixing of Reducer MABT 20mm x 15mm	Each	10
52	Supply, fitting and fixing of Reducer FABT 20mm x 15mm	Each	10
53	Teflon tape	Each	10
54	Supply, fitting and fixing of CPVC Plug 15mm	Each	30
55	Supplying, fitting and fixing PVC pipes, fittings etc. Pipe 110mm dia	Rm	36
56	Supply, fitting and fixing of Pipe 75mm dia	Rm	36
57	Supply, fitting and fixing of plain bend    110mm dia	Each	20
58	Supply, fitting and fixing of plain bend    75mm dia	Each	20
59	Supply, fitting and fixing of door bend    110mm dia	Each	10
60	Supply, fitting and fixing of door bend    75mm dia	Each	10
61	Supply, fitting and fixing of door tee      75mm dia	Each	10
62	Supply, fitting and fixing of door tee    110mm dia	Each	10
63	Supply, fitting and fixing of tee      110mm dia	Each	6
64	Supply, fitting and fixing of tee      75mm dia	Each	10
65	Supply, fitting and fixing of Coupler    110mm dia	Each	10
66	Supply, fitting and fixing of Coupler    75mm dia	Each	10
67	Supply, fitting and fixing of half bend    110mm dia	Each	10
68	Supply, fitting and fixing of half bend    75mm dia	Each	6
69	Gum    500ml	Each	4
70	Supply, fitting and fixing of Aluminium clamp patti	Roll	10
71	Supply, fitting and fixing of Full thread screw 1 ½"	Each	100
72	Supply, fitting and fixing of Gudca 1 ½"	Each	100