



ASSAM UNIVERSITY: SILCHAR

E-TENDER

Name of Work: Annual Maintenance Contract (Civil) for University Campus except Boys' & Ladies' Hostels of Assam University Silchar

Estimated Amount: Rs.47,99,803/-

Certified that this technical tender document contains (61) pages including the cover page.

Tender issued to: -----

Date of issue: -----

Signature of issuing Officer of the University



ASSAM UNIVERSITY: SILCHAR

(A Central University Constituted under Act. XXIII of 1989)

e-TENDER DOCUMENT

Name of Work: Annual Maintenance Contract (Civil) for University Campus except Boys' & Ladies' Hostels of Assam University Silchar

- Application/Form Fee: Rs.500/-
- Estimated Cost: Rs. 47,99,803/-
- Earnest Money: Rs. 95,996/-
- Tender Processing Fee payable to ITI Limited: Rs. 5662/-
- Last date of submission online of tender: 06-06-2022 up to 11.00 A.M.
- Date and Time of online Technical Bid Opening: 06-06-2022 at 11.30 A.M.
- Date and Time of online Price Bid Opening: 06-06-2022 at 12:00 PM



CHECK LIST OF DOCUMENTS

Following Self-attested Certificates along with self-attested copy of tender document must be scanned and uploaded:

Note: The Technical Bid shall be instantly rejected, if the following documents are not scanned and uploaded online. The EMD & Tender cost, both in original, must be submitted offline, failing which the bid will be rejected instantly.

Check List:

1. Valid registration certificate of Central Govt./ State Govt./PSU
[Proforma 2(a)] : Yes/No
2. Experience certificate: Experience of executing similar nature of works during the last seven years with the record of completion [Proforma 3(a)]: Yes/No
(Within seven years from date of publication of NIT)
3. Bank solvency from nationalized/ scheduled Bank within one year from date of Publication of NIT as per Prescribed [Proforma-2(b)] : Yes/No
[At least 40% of the Estimated Cost has to be mentioned in the certificate]
4. Ongoing works statement [Proforma 3(b)] : Yes/No
5. PAN CARD : Yes/No
6. GSTIN : Yes/No
7. EPF registration certificate with latest deposit challan copy : Yes/No
(Payment of wage month must be within two months from last date of submission of bid)
8. Certificate and undertaking from the Engineer employed : Yes/No
9. Self-attested copy of tender document : Yes/ No

Note:

- a. The Bidders are required to submit the print copy of the above uploaded documents duly self-certified along with the proof towards payment of tender document cost and EMD submitted. However, in case of any discrepancy found, the documents submitted through online mode will only be considered. Submission of tender cost & EMD in original, through offline mode is a must, failing which the bid will be disqualified.
- b. Works completion Certificate should be issued by officer not below the rank of Executive Engineer or equivalent/ Head of any Institution. Work order shall not be considered as proof for works completion.

Signature of Agency / Contractor



ASSAM UNIVERSITY: SILCHAR

(A Central University Constituted under Act. XXIII of 1989)

Name of Work: Annual Maintenance Contract (Civil) for University Campus except Boys' & Ladies' Hostels of Assam University Silchar

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SECTION I – NOTICE INVITING E-TENDER

ASSAM UNIVERSITY, SILCHAR

File No. AU/ENGG/MAINT/CIVIL/04/2022/01

Date: -30-05-2022

NOTICE INVITING E-TENDER

Online tenders in two bid systems valid for 90 days are invited from Registered Civil Contractors having valid registration of CPWD/MES/State PWD/PSU of appropriate class and category for the following work at Assam University, Silchar.

Name of Work	Estimated Cost	Time of Completion	EMD (In Rupees)	Application / Form Fee	Tender Processing Fee	Last date of submission of e-tender	Date and Time of online Technical Bid Opening	Date and Time of online Price Bid Opening
Annual Maintenance Contract (Civil) for University Campus except Boys' & Ladies' Hostels of Assam University Silchar	Rs. 47,99,803/-	365 days	Rs. 95,996/-	Rs. 500/-	Rs. 5662/-	06-06-2022 to 11.00 A.M	06-06-2022 At 11.30 A.M	06-06-2022 At 12.00 P.M

The eligible contractors who are financially sound and proficient in the similar nature of works are to quote their **rate in Item Rate Basis**. Rate should be inclusive of all taxes & incidental charges.

The tender documents and other details can be obtained from the websites www.aus.ac.in, or <https://mhrd.euniwizarde.com> or <https://eprocure.gov.in/epublish/app> for which nonrefundable tender fees of Rs. 500/- per tender payable in DD (Drawn in favour of Assam University, Silchar) to be enclosed as application fees along with tender document. The University does not bind itself to accept lowest tender and reserves the right to reject any or all the tenders received by recording clear, logical reasons.

**Sd/-
Executive Engineer**



TENDER CONDITIONS:

1. The Tenderer shall quote his rate as per NIT & the Terms and Conditions enclosed in the Tender document.
2. Tender Documents can be downloaded from www.aus.ac.in. or <https://mhrd.euniwizarde.com> Or <https://eprocure.gov.in/epublish/app> Mandatory Tender application/Form fee of **Rs.500/- (Five hundred only)** in the form of demand draft drawn(DD) in favor of Assam University, Silchar, payable at Silchar from a scheduled /nationalized bank only, failing which the tender will not be accepted.
3. Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the University and local conditions and other factors having bearing on the execution of the work.
4. **The Earnest Money Deposit (EMD) of Rs. 95,996/-** mentioned above is absolutely mandatory. EMD may be submitted in the form of **Bank Draft/ FDR /Call Deposit drawn in favor of the Assam University, Silchar** from a scheduled /nationalized bank only, failing which the tender will not be accepted. Soft copy of such EMD be uploaded while submitting the tender and hard copy of the EMD has to be submitted to Engineering Section, AUS on or before the Day of tender opening.



5. **Mode of Submission (Offline) of tender Document within 11.00 AM(06-06-2022):**

- a. **EMD to be sealed in Envelop No-1**
- b. **Envelop No-2 should contain following documents: -**
 - i. **Self-attested registration certificate,**
 - ii. **Self-attested PAN Card,**
 - iii. **Self-attested GST Registration,**
 - iv. **Self-attested EPF registration, copy of latest chalan,**
 - v. **Self-attested work experience certificate for similar nature of work,**
 - vi. **Self-attested bank solvency certificate,**
 - vii. **Self-attested Certificate and undertaking in original from the Engineer employed,**
 - viii. **Self-attested copy of tender document.**
- c. **Envelop No-1 & 2 to be inserted in a single Envelop No-3 properly sealed with wax and super scribing Name of Work, Closing Date & Name of Agency/Contractor on the cover of the Envelop No-3.**

NB:- If any Bidder is found to submit any misleading information regarding their credentials, during or afterwards, of tendering procedure and execution of work, then disciplinary action will be taken against those bidders as per GOI rules.

6. Tenders should be valid for 90 days from the date of opening of the tenders and may have to be extended further if considered necessary by the University. No reasons will be assigned for extension and no withdrawal shall be allowed. If any tenderer withdraws his tender before the said period or issue of letter of acceptance, which-ever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the University, then the University shall, without prejudice to any other right or remedy, be at liberty to forfeit the said Earnest Money Deposit.
7. **The time allowed for completing the work will be 365 days from the issue of work order.**
8. No Telex/ Tele fax/ Telegram/ E-mail of the Techno-Commercial and Price bids will be accepted. The University is not responsible for Postal/ Courier delays. The parties have to ensure the receipt of bids well in time.
9. If the date of tender submission and opening happens to be unforeseen holiday, the same will be postponed to the next working day without any further intimation.
10. The University does not bind itself to accept lowest tender and reserves the right to reject any or all the tenders received without assigning of any reason thereof. All tenders in which any of the prescribed condition is not fulfilled or any condition put forth by the tenderer, shall be summarily rejected.
11. **Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tender submitted by the contractors who resort to canvassing will be summarily rejected.**



12. The University does not bind itself to accept lowest tender and reserves the right to reject any or all the tenders received by recording clear, logical reasons.
13. This Notice Inviting Tender shall form a part of the contract document.
14. The successful tenderer/ contractor, on acceptance of his tender by the University, shall within 15 days from the stipulated date of start of the work sign the contract agreement in standard form consisting of the notice inviting tender, all the documents including additional conditions, specifications and drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
15. No materials will be supplied by the University.
16. In case of delay in completion of the work within the stipulated time due to reasons attributable to the contractor, Standard Liquidated Damage @ 0.1% of the final bill value shall be recovered for each day of delay from the final bill or the part there of subject to a maximum of 10%.
17. The contractor shall obtain a valid license under the contract labour (R&A) Act, 1970, and the contract labour central rules 1971, during the commencement of the work, and continue to have a valid license until the completion of the work. The contractor shall also abide by the provisions of the Child Labour (Prohibition and Regulation) Act, 1986 and other labour laws. Any failure to fulfill this requirement shall attract the penal provisions of this contract arising out of the resultant no execution of the work. No labour below the age of fourteen years shall be employed on the work.
- 18. The contractor should have experience of successfully completing similar nature of government work either (i) single work which has 80% of estimated value, or (ii) at least two works each of 60% of estimated value, or (iii) at least three works each of 40% of estimated value, put to tender with some Central Government Department/ State Government Department/ Central Autonomous Body/ Central Public Sector undertaking. The work order as well as completion certificate (original/ self-attested copy) for similar nature of works should be attached failing which the bid will not be considered.**
- 19. EPF registration is mandatory which is to be submitted along with the latest challan receipt during submission of tender document. The latest challan copy means payment receipt of wage month within two months of last date of submission of the bid.**
20. During Opening of tender only representative duly authorized by the agency / contractor will be allowed to be present.



21. All relevant documents submitted with the tender should be self-attested (by the agency/ contractor) and on demand original copy must be produced failing which tender will not be considered.
22. Authenticity of signatory (contractor) of tender document will be verified before finalization of tender document.
23. Tax at higher of prescribed rate or 20% will be deducted on all transactions liable to TDS, where the permanent Account Number (PAN) of the deductee is not available.
24. 05% security money will be retained by the University from the bill value which shall be released after 01(one) year of satisfactory completion of work along with 05% of Performance Guarantee.
25. EMD of unsuccessful bidder shall be released within 02 (two) months after issue of work order to the successful bidders.
26. If the work is found not as per specification or abandoned by the executing contractor/agency, same will be cancelled and remaining work will be done through other contractor/agency at their cost & risk.
27. **An Engineer (Civil), diploma with minimum five years' experience in the required field or B.E. (Civil Engg.) must be engaged by the contractor** (Whose certificate duly self-attested, one copy photo & an undertaking by the Engineer in original is to be enclosed with the technical bid failing which the tender will not be considered) to supervise the work. The Engineer engaged must be familiar with all the works specified in the contract & must be acquainted with CPWD specification, manual etc. The engagement of engineer is not mandatory for Contractor possessing equivalent technical qualification.
28. Detailed computerized measurement entry in the measurement sheet (location wise) has to be made by the contractor and to be submitted to Engineering Section (AUS) for joint verification by the University Engineers and the Contractor. The joint verification has to be arranged by the Contractor.
29. Before procuring any major items like cement/ steel/ tiles/ coarse & fine sand/ stone aggregate etc., the Contractor must take prior permission/ submit test report as per the direction of engineering section.
30. The Contractor has to arrange water supply at his own cost for his site office as well as for all construction works to be executed by him. As the University has acute water crisis problem, so University will not be able to supply water.



31. Bank solvency certificate as per our enclosed format is to be issued by any schedule/ nationalized bank which is to be enclosed by the Contractor in the Technical Bid, failing which the Bid will be rejected.
32. Arbitration: In case of dispute or difference between the parties in the contract or its execution thereof, the same will be sorted out amicably, mutually. In the event that an amicable settlement cannot be reached, any dispute arising out of or relating to this Agreement shall be settled by a sole Arbitrator appointed by mutual agreement, the place of Arbitration shall be Assam University Silchar and in case of failure to settle the matter through arbitration the provisions of Arbitration and Conciliation Act, 1996 will be applicable and subject to jurisdiction of civil court of Silchar at the request of either party. This Agreement shall be guided by relevant applicable Laws of land.
33. **At any time prior to the deadline for submission of bids, the University may, if necessary, modify the tender document by a written amendment. All prospective Tenders will be notified of the amendment which will be binding to all the bidders. The amendments will be notified on the websites, <https://mhrd.euniwizarde.com> or www.aus.ac.in.**
34. **The bidders are advised to get themselves registered on the e-Procurement portal at least a week before the scheduled date and time of bid submission. This will help the new bidders/vendors to get familiar with the e-Procurement portal. The bidders must arrange computers/laptop, high speed internet and other equipment etc. required for bid submission. For more details visit <https://mhrd.euniwizarde.com>**
35. **Those bidders who accept the above terms and conditions, may submit their tender along with all relevant documents and a copy of above terms and conditions of the tender duly signed.**
36. **The bidders are directed to complete the works strictly within the stipulated time, failing which Assam University may not be in a position to make payment after the fund validity is over.**

Sd/-

Executive Engineer



SECTION – II: PROFORMA FOR SUBMISSION OF TENDER

To,
Executive Engineer
Assam University, Silchar – 788 011

Subject: Annual Maintenance Contract (Civil) for University Campus except Boys' & Ladies' Hostels of Assam University Silchar

Sir,

Having carefully examined and read the Notice Inviting e-Tender, Tender documents and all other documents attached regarding **Tender No.**

AU/ENGG/MAINT/CIVIL/04/2022/01.....I/We hereby tender for the execution of the work specified for Assam University, Silchar in the documents as per the conditions mentioned therein.

I/We enclose herewith Earnest Money Deposit of **Rs. 95,996/-** in the formfrom.....(name of bank) in favour of Assam University, Silchar.

I/We certify that we have carefully read each and every condition and technical specifications given in this Tender Documents and understood the same, and I/ We conform our acceptance of the same.

I/We agree to abide by this tender initially for a period of **90 days** from the last day fixed for opening of Tender by the University and it shall remain binding on me/us and order may be accepted at any time before the expiry of that period.

I/We hereby undertake not to withdraw from this Tender, during this period of **90 days**. However, if I/ We withdraw it, the University shall have right to invoke the Earnest Money without reference to me/us.

Should this Tender be accepted by the University I/we hereby agree to abide by and fulfill all terms and conditions of Tender Documents and in default thereof.

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/ confidential documents and shall not communicate information derived there from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the University.

Signature of tenderer: -----



SECTION – III: GENERAL RULES AND DIRECTIONS

1. SUBMISSION OF TENDER

- a) The General Conditions of Contract for Central PWD /APWD Works shall be the guiding principles for this work. Tenderer are advised to procure the same and familiarize themselves with the provisions of the above-mentioned Conditions of Contract.
- b) The University reserves the right to alter, modify any Tender Conditions, technical specifications etc., before tender opening and may seek fresh quotation depending upon necessity, and may even withdraw/ cancel the tender, without assigning any reason.
- c) All amendments/ revisions to tender documents issued by the University, if any, must be signed and submitted along with the tender. The tenderer are advised to submit the tender based strictly on the terms and conditions and specifications contained in the tender documents, and not to stipulate any deviations.

2. (a) Tenders shall be prepared and submitted in soft copies of their bids electronically on the e-bid Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the e-Procurement Portal <https://mhrd.euniwizarde.com>, prepare their bids in accordance with the requirements and submitting their bids online on the e- Procurement Portal.

(b) Insertion, postscript, addition and alteration are allowed till before the time of the closing of tender. In the event of the tender being submitted by a firm, any of the partners may upload and submit the tender.

TENDERER TO INFORM HIMSELF FULLY

The tenderer is required to carefully examine the technical specifications and other details relating to the work given in the Tender documents and fully inform himself as to all conditions and matters that may affect the work or the cost thereof. The tenderer shall be deemed to have independently obtained all necessary information for the purpose of submitting the tender and his tender as accepted shall be deemed to have taken into account all contingencies as may arise due to such information or lack of the same.

PARTICULARS OF TENDER:

- Last date of submission online of tender: 06-06-2022 up to 11.00 A.M.
- Date and Time of online Technical Bid Opening: 06-06-2022 at 11.30 A.M.
- Date and Time of online Price Bid Opening: 06-06-2022 at 12:00 PM

Validity of tender: Tender shall remain valid for acceptance for a period of not less than **90 days**.



CLARIFICATIONS

The Tender Document issued is complete in all respect and no further clarifications are elaborated. However, in so far Technical Clarifications if any are concerned even though not binding on university can be ascertained from the University.

QUOTATION OF PRICE / RATES

This being item rate tender, the tenderer shall state at what rate he will be willing to undertake the work. Rate should be quoted **in Item Rate Basis**.

COMPLETION TIME

The completion time is the essence of the contract. The Tenderer shall complete the work within the period indicated in the Notice Inviting e-Tender.

TRANSFER OF TENDER DOCUMENTS/ TENDERS

Transfer of tender documents purchased by one tenderer to another is not permissible. Similarly transfer of tenders submitted by one tenderer to another is not permissible under any circumstances. The alteration of essence of tender once submitted is also not permissible.

LANGUAGE

The Tender shall be submitted in English language only.

EARNEST MONEY DEPOSIT

1. The tender must be accompanied by the Earnest Money Deposit pledged in favour of **Assam University, Silchar**, in the form of Demand Draft / FDR/Call Deposit as indicated in the Notice Inviting Tender. If the tenderer after submitting online his tender release from his offer or modify the Terms and Conditions thereof in a manner not acceptable to the University, the Earnest Money will be forfeited. Tenders not accompanied by the earnest money deposit will not be considered and will be summarily rejected.
2. On Non-acceptance of tender, but in any case, not earlier than the expiry date of the period for which the tender is kept open, the Earnest Money shall be discharged.
3. Should the Tender in question be withdrawn or cancelled by the University, which the University shall have the right to do at any time, Earnest Money will be discharged.



4. Should the successful tenderer fail or refuse to duly sign the contract within the period fixed by the University or fail/refuse to commence the work within the stipulated time, the Earnest Money shall be forfeited without prejudice to his being liable for any further loss or damage incurred in consequence by the University.

5. The L-1 Tenderer has to submit 5% performance guarantee of the tendered amount within 15 days of issuing letter of acceptance as per CPWD General Conditions of Contract which must be valid till the finalization of the work and release of SD money. After submission of 5% performance guarantee, the 2% EMD submitted by the bidder during tendering will be released.

NO CLAIM FOR COMPENSATION FOR SUBMISSION OF TENDER

The Tenderer whose tender is not accepted shall not be entitled to claim any costs, charges and expenses of any incidental to or incurred by him thorough or in connection with his submission of tender, even though the University may modify/ withdraw the Tender.

LOWEST TENDER NOT NECESSARILY TO BE ACCEPTED

The University does not bind itself to accept lowest tender and reserves the right to reject any or all the tenders received by recording clear, logical reasons.

TENDER EVALUATION

The Tenders received and accepted will be evaluated to ascertain the best and lowest workable tender in the interest of the University, for the complete work covered under the technical specifications and documents.



SECTION – IV: TERMS AND CONDITIONS GOVERNING THE TENDER AND EXECUTION OF CONTRACT THEREOF

1. DEFINITIONS

- A. Unless otherwise required by the subject or context the terms herein below shall have the following meanings.
- a) The **Contract** means the documents forming the tender and acceptance thereof and the formal agreement executed between the competent authority on behalf of Assam University and the Contractor, together with the documents referred to therein including these conditions, the specifications, designs, drawings and instructions issued from time to time by the Executive Engineer, Assam University and all the these documents taken together, shall be deemed to form one contract and shall be complementary to one another.
 - b) **Client** means Assam University acting through the Registrar, Assam University, Silchar.
 - c) The **Contractor** shall mean the individual, firm or company, whether incorporated or not, undertaking the works and shall include the legal personal representative of such individual or the persons composing such firm or company, or the successors of such firm or company and the permitted assigns of such individual, firm or company.
 - d) The expression **works** or **work** shall, unless there be something either in the subject or context repugnant to such construction, be construed and taken to mean the works by or by virtue of the contract contracted to be executed whether temporary or permanent, and whether original, altered, substituted or additional.
 - e) The **site** shall mean the land/ or other places, on, into or through which work is to be executed under the contract or any adjacent land, path or street which may be allotted or used for the purpose of carrying out the contract.
 - f) **Tender Value** means the value of the entire work as stipulated in the letter of award.
 - g) Where the context so requires, words imparting the singular only also include the plural and vice versa. Any reference to masculine gender shall whenever required include feminine gender and vice versa.
 - h) As stated in Section III, Clause 1.1, the General Conditions of Contract for Central PWD Works shall be the guiding principles for this tender. The Clauses of Contract mentioned therein shall also be applicable herein and only those Clauses that need addition, emphasis and modification in context of this tender are enumerated below. Contractors are once again advised to familiarize themselves with the General Conditions of Contract for Central PWD Works.

2. SIGNING OF CONTRACT AGREEMENT

- a) On the tender being accepted by the Client, a formal contract may be signed
- b) and executed by and between the Client and the successful tenderer within a
- c) time to be fixed by the Client, which shall anyhow be within 15 days from the stipulated date of start of the work.



- d) The contractor shall be furnished, free of cost one certified copy of the contract documents except standard specifications, Schedule of Rates and such other printed and published documents, together with all drawings as may be forming part of the tender papers. None of these documents shall be used for any purpose other than that of this contract.

3. SCOPE OF WORK

- i. The work to be carried out under the Contract shall, except as otherwise provided in these conditions, include all labour, materials, tools, plants, equipment and transport which may be required in preparation of and for and in the full and entire execution and completion of the works. The descriptions given in the Schedule of Quantities shall, unless otherwise stated, be held to include wastage on materials, carriage and cartage, carrying and return of empties, hoisting, setting, fitting and fixing in position and all other labours necessary in and for the full and entire execution and completion of the work as aforesaid in accordance with good practice and recognized principles.
- ii. The contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates and prices quoted in price bid which rates and prices shall, except as otherwise provided, cover all his obligations under the Contract and all matters and things necessary for the proper completion and maintenance of the works.

4. DISCREPANCIES AND ADJUSTMENT OF ERRORS

- i. The several documents forming the Contract are to be taken as mutually explanatory of one another, detailed drawings being followed in preference to small scale, drawing and figured dimensions in preference to scale and special conditions in preference to General Conditions.
- ii. If there are varying or conflicting provisions made in any one document forming part of the contract, the Executive Engineer, Assam University shall be the deciding authority with regard to the intention/ interpretation of the document and his decision shall be final and binding on the contractor.
- iii. Any error in description, quantity or rate in Schedule of Quantities or any omission therefrom shall not vitiate the contract or release the Contractor from the execution of the whole or any part of the works comprised therein according to drawings and specifications or from any of his obligations under the contracts.



5. TERMS OF PAYMENT

Subject to any deduction, which the client may be entitled to make under the Contract, all payments to contractor for the work will be made on completion of the work as per approved specifications through digital mode by direct credit to the bank account of the contractor on satisfactory completion report and signing of the computerized Measurement Book & bill by Site (i/c) of the proposed work and Executive Engineer without which payment will not be released. The Computerized measurement sheet must be submitted by the concerned contractor of the work for verification by the site i/c and Executive Engineer before finalization of payment of bill. Along with submission of bill in computerized measurement sheet, the bidder should submit labour acquaintance sheet.

6. SECURITY DEPOSIT& PERFORMANCE GURANTEE

05% Security Deposit will be retained by the University from the bill value, which shall be released along with 05% performance guarantee after 01 (One) year from the date of completion of the work. During this defect liability period, any defect(s) in the work done shall be rectified by the Contractor at his/her own cost and expenses, failing which recovery shall be done from the security deposit and performance guarantee in part or full as the case may be.

7. RELEASE OF SECURITY DEPOSIT& PERFORMANCE GUARANTEE

Release of the 05% security deposit and 05% performance guarantee will be done after 12 months of final acceptance of the work by the Assam University, Silchar.

8. SUB CONTRACTING OF THE WORK

The Contractor is not permitted to assign or transfer his/ their obligation or benefit under the contract either in full or in part to other individuals/ firms / agencies. However, under extreme circumstances where sub-contracting of part of the work is unavoidable, prior written permission of Client shall be taken by the Contractor.



ANNEXURE – I

CHECKLIST

- 1. Proforma of details of Contractor's Registration – 2(a)**

- 2. Proforma of Bank Solvency Certificate – 2 (b)**

- 3. Proforma of Similar works executed during the last 7 years – 3(a)**

- 4. Proforma of list of on-going works – 3 (b)**



PROFORMA - 2 (a)

DETAILS OF CONTRACTOR'S REGISTRATION

1. Name of the agency / Contractor :

2. Name of the department issued :

Contractor's registration

3. Registration No. :

4. Class of registration :

5. Category of registration :

6. Tender limit :

7. Validity period :

Copy of Registration certificate to be enclosed Signature of agency / contractor



PROFORMA-2 (b)

FORM OF SOLVENCY CERTIFICATE FROM A SCHEDULED BANK

This is to certify that to the best of our knowledge and information M/S/Sri.....having marginally noted address, a customer of our bank are/ is respectable and can be treated as good for any engagement up to a limit of Rs.....(Rupees.....
.....).

This certificate is issued without any guarantee or responsibility on the Bank or any of the officers.

(Signature)
For the Bank

Note : In case of partnership firm, certificate to include all partners as recorded with the Bank.

Signature of agency/contractor



PROFORMA-3 (a)

EXPERIENCE

3. (a) CIVIL WORKS :

List of similar works executed during preceding 7 years

Sl. No.	Name of work with brief particular thereof	Date of commencement	Date of completion as per work order	Actual date of completion	Contract Amount (Rs.)	Name of client, contact with his complete address phone No.

Add extra sheet if required.

Seal of the company / Contractor with

Signature of the Company/Contractor

Date:

NOTE: Original or self-attested copies of work order & completion certificates from clients shall be attached.



PROFORMA-3 (b)

EXPERIENCE

3. (b) LIST OF ONGOING WORKS:

Sl. No.	Name of work with brief particular thereof	Date of commencement	Date of completion as per work order	Contract Amount (Rs.)	Name of client, contact with his complete address phone No.

Add extra sheet if required.

Signature of the Company/Contractor

Seal of the company / contractor

Date :

NOTE : Original or self-attested copies of work order from clients shall be attached.



SECTION –V : SPECIAL INSTRUCTION FOR ONLINE BID SUBMISSION

[Special Instructions for Online Bid Submission.](#)

The bidders are required to submit soft copies of their bids electronically on the e-bid Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the e-Procurement Portal <https://mhrd.euniwizarde.com>, prepare their bids in accordance with the requirements and submitting their bids online on the e- Procurement Portal.

REGISTRATION

1. Bidders are required to enroll on the e-Procurement Portal (<https://mhrd.euniwizarde.com>) by clicking on the link “Online bidder Registration” on the e-bid Portal by paying the Registration fee of Rs. 2360/- per year charge.
2. As part of the enrolment process, the bidders will be required to choose a unique user name and assign a password for their accounts.
3. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication with the bidder.
4. Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Only Class III Certificates with signing + encryption key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.),with their profile.
5. Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse.
6. Bidder then logs in to the site through the secured log-in by entering their user ID/password and the password of the DSC / e-Token.
7. The scanned copies of all original documents should be uploaded on portal.
8. **For any Query contact to our helpdesk Number 011-49606060, 9355030620**
9. **Email: ewizardhelpdesk@gmail.com**



SEARCHING FOR BIDDING DOCUMENTS

10. There are various search options built in the e-bid Portal, to facilitate bidders to search active bids by several parameters. These parameters could include Bid ID, Item/work id, Last date of submission, etc.
11. Once the bidders have selected the bids they are interested in, the bidder can pay the processing fee by net-banking / Debit / Credit card and then download the required documents / bid schedules, Bid documents etc. as mentioned on website. Once processing fee is paid, it will be moved to the respective “requested” Tab. This would enable the e-bid Portal to intimate the bidders through e-mail in case there is any addendum and corrigendum issued to the bidding document.

PREPARATION OF BIDS

12. Bidder should take into account any addendum and corrigendum published on the bid document before submitting their bids.
13. Please go through the bid advertisement and the bid document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
14. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the bid document / schedule and generally, they can be in PDF /JPEG formats. Bid Original documents may be scanned with 100 dpi with Colored option which helps in reducing size of the scanned document.
15. To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders should use “My Documents” available to them to upload such documents.
16. These documents may be directly submitted from the “My Documents” area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.



SUBMISSION OF BIDS

17. Bidder should log into the website well in advance for the submission of the bid so that it gets uploaded well in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
18. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the bidding document.
19. Bidder has to select the payment option as “Online mode or Bank Guarantee” as to pay the EMD as applicable and enter details of the instrument.
20. In case of Bank Guarantee scanned copy of BG should be uploaded along with bid. . The original Bank Guarantee shall be submitted to office of the concerned official of **Assam University Silchar** as per schedule mentioned in the bid document. Non submission of original Bank Guarantee within the specified period shall lead to summary rejection of bid. The details of the BG, physically submitted should match with the details available in the scanned copy and the data entered during bid submission time. Otherwise bid will be rejected.
21. ***Bidders** are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BOQ format with the bid document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BOQ file, open it and complete (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BOQ file is found to be modified by the bidder, the bid will be rejected.
22. The server time (which is displayed on the bidder’s dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
23. All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid opener public keys. Overall, the



uploaded bid documents become readable only after the bid opening by the authorized bid openers.

24. The uploaded bid documents become readable only after the bid opening by the authorized bid openers.
25. Upon the successful and timely submission of bid click “Complete”(i.e. after Clicking “Submit” in the portal), the portal will give a successful Bid submission acknowledgement & a bid summary will be displayed with the unique id and date & time of submission of the bid with all other relevant details.
26. The bid summary has to be printed and kept as an acknowledgement of bid submission.

ASSISTANCE TO BIDDERS

**1. For any Query contact to our helpdesk Number 011-49606060, 9355030620
Email : ewizardhelpdesk@gmail.com**

SPECIAL INSTRUCTIONS TO BIDDERS FOR E-TENDERING

General:

These Special Instructions (for e-Tendering) supplement ‘General Instructions to Bidders’ (GIB), as given in the Tender Documents. Submission of Bids only through online process is mandatory for this Tender. e-Tendering is a new methodology for conducting Public Procurement in a transparent and secured manner. Suppliers/ Vendors will be the biggest beneficiaries of this new system of procurement. For conducting electronic tendering, **Assam University Silchar** has decided to use the <https://mhrd.euniwizarde.com> through Central Public Procurement Portal, Ministry of H.R.D., and Government of India. Benefits to Suppliers are outlined on the Homepage of the E-portal.

Instructions:

a. Tender Bidding Methodology:

Through electronic tendering.

b. Broad outline of activities from Bidders prospective:

- I. Procure a Digital Signing Certificate (DSC)
- II. Register on <https://mhrd.euniwizarde.com>
- III. Create Users and assign roles on <https://mhrd.euniwizarde.com>
- IV. View Notice Inviting Tender (NIT) on <https://mhrd.euniwizarde.com> or www.aus.ac.in



- V. Download Official Copy of Tender Documents from <https://mhrd.euniwizarde.com> or www.aus.ac.in
- VI. Bid-Submission on <https://mhrd.euniwizarde.com>: Prepare & arrange all document/paper for submission of bid online only.
- VII. Utmost care may be taken to name the files/documents to be uploaded on <https://mhrd.euniwizarde.com>
- VIII. It is advised that all the documents to be submitted are kept scanned or converted to PDF format in a separate folder on your computer before starting online submission. BOQ(Excel Format) shall be filled online only.

For participating in this tender online, the following instructions need to be read carefully..

c. Digital Certificates:

For integrity of data and its authenticity/ non-repudiation of electronic records, and to be compliant with IT Act 2000, it is necessary for each user to have a Digital Certificate (DC), also referred to as Digital Signature Certificate(DSC), of Class 3, issued by a Certifying Authority (CA) licensed by Controller of Certifying Authorities (CCA).

d. Registration:

To use the MHRD Portal (<https://mhrd.euniwizarde.com>). Vendor needs to register on the portal. The vendor should visit the home-page of the portal (<https://mhrd.euniwizarde.com>) .
Note: Please contact Helpdesk (as given below), to get your registration accepted/activated.

Help Desk No.:

Number 011-49606060, 9355030620, Email ewizardhelpdesk@gmail.com,

e. Bid related Information for this Tender

The entire bid-submission would be online on <https://mhrd.euniwizarde.com>. Broad outline of submissions area follows:

i. Submission of Bid Security/Earnest Money Deposit (EMD)

Note: 1. The Bidder has to upload the Scanned/ self-attested copy of all above mentioned original documents during Online Bid-Submission.

Note:2. Special Note on Security of Bids: The bid EMD/Bid Security/Security

Deposit can be submitted online only. Through available modes of payment on the e-Procurement portal. Refer to the instructions to the bidders and bidder manuals for more details.

f. Other Instructions:-

For further instructions, the vendor should visit the home-page of the portal (<https://mhrd.euniwizarde.com>) or www.aus.ac.in).



The following 'Four Key Instructions' for BIDDERS must be assiduously adhered to –

- a) Obtain individual Digital Signing Certificate (DSC) well in advance of your first tender Submission. Register your organization on <https://mhrd.euniwizarde.com> well in advance of your first tender submission deadline.
- b) Get your organization's concerned executives trained on <https://mhrd.euniwizarde.com> using online training module well in advance of your tender submission deadline on <https://mhrd.euniwizarde.com>.
- c) Submit your bids well in advance of tender submission deadline on <https://mhrd.euniwizarde.com> (Assam University Silchar should not be responsible any problem arising out of internet connectivity issues).

Note: While the first three instructions mentioned above are especially relevant to first-time users of the <https://mhrd.euniwizarde.com>, the fourth instruction is relevant at all times.

g. PRICE SCHEDULE:

1. PRICE fills online only.

2. The rate of items shall be filled online only. Scanned copy of this document is not to be attached along with other enclosures.



Price Bid

ASSAM UNIVERSITY: SILCHAR						
Name of Work: Annual Maintenance Contract (Civil) for University Campus except Boys' & Ladies' Hostel of Assam University Silchar						
File No.AU/ENGG/MAINT/CIVIL/04/2022						
Name of the Company/Firm						
SI.No.	Description of Item	Quantity		Rate (Rs)	Unit	Amount(Rs)
1	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto 50 m and lift up to 1.5 m, as directed by Engineer-in-Charge:					
a)	All kinds of soil	125.56	Sqm		One Square Metre	0.00
2	Earth work in rough excavation, banking excavated earth in layers not exceeding 20 cm in depth, breaking clods, watering, rolling each layer with ½ tonne roller or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up in embankments for roads, flood banks, marginal banks and guide banks or filling up ground depressions, lead up to 50 m and lift up to 1.5 m :					
a)	All kinds of soil	120.45	Cum		One Cubic Metre	0.00



3	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.	68.95	Cum		One Cubic Metre	0.00
4	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	19.45	Cum		One Cubic Metre	0.00
5	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift upto 1.5 m.					
a)	All kinds of soil.	29.44	Sqm		One Square Metre	0.00
6	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50m outside the periphery of the area cleared.	22.12	Sqm		One Square Metre	0.00
7	Filling with available fly ash and earth (excluding rock) in trenches or embankment in layers (each layer should not exceed 15 cm), with intermediate layer of compacted earth (Soil density of 98%) after every four layers of compacted depth of fly ash, sides & top layer of filling shall be done with earth having total minimum compacted thickness 30 cm or as decided by Engineer -in- charge, including compacting each layer by rolling/ ramming and watering , all complete as per drawing and direction of Engineer -in - charge.	5.36	Cum		One Cubic Metre	0.00



8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					
a)	1:1½:3 (1 Cement: 1½ coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	4.56	Cum		One Cubic Metre	0.00
c)	1:2:4 (1 cement : 2 coarse sand(zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	5.64	Cum		One Cubic Metre	0.00
9	1:3:6 (1 Cement : 3 coarse sand(zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources).	3.35	Cum		One Cubic Metre	0.00
10	Centering and shuttering including strutting, propping etc. and removal of form work for :					
a)	Foundations, footings, bases for columns.	25.34	Sqm		One Square Metre	0.00
c)	Columns, piers, abutments, pillars, posts and struts.	20.45	Sqm		One Square Metre	0.00
11	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation leveling and dressing and finishing the top smooth.	150.24	Sqm		One Square Metre	0.00
12	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :					



a)	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	12.24	Cum		One Cubic Metre	0.00
c)	1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size derived fro natural resources)	5.65	Cum		One Cubic Metre	0.00
13	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III)derived from natural sources : 3 graded stone aggregate 20 mm nominal sizederived from natural sources).	4.88	Cum		One Cubic Metre	0.00
14	Centering and shuttering including strutting, propping etc. and removal of form for :					
a)	Foundations, footings, bases of columns, etc. for mass concrete	12.34	Sqm		One Square Metre	0.00
b)	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	9.54	Sqm		One Square Metre	0.00
c)	Suspended floors, roofs, landings, balconies and access platform	14.66	Sqm		One Square Metre	0.00
e)	Lintels, beams, plinth beams, girders, bressumers and cantilevers	28.34	Sqm		One Square Metre	0.00
f)	Columns, Pillars, Piers, Abutments, Posts and Struts	12.56	Sqm		One Square Metre	0.00
g)	Stairs, (excluding landings) except spiral-staircases	22.14	Sqm		One Square Metre	0.00
15	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.					



f)	Thermo-Mechanically Treated bars of grade Fe-500D or more.	320.00	Kg		One Kilogram	0.00
16	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.					
f)	Thermo-Mechanically Treated bars of grade Fe-500D or more.	250.00	Kg		One Kilogram	0.00
a)	All works upto plinth level					
17	Brick work with common burnt clay modular bricks of class designation 7.5 in foundation and plinth in:					
a)	Cement mortar 1:4 (1 cement : 4 coarse sand)	4.50	Cum		One Cubic Metre	0.00
18	Brick work 7 cm thick with common burnt clay F.P.S. (non modular) brick of class designation 7.5 in cement mortar 1:3 (1 cement : 3 coarse sand) in superstructure above plinth level and upto floor five level.	50.68	Sqm		One Square Metre	0.00
19	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in :					
b)	Cement mortar 1:4 (1 cement : 4 coarse sand)	45.88	Sqm		One Square Metre	0.00
20	Providing and fixing plywood 4 mm thick, one side decorative veneer conforming to IS: 1328 (type-1), for plain lining / cladding with necessary screws, including priming coat on unexposed surface with :					
a)	Decorative veneer facings of approved manufacture	14.68	Sqm		One Square Metre	0.00



21	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, shades except burgundy, bottle green, black 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 per sqm, including pointing in white cement mixed with pigment of matching shade complete.	24.56	Sqm		One Square Metre	0.00
22	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).					
b)	Sal wood	1.36	Cum		One Cubic Metre	0.00
c)	Kiln seasoned and chemically treated hollock wood.	1.21	Cum		One Cubic Metre	0.00
23	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc.					
a)	Sal wood	0.22	Cum		One Cubic Metre	0.00
b)	Kiln seasoned and chemically treated hollock wood.	0.34	Cum		One Cubic Metre	0.00



24	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 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.	44.24	Sqm		One Square Metre	0.00
25	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.					
a)	Fixed to steel windows by welding.	130.00	Kg		One Kilogram	0.00
b)	Fixed to openings /wooden frames with rawl plugs screws etc.	76.00	Kg		One Kilogram	0.00
26	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete :					
a)	125 mm	50.00	No.		Each	0.00
b)	100 mm	25.00	No.		Each	0.00
c)	75 mm	14.00	No.		Each	0.00
27	Providing and fixing oxidised M.S. casement stays (straight peg type) with necessary screws etc. complete.					
b)	250 mm weighing not less than 150 gms.	25.00	No.		Each	0.00
c)	200 mm weighing not less than 120 gms.	14.00	No.		Each	0.00



28	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	12.00	No.		Each	0.00
b)	250x16 mm	36.00	No.		Each	0.00
29	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 :					
a)	300x10 mm	45.00	No.		Each	0.00
b)	250x10 mm	35.00	No.		Each	0.00
c)	200x10 mm	23.00	No.		Each	0.00
d)	150x10 mm	22.00	No.		Each	0.00
e)	100x10 mm	12.00	No.		Each	0.00
30	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	75.00	No.		Each	0.00
b)	100 mm	56.00	No.		Each	0.00



31	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.					
a)	Single rubber stopper	21.00	No.		Each	0.00
32	Providing and fixing partition upto ceiling height consisting of G.I. frame and required board, including providing and fixing of frame work made of special section power pressed/ roll form G.I. sheet with zinc coating of 120 gms/ sqm(both side inclusive), consisting of floor and ceiling channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, including fixing of studs along both ends of partition fixed flush to wall with suitable anchor fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of boards to both side of frame work by 25 mm long dry wall screws					



	<p>on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The boards are to be fixed to the frame work with joints staggered to avoid through cracks, Galvanised M.S. fixing channel of 99 mm width (0.9 mm thick having two flanges of 9.5 mm each with zinc coating of 120 gms/sqm(both side inclusive)) to be provided at the horizontal joints of two boards, fixed to the studs using metal to metal flat head screws, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, angle beads at corners (25 mm x 25 mm x 0.5 mm), joint finisher and two coats of primer suitable for board as per manufacture's specification and direction of engineer in charge all complete.</p>					
b)	<p>75mm overall thickness partition with 12.5 mm thick double skin tapered edged plain Gypsum board conforming to IS: 2095: (part 1) : 1996 (Board with BIS certification marks)</p>	32.12	Sqm		One Square Metre	0.00



33	<p>25 mm thick PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762 mm X 25 mm or less as per requirement with an average wall thickness of 1 mm (\pm 0.3 mm). PVC foam end cap of size 23x10 mm are provided on both vertical edges to ensure the overall thickness of 25 mm. M.S. tube having dimensions 19 mm x 19 mm and 1.0 mm (\pm 0.1 mm) is inserted along the hinge side of the door. Core of the door shutter should be filled with High Density Polyurethane foam. The Top & Bottom edges of the shutter are covered with an end-cap of the size 25 mm X 11 mm. Door shutter shall be reinforced with special polymeric reinforcements as per manufacturer's specification and direction of Engineer- in-charge to take up necessary hardware and fixtures. Stickers indicating the locations of hardware will be pasted at appropriate places.</p>	12.76	Sqm		One Square Metre	0.00
34	<p>Providing and fixing factory made shutters of Pre-laminated particle board flat pressed three layer or graded wood particle board with one side decorative finish and other side balancing lamination conforming to IS: 12823 Grade I Type II, of approved design, and edges sealed with water resistant paint and lipped with aluminium 'U' type edge beading all-round the shutter, including fixing with angle cleat, grip strip, cadmium plated steel screws including fixing of aluminium hinges 100x63x4 mm etc. complete as per architectural drawing and direction of Engineer-in-Charge (Cost of 'U' beading and hinges will be paid for separately).</p>					



a)	25 mm thick.	12.44	Sqm		One Square Metre	0.00
35	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete	221.00	Kg		One Kilogram	0.00
36	Providing and fixing 1 mm thick M.S. sheet sliding-shutters, with frame and diagonal braces of 40x40x6 mm angle iron, 3 mm M.S. gusset plates at the junctions and corners, 25 mm dia pulley, 40x40x6 mm angle and T- iron guide at the top and bottom respectively, including applying a priming coat of approved steel primer.	24.66	Sqm		One Square Metre	0.00
37	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.					
a)	Using M.S. angels 40x40x6 mm for diagonal braces	6.42	Sqm		One Square Metre	0.00
b)	Using flats 30x6mm for diagonal braces and central cross piece	4.46	Sqm		One Square Metre	0.00



38	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.					
a)	80x1.25 mm M.S. laths with 1.25 mm thick top cover.	4.56	Sqm		One Square Metre	0.00
39	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.					
a)	Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).	5500.44	Kg		One Kilogram	0.00
40	Welding by gas or electric plant including transportation of plant at site etc. complete.	11000.25	cm		One Centimetre	0.00
41	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.					
a)	In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete.	250.00	Kg		One Kilogram	0.00



42	Providing & fixing fly proof wire gauze to windows, clerestory windows & doors with M.S. Flat 15 x 3mm and nuts & bolts complete.					
a)	Galvanised M.S. Wire gauze with 0.63mm dia wire and 1.4 mm aperture on both sides.	22.44	Sqm		One Square Metre	0.00
43	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows all complete with :					
a)	4.0 mm thick glass panes.	95.00	Sqm		One Square Metre	0.00
44	Providing and fixing angle iron frames for doors, windows and ventilators of mild steel Angle sections of size 35x35x5 mm, joints mitred and welded by angle iron 35x35x5 mm or 35x 5 mm flat pieces to the existing T-iron frame or to the wall with dash fastener, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer, all complete as per the direction of Engineer-In-charge.	93.00	Kg		One Kilogram	0.00
45	Brick on edge flooring with bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with same mortar, with common burnt clay non modular bricks:					
a)	1:4 (1 cement : 4 coarse sand)	85.44	Sqm		One Square Metre	0.00
46	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.					
a)	40 mm thick with 20 mm nominal size stone aggregate	45.68	Sqm		One Square Metre	0.00



47	52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	1.00	Sqm		One Square Metre	0.00
48	Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement.					
a)	18 mm thick.	16.22	Sqm		One Square Metre	0.00
49	Cement concrete pavement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete.	2.24	Cum		One Cubic Metre	0.00
50	Extra for making chequers of approved pattern on cement concrete floors, steps, landing, pavements etc.	57.80	Sqm		One Square Metre	0.00
51	Providing and fixing glass strips in joints of terrazzo/ cement concrete floors.					
a)	40 mm wide and 4 mm thick.	57.80	m		One Metre	0.00
52	Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20mm thick bed of cement mortar 1:4 (1					



	cement: 4 coarse sand).					
a)	Light shade pigment using white cement.	34.56	Sqm		One Square Metre	0.00
b)	Medium shade pigment using 50% white cement 50% Grey cement.	12.44	Sqm		One Square Metre	0.00
53	Providing and laying Ceramic glazed floor tiles of size 300x300 mm(thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @3.3kg/sqm including pointing the joints with white cement and matching pigments etc., complete.	34.56	Sqm		One Square Metre	0.00
54	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08%and conforming to IS : 15622 , of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.					
a)	Size of Tile 500x500 mm	6.75	Sqm		One Square Metre	0.00
b)	Size of Tile 600x600 mm	7.94	Sqm		One Square Metre	0.00



55	Fixing glazed/ Ceramic/ Vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3mm thickness.	30.22	Sqm		One Square Metre	0.00
56	Providing corrugated G.S. sheet roofing including vertical/curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.					
c)	0.63 mm thick with zinc coating not less than 275 gm/ m ²	12.34	Sqm		One Square Metre	0.00
57	Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J. or L hooks, bolts and nuts 8 mm dia. G.I. limpet and bitumen washers complete.					
b)	0.63 mm thick with zinc coating not less than 275 gm/m ²	10.00	Rm		One Running Metre	0.00
58	Providing valleys of 90 cm wide overall in plain G.S. sheet fixed with polymer coated J, or L hooks, bolts and nuts 8 mm dia. G.I. limpet and bitumen washers complete :					
a)	1.60 mm thick with zinc coating not less than 350 gm/m ²	11.00	Rm		One Running Metre	0.00



59	Painting top of roofs with bitumen of approved quality @ 17 kg per 10 sqm impregnated with a coat of coarse sand at 60 cudm per 10 sqm including cleaning the slab surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil complete :					
a)	With residual type petroleum bitumen of grade VG - 10	12.68	Sqm		One Square Metre	0.00
60	Providing and fixing insulating board ceiling of approved quality with necessary nails etc. complete (frame work to be paid separately) :					
a)	Natural colour insulating board					
(i)	12 mm thick	14.56	Sqm		One Square Metre	0.00
61	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 37 mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50 mm long with 6 mm 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 which 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 with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :					
a)	12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) : 2011 (Board with BIS certification marks)	10.24	Sqm		One Square Metre	0.00
62	15 mm cement plaster on rough side of single or half brick wall finished with a floating coat of neat cement of mix :					
b)	1:4 (1 cement: 4 fine sand)	120.24	Sqm		One Square Metre	0.00



63	Cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement.					
a)	12 mm cement plaster	120.44	Sqm		One Square Metre	0.00
64	Neat cement punning	50.34	Sqm		One Square Metre	0.00
65	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	100.88	Sqm		One Square Metre	0.00
66	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade.					
a)	New work (two or more coats) over and including water thinnable priming coat with cement primer.	56.88	Sqm		One Square Metre	0.00
67	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete.					
a)	On steel work	61.24	Sqm		One Square Metre	0.00
68	Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :					
a)	New work (two or more coats) including a coat of approved steel primer but excluding a coat of mordant solution.	125.67	Sqm		One Square Metre	0.00
69	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :					
a)	Two or more coats on new work.	167.78	Sqm		One Square Metre	0.00



70	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:					
a)	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.	121.56	Sqm		One Square Metre	0.00
71	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	134.45	Sqm		One Square Metre	0.00
72	Finishing walls with water proofing cement paint of required shade :					
a)	Old work (one or more coats applied @ 2.20 kg/10 sqm) over priming coat of primer applied @ 0.80 litres/10 sqm complete including cost of Priming coat.	156.65	Sqm		One Square Metre	0.00
73	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground , all complete as per directions of Engineer-In-Charge.					
a)	With cement mortar 1:4 (1 cement : 4 fine sand).	350.56	Sqm		One Square Metre	0.00



74	Fixing chowkhats in existing opening including embedding chowkhats in floors or walls cutting masonry for holdfasts, embedding hold fasts in cement concrete blocks of size 15 x 10 x 10 cm with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size), painting two coats of approved wood preservative to sides of chowkhats and making good the damages to walls and floors as required complete, including disposal of rubbish to the dumping ground, all complete as per directions of Engineer-In-Charge.					
a)	Door chowkhats .	30.00	No.		Each	0.00
c)	Clerestory window chowkhats .	20.00	No.		Each	0.00
75	Fixing chowkhat in existing opening in brick / RCC wall with dash fasteners/Chemical fasteners of appropriate size (3 nos on each vertical member of door chowkhat and 2 nos on each vertical member of window chowkhats), including Cost of dash fasteners/ chemical fastener.	12.00	No.		Each	0.00
76	Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete, to match existing surface i/c disposal of mulba/rubbish to the nearest municipal dumping ground, all complete as per directions of Engineer-In-Charge.					
a)	For door/ window/ clerestory window.	13.44	Sqm		One Square Metre	0.00



77	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty:					
a)	Float glass panes of nominal thickness 4 mm (weight not less than 10kg/sqm).	200.24	Sqm		One Square Metre	0.00
78	Refixing old glass panes with putty and nails .	210.44	Sqm		One Square Metre	0.00
79	Providing and fixing 25 mm thick shutters for cup board etc. :					
a)	Panelled or panelled & glazed shutters :					
(ii)	Ist class teak wood including nickel plated bright finished M.S. piano hinges with necessary screws.	5.42	Sqm		One Square Metre	0.00
80	Disconnecting damaged overhead/terrace PVC water storage tank of any size from water supply line and removing from the terrace including shifting at ground level as per direction of Engineer-in- charge.	25.00	No.		Each	0.00
81	Providing & fixing White vitreous china water closet squatting pan (Indian type) along with "S" or "P" trap including dismantling of old WC seat and "S" or "P" trap at site complete with all operations including all necessary materials, labour and disposal of dismantled material i/c malba, all complete as per the direction of Engineer-in charge.					
b)	Orissa pattern W.C Pan of size 580x440 mm	34.00	No.		Each	0.00
82	Cutting holes of required size in brick masonry wall for fixing of exhaust fan including providing and fixing 300 mm dia PVC pipe conforming BIS-12818 and making good the same etc. complete as per direction of Engineer-in-charge.	10.00	No.		Each	0.00



83	Dismantling W.C. Pan of all sizes including disposal of dismantled materials i/c malba all complete as per directions of Engineer-in-Charge.	23.00	No.		Each	0.00
84	Hacking of CC flooring including cleaning for surface etc. complete as per direction of the Engineer-in-Charge.	100.24	Sqm		One Square Metre	0.00
85	Taking out existing wooden door shutter, repair by cutting, painting etc. and refixing of repaired door shutters to existing door frames, including replacement of hinges with screws, etc. as required, all complete as per the direction of the Engineer-in-charge.	15.00	No.		Each	0.00
86	Demolishing cement concrete manually/ by mechanical means 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)	5.33	Cum		One Cubic Metre	0.00
87	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	2.33	Cum		One Cubic Metre	0.00
88	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge..					
d)	In cement mortar	1.25	Cum		One Cubic Metre	0.00
89	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 sq. metres and below	23.00	No.		Each	0.00
90	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead:					
a)	Of area 3 sq. metres and below	32.00	No.		Each	0.00
91	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	43.24	Sqm		One Square Metre	0.00
92	Dismantling of flushing cistern of all types (C.I./PVC/Vitreous China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	11.00	No.		Each	0.00
93	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	27.00	No.		Each	0.00
b)	Stainless Steel AISI-304(18/8) Orissa pattern W.C. pan of size 585x480 mm with flush pipe and integrated type foot rests	4.00	No.		Each	0.00



94	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	5.00	No.		Each	0.00
b)	W.C. pan with ISI marked black solid plastic seat and lid	6.00	No.		Each	0.00
95	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :					
a)	W.C. pan with ISI marked white solid plastic seat and lid	5.00	No.		Each	0.00
96	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard 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 :					



a)	One urinal basin with 5 litre white P.V.C. automatic flushing cistern	4.00	No.		Each	0.00
97	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:					
b)	White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap	7.00	No.		Each	0.00
98	Providing and fixing PTMT pillar cock of approved quality and colour.					
a)	15 mm nominal bore, 107 mm long, weighing not less	13.00	No.		Each	0.00
99	Providing and fixing white vitreous china pedestal for wash basin etc.	6.00	No.		Each	0.00
100	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :					
a)	15 mm nominal bore	128.00	No.		Each	0.00
101	Providing and fixing white vitreous china pedestal type (European type/ wash down type) water closet pan.	14.00	No.		Each	0.00
102	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete.					
a)	10 litre capacity - White	35.00	No.		Each	0.00
103	Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings :					
a)	Flat back wash basin of size 630x450 mm.	25.00	No.		Each	0.00



104	Providing and fixing kitchen sink including making all connections excluding cost of fittings.					
a)	White glazed fire clay sink of size 600x450x250 mm.	14.00	No.		Each	0.00
105	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.					
a)	Semi rigid pipe					
(i)	32 mm dia	5.00	No.		Each	0.00
(ii)	40 mm dia	6.00	No.		Each	0.00
b)	Flexible pipe					
(i)	32 mm dia	6.00	No.		Each	0.00
(ii)	40 mm dia	5.00	No.		Each	0.00
106	Providing and fixing 100 mm sand cast Iron grating for gully trap.	9.00	No.		Each	0.00
107	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	29.00	No.		Each	0.00
108	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.	22.00	No.		Each	0.00
109	Providing and fixing toilet paper holder :					
a)	C.P. brass	9.00	No.		Each	0.00
b)	Vitreous china	9.00	No.		Each	0.00
110	Providing and fixing soil, waste and vent pipes :					
a)	100 mm dia.					



(i)	Sand cast iron S&S pipe as per IS: 1729.	9.34	Rm		One Running Metre	0.00
111	Providing and fixing plain bend of required degree.					
a)	100 mm dia					
(i)	Sand cast iron S&S as per IS - 1729	12.00	No.		Each	0.00
112	Providing and fixing vitreous china dual purpose closet suitable for use as squatting pan or European type water closet (Anglo Indian W.C pan) with seat & lid fixed with C.P. brass hinges and rubber buffers, 10 litre low level flushing cistern with fitting and brackets, 40 mm flush bend, 20 mm over flow pipe, with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required:					
a)	White vitreous china dual purpose WC pan with white solid plastic seat and lid with white vitreous china flushing cistern and C.P. flush bend.	2.00	No.		Each	0.00
b)	600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.	12.00	No.		Each	0.00
113	Providing and fixing PTMT shelf 440 mm long, 124 mm width and 36 mm height of approved quality and colour, weighing not less than 300 gms.	12.00	No.		Each	0.00



114	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. : Internal work - Exposed on wall					
b)	20 mm nominal outer dia. Pipes.	54.32	m		One Running Metre	0.00
c)	25 mm nominal outer dia .Pipes.	45.66	m		One Running Metre	0.00
d)	32 mm nominal outer dia. Pipes.	74.22	m		One Running Metre	0.00
e)	40 mm nominal outer dia. Pipes.	12.34	m		One Running Metre	0.00
115	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. : Internal work – Exposed on wall.					
b)	20 mm dia. nominal bore	34.88	m		One Running Metre	0.00
c)	25 mm dia. nominal bore	56.44	m		One Running Metre	0.00
116	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete :					
a)	25 to 40 mm nominal bore	12.00	No.		Each	0.00



117	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :					
a)	25 mm nominal bore	6.00	No.		Each	0.00
e)	50 mm nominal bore	5.00	No.		Each	0.00
118	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws including excavation, refilling the earth or cutting of wall and making good the same complete wherever required :					
c)	25 mm nominal bore.	8.00	No.		Each	0.00
d)	32 mm nominal bore.	9.00	No.		Each	0.00
119	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	15000.00	Ltr		One Litre	0.00
120	Providing and laying S&S C.I. Standard specials such as tees, bends, collars tapers and caps etc, suitable for flanged jointing as per IS :1538:					
a)	Up to 300 mm dia	0.56	Qtl		One Quintal	0.00
b)	Above 300 mm dia	0.85	Qtl		One Quintal	0.00



121	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 dia 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 / paneling, C.P. brass/ stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :					
a)	For fixed portion					
(i)	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	12.12	Kg		One Kilogram	0.00
b)	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately).					
(i)	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	56.68	Kg		One Kilogram	0.00



122	Providing and fixing 12mm thick pre-laminated particle board flat pressed three layer or graded wood particle board conforming to IS:12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.					
a)	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side.	11.44	Sqm		One Square Metre	0.00
123	Any other item of DSR 2021	20000.00	Rs.			0.00
Total				0.00		