



ASSAM UNIVERSITY: SILCHAR

NOTICE INVITING TENDER

Assam University, Silchar, invites sealed tender with a validity period of 90 (Ninety) days from the date of receipt of tender in prescribed format available in the Engineering Section of Assam University, Silchar from the Govt. registered contractors having Civil Registration of APWD/CPWD/MES/PSU of appropriate class and category having valid registration for the work as mentioned below:-.

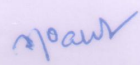
Name of Work	Estimated Cost	Time of Completion	EMD (in Rupees)	Cost of tender document	Last date of submission of tender	Due date and time for opening of sealed tender
Construction of Vertical Extension of Mathematics Building of Assam University, Silchar	₹ 39,20,336.00	90 (ninety) days	₹ 78,500/-	₹ 500/-	12.03.2018 Up to 2 pm.	12.03.2018 at 3 pm

The eligible Contractor 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. Self attested copy of (i) Valid registration certificate (ii) PAN Card (Where PAN of the deductee is not available, Tax at higher of the prescribed rate or 20% will be deducted on all transactions) (iii) GST Registration (iv) Work experience on similar nature of work, (v) Bank solvency certificate, (vi) EPF registration (with last challan receipt copy), (vii) Certificate and undertaking of the Engineer to be employed, duly signed are to be enclosed with the tender without which the tender will not be accepted.

The interested bidder may examine the nature of work available in Engineering Section and visit the site to satisfy them about the scope of the work before submitting the tender. The duly filled in tender can be submitted hand in the Tender Box at Engineering Section, Administrative Building, Assam University, Silchar on 12.03.2018 up to 2 pm. Tenders will be opened on 12.03.2018 at 3 pm. in presence of the tenderers or their authorized representatives.

The tender document can be downloaded from University web site www.aus.ac.in for which non refundable 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 Tender document can also be obtained from the Engineering Section on all working days during 01.03.2018 to 12.03.2018 up to 12 noon. 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.

Assam University reserves the right to accept/reject any or all tender including lowest bidder by recording clear, logical reasons. Canvassing in any form will be a disqualification for submission of the tender including submission of tender to the university in future.


Executive Engineer

File No. AU/Engg/Const/107/2016

Date: 28.02.2018

Copy to:-

1. PS to VC for kind information of the Hon'ble Vice-Chancellor
2. PS to Registrar for kind information of the Registrar
3. PS to Finance Officer for kind information of the Finance Officer
4. Director, Computer Centre for information & with a request to upload the aforesaid notice in University



ASSAM UNIVERSITY: SILCHAR

TENDER

**Name of Work: Construction of Vertical Extension of Mathematics Building
of Assam University, Silchar Campus.**

Estimated Amount: Rs. 39,20,336.00

Certified that this technical tender document contains (20) 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)

TENDER DOCUMENT

**Name of Work: Construction of Vertical Extension of Mathematics Building
of Assam University, Silchar Campus.**

Estimated Amount: Rs 39,20,336.00

Last date and time of **submission**
of tender paper :- 12.03.2018 up to 2 pm.

Date and time of **opening of Bid** :- 12.03.2018 at 3 pm.

INSTRUCTIONS TO BE FOLLOWED:-

- **EMD** to be sealed in envelope No.1
- **Technical Bid** is to be sealed in envelope No. 2 (Page no. 1-20)
- **Price Bid** is to be sealed in envelope No.3 (Page no. 21-35)
- **Envelope No.1, 2 & 3 to be inserted in a single envelope**, properly sealed and subscribing name of work, closing date & name of agency / contractor on the cover of the envelope.
- **NB: Sealed Means:** Sealing by Wax / Gum / Any type of Adhesive Tape etc **but NOT pinned or stapled.**



CHECK LIST OF DOCUMENTS

1. Valid registration certificate (Xerox copy self attested) of
Central Govt./ State Govt./PSU (Proforma 2(a) : Yes/No
2. Experience certificate:
Experience of executing similar nature works during the last seven years
with the record of completion [Proforma 3(a) (Xerox copy self attested)] : Yes/No
3. Bank solvency from nationalized Bank within one financial year
as per prescribed Proforma-2(b) (Xerox copy self attested) : Yes/No
[at least 40% of the Estimated Cost has to be mentioned in the certificate]
4. On going works statement (Xerox copy self attested) [Proforma 3(b)] : Yes/No
5. PAN CARD (Xerox copy self attested) : Yes/No
6. GSTIN (Xerox copy self attested) : Yes/No
7. EPF registration certificate with last challan copy (Xerox copy self attested) : Yes/No
8. Certificate and undertaking from the Engineer employed : Yes/No
(Xerox copy self attested)



ASSAM UNIVERSITY: SILCHAR
(A Central University Constituted under Act. XXIII of 1989)

**Name of Work: Construction of Vertical Extension of Mathematics Building
of Assam University, Silchar Campus.**

Estimated Amount: Rs 39,20,336.00

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SECTION I – NOTICE INVITING TENDER

ASSAM UNIVERSITY, SILCHAR

File No. AU/Engg/Const/107/2016

Date: 28.02.2018

NOTICE INVITING TENDER

Sealed tenders valid for 90 days are invited from Registered Civil Contractors having valid registration of CPWD/MES/State PWD/PSU/Central Autonomous Bodies of appropriate class and category for the following work at Assam University, Silchar.

Tender No.	Name of work	Estimated Cost	Completion time	Earnest Money	Cost of tender document	Last date and time for submission of tender	Due date and time for opening of Bid
File No. AU/Engg/Const/107/2016	Construction of Vertical Extension of Mathematics Building of Assam University, Silchar Campus.	Rs 39,20,336 .00	45 (forty five) days	Rs 78,500/-	Rs 500/-	12.03.2018 upto 2.00 PM	Opening of Bid:- 12.03.2018 at 3.00 PM

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 document can be downloaded from University web site www.aus.ac.in for which non refundable 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 Tender document can also be obtained from the Engineering Section on all working days during **01.03.2018** to **12.03.2018** up to 12 noon. 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. 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.
3. **The Earnest Money Deposit (EMD) of Rs 78,500/- (Rupees seventy eight thousand five hundred) only** mentioned above is absolutely mandatory and shall be enclosed along with the tender in the form of **FDR /Call Deposit drawn in favour of the Assam University, Silchar** from a scheduled /nationalized bank only, failing which the tender will not be accepted.
4. 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.
5. **The time allowed for completing the work will be 45(forty five) days from the issue of work order.**
6. 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.
7. 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.



8. 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.
9. **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.**
10. 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.
11. This Notice Inviting Tender shall form a part of the contract document.
12. 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.
13. No materials will be supplied by the University.
14. 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 tender accepted value shall be recovered for each day of delay from the final bill or the part there of subject to a maximum of 10%.
15. 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.
16. **The contractor should have experience of successfully completing 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.**
17. **EPF registration is mandatory which is to be submitted along with the last challan receipt during submission of tender document.**



18. During Opening of tender only representative duly authorized by the agency / contractor will be allowed to be present.
19. 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.
20. Authenticity of signatory (contractor) of tender document will be verified before finalization of tender document.
21. 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.
22. In case of any dispute, it would be referred to a sole Arbitrator to be appointed by the University authority. The decision of the sole Arbitrator will be final and binding to both the parties.
23. 10% 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.
24. EMD of unsuccessful bidder shall be released within 02 (two) months after issue of work order to the successful bidders.
25. 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.
26. **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 technical qualification.
27. 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.
28. 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.
29. 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.
30. 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.
31. **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.**

**Sd/-
Executive Engineer**



SECTION – II: PROFORMA FOR SUBMISSION OF TENDER

To,

**Executive Engineer
Assam University, Silchar – 788 011**

Subject: Construction of Vertical Extension of Mathematics Building of Assam University, Silchar Campus.

Sir,

Having carefully examined and read the Notice Inviting Tender, Tender documents and all other documents attached regarding Tender No. **Au/Engg/Maint/Const/107/2016** dated
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. 78,500/-** 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 CPWD Works shall be the guiding principles for this work.** Tenderers 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 what so ever.
- (c) All amendments/ revisions to tender documents issued by the University, if any, must be signed and submitted along with the tender. The tenderers 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.

1.2 Tenders shall be prepared and submitted in sealed envelope super scribed as “Tender No..... Dated :..... DUE FOR OPENING ON FOR THE WORK “. The full name, Postal address, telegraphic address and telex/ telefax /telephone No. of the tenderer shall be written at the bottom left corner of the sealed envelope.

1.3 Insertion, postscript, addition and alteration shall not be recognized unless confirmed by the Tenderers signature.

In the event of the tender being submitted by a firm, it must be signed separately by each partner thereof or in the event of the absence of any partner, it must be signed on his behalf by a person holding a power of attorney.

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 effect 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 and time for submission of tender	: Engineering Section, Assam University, Silchar by 12.03.2018 upto 2.00 PM
Date and Place of opening of Bid	: Engineering Section, Assam University, Silchar, Opening of Bid on:- 12.03.2018 at 3.00 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 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 his tender resigns 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. 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.

6. 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.

7. 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.

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 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

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



- ii. 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 there from 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 would be made by Cheque / Demand Draft in favour 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.**

6. SECURITY DEPOSIT

10% Security Deposit will be retained by the University from the bill value, which shall be released after 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 in part or full as the case may be.

7. RELEASE OF SECURITY DEPOSIT

Release of the security deposit 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.

Signature of the Company/Contractor

Seal 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.



Price Schedule of Quantity
Estimated Cost: Rs 39,20,336.00



Amount (In words) =.....

.....

Name:

Address:-

Ph No:-

ASSAM UNIVERSITY-SILCHAR
CONSTRUCTION OF VERTICAL EXTENSION OF MATHEMATICS BUILDING
AT
ASSAM UNIVERSITY CAMPUS, SILCHAR

Sl. No.	Specification of item of works	Unit	Quantities	Rate	Amount
	REINFORCED CEMENT CONCRETE WORKS				
1	Providing and laying plain/reinforced cement concrete works cement , coarse sand & 20mm down graded stone aggregate including dewatering if necessary, and curing complete but excluding cost of form work and reinforcement for reinforced cement concrete work (form work and reinforcement will be measured and paid separately)				
	(I) Using mixture machine				
	(B) In super-structure				
	(ii) Columns, pillars, posts, struts, suspended floor, roof, landing, shelf and support, balcony, lintel, sill band, beam, girder, bressumer, cantilever, staircase (except spiral staircase and landing) including preparing the top surface and finishing of nosing.				
	N) Without using admixture, plasticiser	Cu.M.	33.00		
	b) M20 grade concrete or Prop. 1:1.5:3				
	TIMBER SHUTTERING (FORMWORK)				
2	Providing form work of ordinary timber planking so as to give a rough finish including centering, shuttering, strutting and propping etc., height of propping and centering below supporting floor to ceiling not exceeding 4.0M and removal of the same for in-situ reinforced concrete and plain concrete work in:				
	Columns, Pillars, Posts & Strut				
	(a) Square, Rectangular, polygonal in plan or any shape like Tee/L etc. having plane vertical face	Sq.M.	94.00		
	(i) Using 38mm thick plank				

		Sides and Soffits of Beams, beam haunchings, cantilever girders, bressumers, lintels and horizontal ties.				
	(a)	For depth not exceeding 1.0M.	Sq.M.	154.30		
	(i)	Using 38mm thick plank				
		Flat Surfaces such as soffits of suspended floors, roofs, landings, cantilever slabs, chajjas, balconies and the like.				
	(a)	Floors etc. upto 200mm in thickness.	Sq.M.	40.00		
	(i)	Using 25mm thick plank				
		Vertical ties, fins, sun breaker, louvers, bands, dropwalls etc.				
	(ii)	Using 25mm thick plank	Sq.M.	77.00		
		MASONRY WORKS				
3		230mm thick brick wall in cement mortar with 1st class brick including racking out joints and curing complete as directed in structure				
	(b).	In proportion 1:4.(1 cement:4 sand)				
		(II) In superstructure				
			Sq.M.	105.00		
4		1st class brick nogged wall in cement mortar including racking out joints and curing complete as directed in super structure above plinth up to 1st floor level (protruding M.S rod/Tor steel of column to be embedded in cement mortar and will be measured and paid separately)				
		(II) In Super-structure				
		A) For 125mm thick wall.				
	(a)	In cement mortar in proportion 1:4. (1 cement:4 sand)				
			Sq.M.	202.00		

5		40 mm thick cement concrete floor consisting of 25 mm under layer of cement concrete in prop. 1:3:6 (1cement : 3 coarse sand : 6 coarse aggregate of 12.5 mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1cement :1 coarse sand : 2 coarse aggregate of size 10mm down) finished with a floating coat of neat cement finish using cement slurry for bond @ 2.75 kg. per square metre of floor area , wearing layer is to be laid in panels including curing etc. complete as directed.	Sq.M.	9.00		
6		Cement plaster skirting with cement mortar in prop. 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement including rounding of junctions with floor.	Sq.M.	2.50		
		(a) 15 mm thick				
7		Providing Ceramic Tiles of approved quality, size, shape and thickness not less than 8 mm on floors, skirtings, treads and risers of steps over cement mortar bed 15 mm thick in prop. 1:3 (1 cement : 3 coarse sand) including cutting where necessary finished with flush pointing with Fix-A-Tile Choksey /Sika/Pedelite /Rouf) /white cement slurry mixed with approved pigment to match the shade of granite slab, complete at all levels as specified and directed. (Coloured pigment should be in conformity with colour of slab and as approved and directed by the Department).	Sq.M.	356.40		
	c)	Delux range Somany/ Orient/Nitco/Qtone Make				
	iii)	Of size 600mmx600mm and above				
8		Providing polished ceramic wall Tiles of approved quality, size, shape and thickness not less than 8mm on walls and skirtings over cement mortar bed 10 mm thick in prop. 1:3 (1 cement : 3 coarse sand) including cutting where necessary finished with flush pointing with Fix-A-Tile (Choksey / Sika / Pedelite / Rouf) /white cement slurry mixed with approved pigment to match shade of tiles complete at all levels as specified and directed. (Coloured pigment should be in conformity with colour of tiles and as approved and directed by the Department). (Walls means both interior and exterior walls).	Sq.M.	23.00		

	c)	Delux range Somany/ Orient/Nitco/Quitone Make				
	i)	Of size 300mmx450mm and above				
9		Providing Antiskid Tiles of approved quality size, shape not less than 8mm on floor, skirting over a cement mortar bed 15mm thick of 1:3 (1 cement: 3 coarse sand) approved make fix with Fix-A-Tile (Choksey/Sika/Pedelite/Rouf)/ white cement complete at all level as specified and directed.	Sq.M.	21.60		
		(A) CERAMIC				
		i)Normal range (Sizes 300 mm x 300mm and above)				
		(a) Orient made: Galaxy Brown, Galaxy creama, Galaxy Pink, Galaxy Green, Pulsar Beige, Pulsar Blue, Pulsar Dove, Pulsar Pink, Burj Brown, Burj Green, Burj Slate				
10		10 mm thick Cement plaster in single coat on fair side of brick/concrete walls for interior plastering up to 1st floor level including arises or rounded angles not exceeding 80mm girth and finished even and smooth including curing complete as directed.				
		(a). In cement mortar 1:4				
			Sq.M.	701.00		
11		15 mm thick Cement plaster in single coat on rough side of single or half brick wall for interior plastering up to 1st floor level including arises, internal rounded angles, not exceeding 80mm girth and finished even and smooth including curing complete as directed.				
		A) On rough side				
		(b). In cement mortar 1:4				
			Sq.M.	522.20		

12		Extra over item no 6.2.1 to 6.2.3 for plastering on ceiling and soffits of stairs up to 1st floor level (instead of plastering on walls) including curing complete as directed.				
			Sq.M.	39.25		
13		GYPBOARD CEILING				
		Supplying, fitting, fixing and painting where necessary (one coat primer and two coats of paint) M/F Suspended Ceiling which includes G.I. perimeter channels of size 0.55mm thick (having one flange of 20mm and another flange of 30mm and a web of 27mm) along with perimeter of ceiling, screw fixed to brick wall/ partition with the help of nylon sleeves and screws, at 610mm c/c. Then suspending G.I. intermediate channels of size 45mm (0.9mm thick with two equal flanges of 15mm each) from the soffit at 1220mm c/c with ceiling angle of width 25mmx10mmx0.55mm thick fixed to soffit with G.I.cleat and steel expansion fasteners. Ceiling section of 0.55mm thickness having knurled				
		web of 51.5mm and two equal flanges of 26mm each with lips of 10.5mm are then fixed to the intermediate channel with the help of connecting clip and in direction perpendicular to the intermediate channel at 457mm c/c, 9.5mm/ 12.5mm tapered				
		edge Gypboard (conforming to IS:2095-1982) is then screw fixed to ceiling section with 25mm long drywall screws at 230mm c/c. Screw fixing is done mechanically either with screw driver or drilling machine with suitable attachment. Finally, the boards are to be jointed and finished so as to have a flush look which includes filling and finishing the tapered and square edges of the boards with jointing compound, joint paper tape and two coats of drywall topcoat suitable for Gypboard complete at all levels as specified and directed. (For light fittings, providing opening for doors, window, ventilators etc, cut out made with frame of perimeter channel supported suitably to be measured and paid separately where necessary).	Sq.M.	378.00		
		(ii) 12.5mm thick				

		ROOFING											
14		Providing Pre Painted Galvanized Iron Sheet Roofing (PPGI) at all levels including fitting and fixing with self drilling, self tapping screws complete. (Roof trusses, purlins etc. to be measured and paid separately.) TATA Blue scope/ Dyna roof / Durakolor /Wonder Roof or equivalent as directed by the Departement											
		(IV) 0.50 mm thick						Sq.M.	453.60				
15		Providing Bare Galvalume Sheet roofing accessories (Ridges / Valley / Gutter /Flashing) at all levels including fitting and fixing self drilling, self tapping screws complete. TATA Blue scope/ Dyna roof / Durakolor /Wonder Roof or equivalent as directed by the Departement											
		(iv) 0.50 mm thick						R.M.	103.00				
		d) With block board (both side commercial 19mm/20mm thick)											
16		Providing and fixing flush door shutters solid core construction with frame of 1st class hard wood with cross band and face veneered ply wood face panels conforming to relevent I.S code including oxidised iron butt hinges (100mm x 75mm x 3.5mm) 6 nos with necessary wood screws.						Sq.M.	32.00				
		b) Non decorative type and block board core.											
		(ii) 35 mm thick .											
17		Providing, fitting and fixing M.S. grill of required pattern for windows/ clerestory windows/ openingwith M.S. flats at required spacing in frame all round, squre or round M.S. bars with round headed bolts and nuts or screws.						Kg.	631.00				
		I. Plain grill											
		(c). Fixed to Brickwork /P.C.C /R.C.C.											

		ALUMINIUM DOORS, WINDOWS AND OTHER WORKS					
		WINDOWS AND VENTILATORS					
18		Providing, fitting and fixing anodised aluminium windows and ventilators of standard sections of approved brand without horizontal glazing bars joints mitred and welded (manufactured to relevant IS specifications) fitted with 6mm x 3.15mm lugs 100mm long embedded in CC blocks 150mm x 100mm x 100mm in 1:3:6 mix including providing and fixing handles, frictions stays, joining cleat, bolting device, locking arrangement, spring catch as required complete as specified and directed for all levels. (Cement concrete to be measured and paid separately).					
		a)Side hung and Top hung windows and ventilators					
		ii)5mm frosted glass			Sq.M.	3.00	
		iv) 5 mm clear glass			Sq.M.	6.30	
19		Providing, fitting and fixing anodised aluminium sliding windows and ventilators of standard sections of approved brand without horizontal glazing bars, joints mitred and welded (manufactured to relevant IS specifications) and providing and fixing handles, angle cleat, rubber gasket, roller, bolting device, locking arrangements, screws etc as required complete as specified and directed for all levels.					
		(a)2 Track sliding window					
		(iv) 5 mm clear glass			Sq.M.	5.70	
		(b)3 Track sliding window					
		(iv) 5 mm clear glass			Sq.M.	17.00	

		CEMENT PAINT & PRIMER				
20		a) Applying one coat of cement primer of approved brand and manufacture on new wall surface after thoroughly brooming the surfaces free from mortar droppings and other foreign matter and including preparing the surface even and sand papered smooth.	Sq.M.	1223.20		
		PLASTER OF PARIS & WALL PUTTY				
21		Providing two coats of Birla White Wall Care Putty (Water Resistant White Cement based putty for concrete/ mortar walls and ceiling both internal and external) after removing all loosely adhering material from the wall surface with the help of emery stone, putty blade or wire brush and moistening the wall with sufficient quantity of clean water as specified and directed by the department. (Total thickness of two coats is maximum 1.5mm)	Sq.M.	1223.20		
		(i) Thickness = 1.5 mm thick				
		WALL PAINTING				
22		Wall painting (two coats) with acrylic emulsion paint approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) on new surface to give an even shade after thoroughly brushing the surfaces free from mortar droppings and other foreign matter and sand papered smooth.	Sq.M.	919.20		
		(a).Acrylic Emulsion Paint approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac)				
23		Finishing old / new wall with water proofing weather coat smooth anti-fungal exterior painting of approved make of Berger paint of required shade after cleaning and clearing the surface etc. including scaffolding complete as directed at all levels (two coats)	Sq.M.	304.00		

		PAINTING ON WOOD AND WOOD BASED SURFACE				
24		Applying priming coat over new wood and wood based surfaces over 100mm in girth/width after and including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter, sand papering and knotting.				
		(a). With ready mixed paint, Wood primer (pink)	Sq.M.	108.00		
25		Painting two coats (excluding priming coat) on new wood and wood based surface with enamel paint of approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) to give an even shade including cleaning the surfaces of all dirt, dust and other foreign matter sand papering and stopping.				
		(i).Surfaces over 100mm in width or girth.				
		a). General purpose (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac).	Sq.M.	108.00		
		PAINTING ON STEEL AND OTHER METAL SURFACE				
26		Applying primary coat over new steel and other metal surface upto 100m in width or girth after preparing the surface by thoroughly cleaning oil,grease, dirt and other foreign matter and scoured with wire brushes, fine steels, wood scrapers and sand paper.	Sq.M.	110.00		
		a). With ready mixed "red-lead/ red oxide" primer.				
27		Painting two coats (excluding priming coat) on new steel and other metal surface with enamel paint of approved brand and manufacture(Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) to give an even shade including cleaning the surface of all dirt, dust and other foreign matter.				
		(i).Surfaces over 100mm in width or girth.				
		a). General purpose (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac).	Sq.M.	110.00		

		ALUMINIUM FITTINGS				
28		Supplying, fitting, fixing anodised aluminium fittings of approved make, reasonably smooth, free from sharp edges and corners, flaws and other defects and with counter sunk holes for screws including necessary aluminium screws etc. complete.(anodised to bright natural matt & satin finished)				
		a) Sliding door bolts	Each	16		
		i) 300mm x 16mm				
		b) Tower bolts				
		ii) 250mm x 12mm	Each	32		
		c) Door handles				
		iii) 150mm	Each	32		
		l) Hydraulic door closure	Each	2		
		m) Mortice lock vertical type	Each	2		
		o) Cupboard locks				
		ii) 50mm	Each	4		
		r) Curtain rod				
		ii) 25mm x 2mm	RM	6.00		
		s) Wardrobe knob	Each	16		
		t) Door stopper with rubber stopper	Each	12		
29		Supplying, fitting and fixing in position reinforcement bars 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. (No extra measurement for lap, hook, chair, anchor etc. will be entertained in the measurement as they are included in the rate)				
		a) From Primary Producer: TATA/SAIL/Esser Steel/ Jindal steel/Shyam steel/RINL				
		(ii)Super Ductile (SD) TMT reinforcement bars				
			Qtl.	76.00		

30		Providing fitting, hoisting and fixing of roof trusses including purlins fabricated using MS circular hollow section conforming to relevant I.S. code, as per approved design and drawings including providing M.S. cleats, base plates, bolts and nuts and one coat of red oxide Zinc Chromate primer and two coats of approved enamel paints complete including fitting necessary cleats etc. for fixing ceiling joists as per design and drawing as directed.				
		a) TATA make Circular Hollow section- CHS of Grade YST-310 conforming to I.S. Specification : 1161-1998	Qtl.	58.00		
		DOOR FRAMES				
31		Supplying, fitting and fixing door frame made of M.S. equal angle of size 40mmx40mmx5mm fabricated, welded, mitred and joined as per relevant I.S. Codes including fitting 8 nos. of M.S. hold fast, providing closing/ holding device for 2 nos. tower bolts of door for each side and 1 no. for fitting and fixing Aldrop (for single leaf) to the frame for fixing the door to the frame, applying primer to all steel surfaces fixing the frame to the wall/ R.C.C. members by embedding the hold fast securely in C.C. block of M-15 grade complete at all levels as specified and directed. (Door hinges to be paid as per relevant item of the schedule of rates).	R.M.	83.00		
		DISMANTLING WORKS				
32		Demolishing RCC work including stacking of steel bars and disposal of unserviceable material as directed for all levels	Cum	3.00		
33		Demolishing brickwork including stacking of serviceable materials and disposal of unserviceable materials as directed for all levels	Cum	13.50		
34		Dismantling steel work in built up sections in joists, angles, channels, tees, flats etc. including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking the materials as directed by the Department for all levels	Kg.	787.00		

35		Dismantling all types of corrugated/ trapezoidal sheet roofing including ridges, hips, valleys and gutters etc. and stacking the materials as directed by the department for all levels	Sq.M.	36.00		
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36		Providing fitting and fixing vitreous water closet squatting pan (Indian type W.C Orissa pattern) with all fittings and fixtures complete including cutting and making good to the walls and floors wherever required. (Flushing Cistern to be paid separately)					
		Indian type W.C Orissa pattern of size 580 x 440 mm	Each	2			
		(a) White					
		ii) Hindware make					
37							
37.00		Providing fitting and fixing vitreous china pedestal type water closet (European type W.C pan 400mm high) with seat and lead ,CP brass hinges and rubber buffers , CI/MS brackets , 40 mm dia flush band with fittings including painting of fittings and brackets, required. (Flushing Cistern to be paid separately)					
		B) Hindware make					
		(a) White	Each	2			
		iii)Water closet POPULAR "P (Cat.No.20044) (inclusive of seat cover)					
38		Supplying, fitting and fixing PVC flushing cistern with all internal fittings with CI brackets including fitting and fixing standard size CP flush pipe, union clamps etc. complete as directed and specified (pipes will be measured separately)					
		ii) Hindware make					
		a) White	Each	4			
		(i) Sleek+ PVC cistern					
39		Providing vitreous China wash basin with CI/MS brackets, C.P brass chain with plug,PVC waste pipe including painting of fittings and brackets, cutting and making good the walls wherever required. (Pillar cock, stop cocks, waste coupling are to be paid separately)					
		Basin (without pedestal)					
		(B) Hindware Make					
		(a) White					
		(ii) Standard 630 x 450 (Cat. No.10001)	Each	6			
40		Providing fitting and fixing Decorative Mirror complete as directed and specified.					
		(A) Parryware Make					
		(b) Size 600mm x 450mm	Each	6			

		SHELF														
41		Providing fitting and fixing Glass Shelf complete as directed and specified.														
		Glass shelf with C.P. guard rail														
		(ii) Sona make (Cat. No.TR-0701)														
		(b) 525mm											Each	6		
42		Providing, fitting and fixing recessed soap tray / soap dish complete as directed and specified.														
		(a) Parryware Make														
		(ii) Wall Soap tray (Cat. No.C9951)											Each	8		
43		Providing, fitting and fixing CP towel rail complete as directed and specified.														
		(a) Jaquar make														
		(ii) Continental 600mm (Cat.No. ACN-1111N)											Each	6		
44		Providing, fitting and fixing Chrome Plated waste coupling complete as directed and specified.														
		(b) Sona											Each	6		
		(i) Rupa 32mm (HT/ FT) (Cat.No.WS-0801)														
45		Providing, fitting and fixing Chrome Plated bottle trap complete as directed and specified.														
		(b) Sona make														
		(i) Bottle trap indian 32mm (Cat. No.BT-0751)											Each	6		
46		Supplying, fitting and fixing PVC pipes of 6 Kg/cm ² (Supreme/Prince) or other ISI approved including joining ,fitting and fixing wiyh clamps etc.as necessary complete at all levels including below G.L as directed and specified.														
		a) In exposed surfaces or in trenches.														
		(ii) 110mm dia.											R.M.	15.00		
		(iv) 75mm dia.											R.M.	15.00		
		b) Concealed by chiselling or breaking brick wall/C.C./R.C.C and making good to the damages.														
		(ii) 110mm dia.											R.M.	6.00		
		(iv) 75mm dia.											R.M.	12.00		

47	Supplying, fitting and fixing 87.5 degree PVC bend of (Supreme/Prince) or other ISI approved including joining ,fitting and fixing etc.as necessary complete at all levels including below G.L as directed and specified.						
	a) In exposed surfaces or in trenches.						
	(ii) 110mm dia.	Each	4				
	(iv) 75mm dia.	Each	4				
	(b) Concealed by chiselling or breaking brick wall/C.C/R.C.C. and making good to the damages.						
	(ii) 110mm dia.	Each	4				
	(iv) 75mm dia.	Each	4				
48	Supplying fitting and fixing 87.5 degree PVC bend with door of (Supreme/ Prince) or other ISI approved including joining, fitting and fixing etc.as necessary complete at all levels including below G.L. as directed and specified.						
	a) In exposed surfaces or in trenches.						
	(ii) 110mm dia.	Each	4				
	(iv) 75mm dia.	Each	4				
	(b) Concealed by chiselling or breaking brick wall/C.C/R.C.C. and making good to the damages.						
	(ii) 110mm dia.	Each	4				
	(iv) 75mm dia.	Each	4				
49	Supplying fitting and fixing 45degree PVC bend of (Supreme/Prince) or other ISI approved including joining , fitting and fixing etc. as necessary complete at all levels including below G.L. as directed and specified.						
	a) In exposed surfaces or in trenches.						
	(ii) 110mm dia.	Each	4				
	(iv) 75mm dia.	Each	4				
	(b) Concealed by chiselling or breaking brick wall/C.C/R.C.C. and making good to the damages.						
	(ii) 110mm dia.	Each	4				
	(iv) 75mm dia.	Each	4				

50	Supplying fitting and fixing PVC Plain single tee of (Supreme/ Prince) or other ISI approved including joining, fitting and fixing etc. as necessary complete at all levels including below G.L. as directed and specified.						
	a) In exposed surfaces or in trenches.						
	(ii) 110mm dia.	Each	4				
	(iv) 75mm dia.	Each	4				
	(b) Concealed by chiselling or breaking brick wall/C.C/R.C.C. and making good to the damages.						
	(ii) 110mm dia.	Each	4				
	(iv) 75mm dia.	Each	4				
51	Supplying fitting and fixing PVC single 'Y' of (Supreme/Prince) or other ISI approved including joining , fitting and fixing etc. as necessary complete at all levels including below G.L. as directed and specified.						
	a) In exposed surfaces or in trenches.						
	(ii) 110mm dia.	Each	4				
	(iv) 75mm dia.	Each	4				
	(b) Concealed by chiselling or breaking brick wall/C.C/R.C.C. and making good to the damages.						
	(ii) 110mm dia.	Each	4				
	(iv) 75mm dia.	R.M.	4				
52	Providing fitting and fixing 50mm dia. HCl cowl with cement caulking complete as directed and specified.	Each	4				
53	Providing fitting & fixing C.P.Grating to the floors complete as directed and specified.						
	(a) 110mm dia	Each	6				

54		Supplying fitting and fixing Ajoy Flowguard CPVC (Chlorinated Polyvinyl Chloride) pipes having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fitting including clamps at 1.00 m spacing including joining of pipes and fitting with one step CPVC solvent cement and testing of joints complete at all levels as directed and specified. (Note: Ball valve and union will be charged extra and does not comes under Accessories)				
		(i) In internal wall - exposed on wall				
		(d) 32 mm OD	R.M.	25.00		
		(e) 40 mm OD	R.M.	20.00		
		(f) 50mm PD	R.M.	10.00		
		(ii) Concealed by chiselling or breaking brick wall/C.C/R.C.C and making good to damages				
		(a) 15 mm OD	R.M.	45.00		
		(b) 20 mm OD	R.M.	20.00		
55		Supplying fitting and fixing C.P. bib cock 15mm dia of approved brand directed and specified. (G.I. & C.P pipes will be measured separately)				
	(I)	Essco make (Delux/Sumthing spl./Tropical)				
		(a) Bib cock short body	Each	6		
56		Supplying fitting and fixing stop-cock of approved brand of size as mentioned below and directed and specified (G.I. & C.P. pipes will be measured and paid separately)				
		I) Brass stop cock (heavy) of Sant make				
		(i) 15mm dia	Each	14		
		(ii) 20mm dia	Each	1		
57		Supplying and fitting fixing C.P. pillar cock of 15mm dia of approved brand as specified and directed.	Each	6		
	(I)	Agmeco (classic)				
		(a) Flat				
58		Supplying and fitting gun metal country pit valve (full way valve) I.S.I. Make as specified and directed.				
		c) 25 mm dia.	Each	6		

59		Supplying fitting and fixing gun metal check valve including necessary threads to pipes.				
		a) 50 mm dia. (Heavy duty)	Each	2		
60		Supplying and placing plastic cylindrical vertical cloused top (PCVC) tank of Sintex / Polycon / Patton make over the staggng with manhole cover with locking and cleaning arrangement including providing pads of size as required for inlet and outlet pipes	Each	2		
		2000 Lt capacity				
		(a) Sintex make				
61		Any other item from APWD (B) Vol-I&II 2013-14		LS- 10000		
				TOTAL	Rs.	