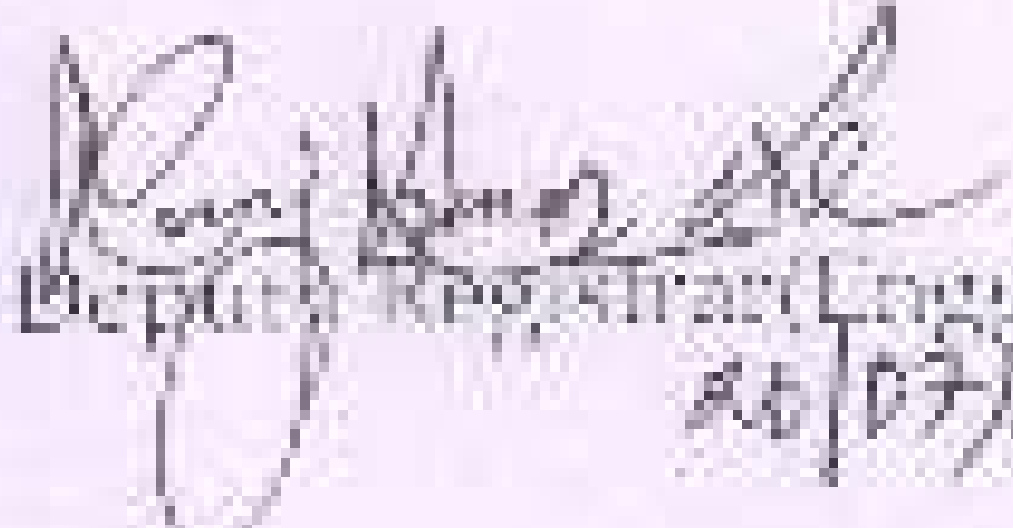


Assam University, Silchar  
Extension Notice

It is hereby notified for information of all concerned that the last date for both issue of tender paper and submission of bids against the tender notice no. AU/Engg/Maint/Civil/82/2016 dated 20<sup>th</sup> June 2016 for the work of "Annual Maintenance (Civil) Work, at Assam University, Silchar" is hereby extended up to 2 pm of 16<sup>th</sup> August 2016. Those who have submitted bids against said notice dated 20<sup>th</sup> June 2016 need not submit any further bid.

Tender papers will be available up to 12 noon of 16<sup>th</sup> August 2016 on payment of Rs. 1000/-. For details Engineering Section of the University during said period may be contacted.

  
Deputy Registrar (Engg)  
26/07/16

NO. AU/Engg/Maint/Civil/82/2016

Date: 25.07.2016

Copy to:

1. P.S. to V.C. for kind information of the Hon'ble Vice-Chancellor.
2. Finance Officer, AHS, for kind information.
3. Registrar, AUS, for kind information.
4. The Director Computer Centre, AUS, for information & with a request to upload the aforesaid notice in University website.
5. Notice Board.
6. File.

  
Section Officer (Engg)



# ASSAM UNIVERSITY: SILCHAR

## TENDER

**Name of Work: Annual Maintenance (Civil) Work, at Assam University, Silchar**

**Estimated Amount: Rs. 63, 52,685.00**

Certified that the tender document contains (51) 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: Annual Maintenance (Civil) Work, at Assam University, Silchar**

**Estimated Amount: Rs. 63, 52,685.00**

Last date and time of **submission**  
of tender paper **:- 16/08/2016(upto 2.00 PM)**

Date and time of **opening of Bid** **:-16/08/2016 (at 3.00 PM)**

**INSTRUCTIONS TO BE FOLLOWED:-**

- **EMD** to be sealed in envelope No.1
- **Technical Bid** is to be sealed in envelope No. 2 (1 – 20)
- **Price Bid** is to be sealed in envelope No.3 (21 – 50)
- **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.**



**ASSAM UNIVERSITY: SILCHAR**

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

**Name of Work: Annual Maintenance (Civil) Work, at Assam University, Silchar**

**Estimated Amount: Rs. 63, 52,685.00**

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**SECTION I – NOTICE INVITING TENDER**

**ASSAM UNIVERSITY, SILCHAR**

File No.AU/Engg/Maint/Civil/82/2016

Date: 27/07/2016

**NOTICE INVITING TENDER**

Sealed tenders valid for 180 days are invited from Registered Class-1 Civil Contractors having valid building registration of CPWD/MES/State PWD/PSU/Central Autonomous Bodies of appropriate category for the following works at Assam University, Silchar.

<b>Tender No.</b>	<b>Name of work</b>	<b>Estimated Cost</b>	<b>Completion time</b>	<b>Earnest Money</b>	<b>Cost of tender document</b>	<b>Last date and time for submission of tender</b>	<b>Due date and time for opening of Bid</b>
AU/Engg/Maint/Civil/82/2016	Annual Maintenance (Civil) Work, at Assam University, Silchar	Rs.63,52,685.00	12 (twelve) months	Rs. 1,27,054.00	Rs. 1,000/-	16/08/2016 upto 2.00 PM	Opening of Bid: 16/08/2016 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](http://www.aus.ac.in) for which non refundable tender fees of Rs 1000/- 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 **28/07/2016** to **16/08/2016** 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/-  
Registrar**



### **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. 1, 27,054.00 (Rupees One lakh twenty seven thousand fifty four) 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 180 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 executing the work will be 12 (twelve) months from the date of 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 by recording clear, logical reasons.
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 competent authority on behalf of the University reserves to himself the right of accepting the whole or any part of the tender by recording clear, logical reasons and the tenderer shall be bound to perform the same at the rate quoted.
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.
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. **Also the contractor should have experience of executing 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 of NIT. 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. During Opening of tender only representative duly authorized by the agency / contractor will be allowed to be present.



18. 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.
19. Authenticity of signatory (contractor) of tender document will be verified before finalization of tender document.
20. 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.
21. 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.
22. 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.
23. EMD of unsuccessful bidder shall be released within 02 (two) months after issue of work order to the successful bidders.
24. 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.
25. **EPF registration is mandatory which is to be submitted during submission of tender document.**
26. **The Contractor/Agency must ensure to set up a permanent site Office including residential facilities in the AUS Campus with sufficient manpower & materials to cater the urgent needs of the University & more over the fields workers like plumber/carpenters/meson etc. must be present to rectify/solve any technical problems on war footing as & when required by the different departments, hostels & occupants of the University.** If AUS has to provide accommodation then necessary rent as per University rule will be deducted from the R/A bill of the contractor/agency. In both the cases, electricity bill has to be borne by the contractor/agency.
27. **A full time Engineer (Civil), diploma with minimum five years experience in the required field or B.E. must be engaged by the contractor** (Whose certificate duly attested, one copy photo & an undertaking by the Engineer in original is to be enclosed) 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.
28. Strict technical specifications are to be followed & the quality of materials & fittings must be ensured. AU will depute technical personnel for the AMC Civil Works & work order/job card will be issued time to time with definite time frame as per needs of the University within the scope of work. The satisfaction of the user department (wherever applicable) shall has to be given due consideration by the contractor within the scope of work.
29. The Contractor/Agency has to obtain a Land line connection from BSNL for the site office so that all the complains /requisitions can be lodged over phone by the staff of the contractor/bidder.
30. For execution of the work, the Contractor has to follow the procedure laid down in CPWD Works Manual and CPWD Specification.





31. 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.
32. The successful tenderer, shall deposit an amount equal to 5% of the tendered and accepted value of the work as performance guarantee in any form like Government securities/ FDR of a Scheduled Bank/ irrecoverable bank guarantee bond of any scheduled bank or the State Bank of India in the prescribed form of CPWD Manual. The performance guarantee shall be refunded to the Contractor soon after the completion of the work.
33. **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/-  
Registrar**



**SECTION – II : PROFORMA FOR SUBMISSION OF TENDER**

To,

**Registrar  
Assam University, Silchar – 788 011**

**Subject: Annual Maintenance (Civil) Work, at Assam University, Silchar**

Sir,

Having carefully examined and read the Notice Inviting Tender, Tender documents and all other documents attached regarding Tender No. **AU-Engg/Maint/Civil/82/2016**, dated **13/06/2016**, 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. ....** in the form .....from.....(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 **180 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 **180 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 Tender’s 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 in any effect the work or the cost thereof. The tenderer shall be deemed to have himself independently obtained all necessary information for the purpose of preparing 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 <b>16/08/2016 upto 2.00 PM</b>
Date and Place of opening of Bid	: Engineering Section, Assam University, Silchar, <b>Opening of Bid :16/08/2016 at 3pm</b>



Validity of tender

: Tender shall remain valid for acceptance for a period of not less than **180 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. EMD of disqualified bidders will be released immediately.
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 Registrar, 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 Deputy Registrar (Engg), 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 without which payment will not be released.**

## 6. SECURITY DEPOSIT

10% Security Deposit will be retained by the University from the bill value, which shall be released 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 the Security Deposit will be forfeited.

## 7. RELEASE OF SECURITY DEPOSIT

Release of the security deposit will be done after 01 (one) year 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 BID**

**Name of Work:            Annual        Maintenance  
(Civil) Work, at Assam  
University, Silchar**

**Estimated Amount:    Rs. 63, 52,685.00**



**Name of Work: Annual Maintenance (Civil) Work, AUS**

Sl No.	Description of Item	Qty	Rate (in Rs)	Amount (in Rs)
01	Earthwork in excavation for foundation trenches of walls, retaining walls, footings of column, steps, septic tank etc. including refilling (return filling) the quantity as necessary after completion of work, breaking clods in return filling, dressing, watering and ramming etc. and removal of surplus earth with all lead and lifts as directed and specified in the following classification of soils including bailing out water where necessary as directed and specified. <b>Up to a depth of 2.00m below the existing ground level.</b> In ordinary soil.	500.00 Cum		
02	Earth/ sand filling in plinth in layers not more than 150mm thick including necessary carriage, watering, ramming etc. complete as directed and specified including payment of land compensation, forest royalty, sales tax and other duties and taxes as may be necessary. With earth or silt or sand obtained by head load with lead upto 90m and lift upto 2m	500.25 Cum		
03	Plain cement concrete works with coarse aggregate of sizes 13mm to 32mm in foundation bed for footing steps, walls, brick works etc. as directed and specified including dewatering if necessary, and curing complete (shuttering where necessary shall be measured and paid separately). a)In prop 1cement: 3 sand :6 coarse aggregate by volume.	60.00 Cum		
	b)In prop 1cement: 4 sand :8 coarse aggregate by volume	20.00 Cum		
04	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)	50.00 Cum		



	<p><b>Using Mixer Machine</b>  <b>In substructure up to plinth level</b>  Foundation, footing, columns with base tie and plinth beam, pile cap, base slab, retaining walls, walls of septic tank, inspection pit and the like and other works not less than 100mm thick up to plinth level.  <b>Without using admixture, plasticiser</b>  a)M15 grade concrete or Prop. 1:2:4</p>			
	b)M20 grade concrete or Prop. 1:1.5:3	30.00 Cum		
05	<p><b>In super structure from plinth level up to 1st floor level.</b>  <b>i)Walls</b> (thickness not less than 100mm) including attached pillasters, buttresses, plinth and string course etc.  <b>Without using admixture, plasticiser</b>  a)M15 grade concrete or Prop. 1:2:4</p>	20.00 Cum		
06	<p><b>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 )</b> including preparing the top surface and finishing of nosing.  <b>Without using admixture, plasticiser</b>  a)M15 grade concrete or Prop. 1:2:4</p>	30.00 Cum		
	b)M20 grade concrete or Prop. 1:1.5:3	20.00 Cum		
07	<p><b>Shuttering works.</b>  Foundation, footings, bases of columns, pile cap, raft and mass concrete works etc.  Using 25mm thick plank</p>	100.00 Sqm		
08	<p>3Sides of tie beams, grade beams etc. at or below ground level.  Using 25mm thick plank</p>	80.00 Sqm		
09	<p>Columns, Pillars, Posts &amp; Strut  a)Square, Rectangular, polygonal in plan or any shape like Tee/L etc. having plane vertical face  b)Using 25mm thick plank</p>	100.00 Sqm		
10	<p>Sides and Soffits of Beams, beam haunchings, cantilever girders, bressumers, lintels and horizontal ties.  a)For depth not exceeding 1.0M.  ii)Using 25mm thick plank</p>	100.00 Sqm		





11	Flat Surfaces such as soffits of suspended floors, roofs, landings, cantelever slabs, chajjas, balconies and the like. Floors etc. upto 200mm in thickness. Using 25mm thick plank	100.00 Sqm		
12	Vertical surface such as walls (any thickness), parapet walls, partitions, walls of septic tank, inspection pit and the like including attached pilasters, buttresses, plinth and string courses and the like. ii)Using 25mm thick plank	50.00 Sqm		
13	Providing <b>soling</b> in foundation and under floor with stone/ best quality picked jhama brick, sand packed and laid to level and in panel after preparing the subgrade as directed including all labour and materials and if necessary dewatering, complete. a)Brick on flat soling.	200.00 Sqm		
14	Brick work in cement mortar with 1st class brick including racking out joints and curing complete as directed. <b>(I)In Sub-structure</b> upto plinth level including dewatering if necessary b)In proportion 1:4.	40.00 Cum		
15	<b>(II)In superstructure</b> above plinth level up to 1st floor level. b)In proportion 1:4.(1 cement:4 sand)	30.00 Cum		
16	<b>1st class brick nogged wall</b> 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 embeded in cement mortar and will be measured and paid separately) <b>A)112mm</b> thick brick wall a)In cement mortar in proportion 1:4. (1 cement:4 sand)	100.00 Sqm		
17	<b>(B) 75 mm</b> thick wall a)In cement mortar in proportion 1:3. (1 cement:3 sand)	50.00 Sqm		
18	Cement concrete works in topping 1:1:2 (1cement :1sand :2 graded aggregates on R.C.C floor, tread and rise of steps finished with a floating coat of neat cement using cement slurry for bond @ 2.75 kg.of cement per sq. m. of floor to be laid in panels including curing complete as directed. 15 mm thick	100.00 Sqm		



19	25 mm thick cement concrete topping 1:2:4 (1cement : 2 coarse sand : 4 coarse aggregate of 12 mm nominal size) finished with a floating coat of neat cement finish to be laid in panels including curing complete as directed.	100.00 Sqm		
20	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.	50.00 Sqm		
21	65 mm thick cement concrete floor consisting of 50 mm under layer of cement concrete in prop. 1:3:6 (1cement : 3 coarse sand : 6 coarse aggregate of 25mm 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) laid in panels and finished with a floating coat of neat cement finish (using cement slurry for bond @ 2.75 kg. per square metre of floor area) including curing etc. complete as directed.	30.00 Sqm		
22	<p>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).</p> <p><b>Normal range</b>  <b>Somany/ Orient/Nitco /Asian Make</b>  <b>Of size 300mmx300mm and above</b></p>	100.00 Sqm		



23	<p>Providing polished <b>ceramic wall tiles</b> 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. (Cement plastering to be measured and paid separately). (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).  <b>Normal range</b>  <b>Somany/ Orient/Nitco/Asian Make</b>  <b>Of size 200mmx300mm and above</b></p>	50.00 Sqm		
24	<p>Providing VITRIFIED floor tiles of approved quality of specified size, shape and thickness not less than 18mm on floors, skirtings, risers and treads of steps over 15 mm thick base of cement mortar 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, mixed with approved pigment to match the shade of the 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)  Normal range  Somany/ Orient/Nitco /Varmora/VITA/ Marbito/ Make  Of size 600mmx600mm and above</p>	50.00 Sqm		
25	<p>Kota-stone slab flooring of 18 mm thick over 20mm thick base of cement plaster 1:6 (1 cement : 6 coarse sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete.  550mm x 550mm</p>	30.00 Sqm		
26	<p>18 mm thick Marble stone slab flooring of sizes 1200x1200 including treads and risers of steps, skirting, laid over 20 mm thick</p>	20.00 Sqm		



	base of cement plaster 1:6 (1 cement : 6 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing complete with marble slab of specified quality and shade at all levels. Dungri slab			
27	<b>15 mm thick Cement plaster in single coat</b> on 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. <i>A)On rough side.</i> b)In cement mortar 1:4	200.00 Sqm		
28	<i>B)On fair side</i> b)In cement mortar 1:4	200.00 Sqm		
29	<b>20 mm thick Cement plaster</b> in two coats on single or half brick walls for interior plastering up to 1st floor level including arises, internal rounded angles, chamfers and / or rounded angles not exceeding 80mm in girth and finished even and smooth including curing complete as directed. <i>On rough side (backing coat 15 mm and finishing coat 5mm thick)</i> In cement mortar 1:4	100.00 Sqm		
30	Providing corrugated galvenised Iron sheet roofing of TATA SHAKTEE / SAIL including fitting and fixing necessary galvenised J or L hooks, bolts and nuts 8 mm dia with bitumen washer 25 mm dia x 3 mm thick and 1.6 mm thick limpet washer complete excluding cost of roof truss, purlin etc. (Roof trusses and purlin etc.to be measured and paid separately). b)0.50 mm thick	300.00 Sqm		
31	Providing galvd iron ridging of TATA SHAKTEE / SAIL including supplying and fixing necessary galvd screws/washers etc. complete as directed. b)0.50 mm thick i)150 mm lapping	100.00 Rm		
32	Labour for fitting and fixing Galvd corrugated iron roofing including supplying and fixing with new galvd screw, J hook, bolts nuts, washer etc. complete as directed.	200.00 Sqm		



33	Labour for taking out and refitting Galvd ridging including supplying and fixing necessary galvd screw, bolts and nuts complete as directed.	100.00 Rm		
34	Providing coloured corrugated transparent fibre sheet roofing including fitting and fixing necessary galvanised J or L hooks, bolts and nuts of 8 mm dia. with bitumen washer 25 mm dia x 3 mm thick and 1.6 mm thick limpet washer complete excluding cost of roof truss, purlins etc. (Roof trusses, purlins etc. to be measured and paid separately) b)1.20 mm thick	10.00 Sqm		
35	Providing coloured transparent fibre sheet ridging including supplying and fixing necessary galvanised screws / washer etc. complete as specified and directed. b)1.20 mm thick - 300 mm lapping	5.00 Rm		
36	Grading roof for water proofing treatment with a)Cement concrete 1:2:4 (cement: 2 coarse sand: 4 graded stone agg. 20 mm nominal size)	50.00 Cum		
37	Providing dressed wood work in post, walls,battens, post plate bressumers etc. includingsupplying and fixing with spikes, nails,bolt and nuts of 12mm dia(M.S) and required length etc.complete with kiricide oiling two coats to faces in contact with C.C or masonry (M.S flats, angle cleats and bolt and nuts required for flats,angle cleats wherever use shall be measured and paid separately) b)WithHollock timber.	2.00 Cum		
38	Providing wood work in frame (chowkaths) of doors, windows, clerestory windows and other similar works wrought, framed and fixed in position in contact with C.C or brick masonry wall including supplying, fitting and fixing with M.S. hold fast (40mmx3mmx250mm) as per design embeded in cement concrete block in proportion 1:2:4 and with two coats of kiricide oiling to the timber faces in contact with C.C and masonry as directed and specified. b)With 1st class timber (Bonsum/ Sundi)	3.00 Cum		



39	<p>Providing undressed wood work in roof truss, rafter, purlin, tie and the like including hoisting and fixing in position with necessary spikes, nails including M.S straps with bolt and nuts etc.complete with kiricide oiling two coats to all timber members and two coats of anticorrosive paint to M.S straps (M.S flats, angle cleats, and bolt and nuts required for flat and angle cleats wherever used shall be measured and paid separately) With 2nd class treated timber`</p>	2.50 Cum		
40	<p>Providing wood work in frame of false ceiling partitions etc.sawn, wrought, framed hoisted and fixed in positon with spikes, nails, M.S flat,angle/ cleats with bolt and nuts complete including kiricide oiling two coats to unexposed surfaces of the timber (M.S flats, angle cleats, and bolt and nuts required for flat, angle cleats wherever necessary shall be measured and paid separately) b)With Gamari/ Bonsum/ Sundi</p>	2.00 Cum		
41	<p>Providing barge board of size 200mm x 20mm with 1st class local Hollock/ Bonsum timber including fitting and fixing with necessary wood screws etc. complete.</p>	30.00 Rm		
42	<p>Providing and fixing 12 mm thick and 150mm wide pelmet with 25 mm dia wooden curtain rod and bracket including fixing with 15mmx3mm M.S flat 100mm long plugs complete. c)First class local wood(Hollock/ Bonsum)</p>	80.00 Rm		
43	<p>Providing, fitting and fixing full panelled doors/ windows including oxidised M.S butt hinges (100mm x75 mm x3.55mm) with necessary screws (other fittings to be measured and paid separately ) <b>B)With 1st class local wood</b> (Gamari/Hollock/Bonsum ) i)40 mm thick.</p>	20.00 Sqm		
44	<p>Providing, fitting and fixing factory made wooden panelled doors with panel inserts of 75mm to 50mm width and 12mm to 20mm thickness,joined together with continous tongue and groove joints glued together with Movicol or other approved adhesive leaving a vertical groove of 7.5mm to 15mm between the inserts,the</p>	20.00 Sqm		



	edges of panel inserts being feather tongue into styles and rails including providing three pairs of oxidised M.S butt hinges (100mm x75 mm x3.55mm) and furnishing with moulded timber beading of size 25mmx15mm around the panels complete as per drawing (moulded timber bead and all fittings except hinges to be paid separately) <b>b)With 1st class local wood</b> (Hollock / Gamari/Sundi/ Bonsum) 35 mm thick with panel inserts of 20mm thickness.			
45	Providing fitting and fixing 1st class local wood battened, framed and braced door and window shutters including oxidised iron butt hinges (100mm x58 mm x1.90 mm) 6 nos with necessary screws. a)Using Bonsum/Holok wood	20.00 Sqm		
46	Providing fitting and fixing 1st class local wood battened and framed door and window shutters including oxidised iron butt hinges (100mmx 58mmx 1.90mm) 6 nos with necessary screws. a)Using Bonsum/Holok wood	20.00 Sqm		
47	Providing and fixing 25mm thick wooden shutters for cup board including black enamelled M.S butt hinges (75mmx 40mmx1.12mm) 6 nos. with necessary wood screws (fully panelled) <b>i)Using wooden plank</b> b)WithGamari/ Sundi/ Bonsum wood.	20.00 Sqm		
48	<b>ii)Using Particle/Block bord</b> d)With block board (both side commercial 19mm/20mm thick)	15.00 Sqm		
49	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. <b>b)Non decorative</b> type and block board core. ii)35 mm thick .	20.00 Sqm		
50	<b>c) One face decorative and other face nondecorative</b> type and block board core. (ii) 35 mm thick .	10.00 Sqm		



51	Providing, fitting and fixing Wire gauge shutters using galvd. M.S. wire of I.S designation 85G with wire of dia 0.56mm for doors, windows and clerestory windows including oxidised M.S butt hinges (100mm x 58mm x1.90mm) <b>B)WithGamari/ Bonsum/ Sundi wood.</b> ii)35 mm thick .	30.00 Sqm		
52	Providing, fitting and fixing <b>M.S. grill of required pattern</b> 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. <b>I.Plain grill</b> a)Fixed to wooden frames	100.00 Kg		
	b)Fixed to steel frames	50.00 Kg		
	c)Fixed to Brickwork/P.C.C/R.C.C.	2,000.00 Kg		
53	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. <b>a)2 Track sliding window</b> v)5 mm coloured glass	10.00 Sqm		
	<b>b)3 Track sliding window</b> iv)5 mm clear glass	15.00 Sqm		
54	Providing, fitting and fixing anodised aluminium fixed windows and ventilators of standard sections of approved brand, joints mitred welded (manufactured to relevant I.S. specification) fitted with glass panes of required thickness and 12mm prelaminated boards and providing and fixing handles, angle cleat, rubber gasket,roller bolting device, screws as required complete as specified and directed for all levels. a)In Normal anodised Aluminium section	10.00 Sqm		





	ii)With 5mm thick glass panes			
55	Providing, fitting and fixing anodised aluminium partition walls of standard sections of approved brand, joints mitred and welded (manufactured to relevant I.S. specification) and providing and fitting angle cleat, rubber gasket, bolting device screws etc. at all levels. i)Partly 6mm thick glass panes and 12mm prelaminated ply board	30.00 Sqm		
56	a)White washing with lime on wall surfaces (two coats) to give an even shade including thoroughly brooming the surface to remove all dirt, dust, mortar drops and other foreign matter.	200.00 Sqm		
57	a)Colour washing with lime on wall surface (two coats) over and including a priming coat of white washing to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and other foreign matter.	100.00 Sqm		
58	a)Removing dry or oil bound distemper by washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches complete.	500.00 Sqm		
59	c)Applying one coat of distemper primer of approved brand and manufacture on wall surface after thoroughly brushing the surfaces free from mortar droppings and other foreign matter and including preparing the surface even and sand papered smooth.	250.00 Sqm		
60	g)Distemping with dry distemper of approved brand and manufacture (two coats) and of required shade on new wall surface to give an even shade, after thoroughly brushing the surface free from mortar droppings and other foreign matter and including preparing surface even and sand papered smooth.	100.00 Sqm		
61	h)Distemping with dry distemper of approved brand and manufacture (one coat) and of required shade on old wall surface to give an even shade, after thoroughly brushing the surface clean of all grease, dirt, loose pieces of scales including preparing surface even and sand papered smooth.	300.00 Sqm		
62	i)Extra over item no (f), (g) and (h) above for distemping every subsequent coat of distemping with dry distemper of	300.00 Sqm		



	approved brand and manufacture.			
63	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.	100.00 Sqm		
64	b)Finishing wall with water proofing cement paint of approved brand and manufacture and of required shade on new wall surface (two coats) to give an even shade after thoroughly brooming the surfaces to remove all dirt and remains of loose powdered materials.	100.00 Sqm		
65	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. i)Acrylic Emulsion Paint approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac)	300.00 Sqm		
66	Extra over item no 13.4.1 above for every subsequent coat of wall painting with acrylic emulsion paint of approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac). i)Acrylic Emulsion Paint approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac)	100.00 Sqm		
67	Wall painting (two coats) with Plastic emulsion paint of 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. a)Plastic Emulsion Paint of approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac)	100.00 Sqm		
68	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	250.00 Sqm		



	papering and knotting. a)With ready mixed paint , Wood primer (pink)			
69	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. <b>i)Surfaces over 100mm in width or girth.</b> General purpose (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac).	300.00 Sqm		
	<b>ii)Surfaces up to 100mm in width or girth.</b> General purpose (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac).	200.00 Sqm		
70	Synthetic enamel paint, aluminium paint / bituminous paint on steel and other metal surfaces. Removing old paint from steel and other metal surface and making the surface even. a)With hand scraping	200.00 Sqm		
71	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. <b>i)Surfaces over 100mm in width or girth.</b> a)General purpose (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac).	200.00 Sqm		
	<b>ii)Surfaces up to 100mm in width or girth.</b> High gloss (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac).	200.00 Rm		
72	Painting one coats on old G.C.I sheets with ready mixed anticorrosive paint of approved brand and shade suitable for painting over G.C.I sheets to give an even shade including the cleaning the rust patches with emery paper, dust ,dirt, grease and other foreign matter with water complete.	200.00 Sqm		
73	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	150.00 Sqm		



	at all levels (two coats)			
74	Supplying, fitting, fixing electrocoloured iron fittings of approved make, reasonably smooth, free from sharp edges and corners, flaws and other defects and with counter sunk holes for wood screws including necessary screws etc. complete. <b>a)Sliding door bolts</b> ii)250mm x 16mm	25 Nos.		
	<b>b)Tower bolts</b> ii)250mm x 10mm	20 Nos.		
	<b>d)MS door handles</b> i)75mm	50 Nos.		
	<b>g)MS butt hinge</b> <b>l)Heavy type</b> i)50mm x 40mm x 2.5mm	20 Pairs		
75	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 ) <b>a)Sliding door bolts</b> ii)250mm x 16mm	10 Nos.		
	<b>b)Tower bolts</b> ii)250mm x 12mm	20 Nos.		
	<b>c)Door handles</b> i)75mm	20 Nos.		
	<b>l)Hydraulic door closure</b>	15 Nos.		
	<b>o)Cupboard locks</b> ii)50mm	10 Nos.		
	<b>r)Curtain rod</b> i)20mm x 2mm	50 Rm		
	<b>t)Door stopper with rubber stopper</b>	20 Nos.		
76	Supplying, fitting, fixing brass 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 c.p. brass	30 Nos.		



	screws etc. complete.( bright natural matt & satin finished ). <b>c)Door handles</b> i)75mm			
	<b>D)Gate shutter hook &amp; eye</b> iv)300mm	40 Nos.		
77	Supplying, fitting and fixing MAC blinds horizontal and vertical complete as specified and directed by the department at all levels. <b>Vertical blinds</b> <b>Regular</b> 75 mm	20.00 Sqm		
78	Providing and fixing clear sheet glass beded in putty and fixed with/without wooden bidding including necessary cutting and glass to be required sized(payment for wooden bead shall be made separately) 1)Area of glass panes not exceeding 0.15m2 c)3.00mm thick.	100.00 Sqm		
	2)Area of glass panes exceeding 0.15m2 but not exceeding 0.52m2. a)3.00mm thick.	100.00 Sqm		
	b)4.00mm thick.	200.00 Sqm		
	3)Area of glass panes exceeding 0.52m2. a)5.00mm thick.	100.00 Sqm		
79	Providing and fixing plain frosted glass of ordinary glazing quality beded in putty and fixed with/without wooden bidding including necessary cutting and glass to be required sized(payment for woodenbead shall be made separately) 2)Area of glass panes exceeding 0.15m2 but not exceeding 0.52m2. b)4.00mm thick.	50.00 Sqm		
80	14.9 DSR 2013 Renewal of old putty of glass, panes	2,000.00 Rm		
81	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,	10.00 Qtls		



	<p>chairs, spacers etc. complete.  <b>(No extra measurement for lap, hook, chair, anchor etc. will be entertained in the m</b>  b)Other ISI approved TMT reinforcement bar (SAI/BISCON/THERMAX)  (For Assam Type Bldg., drain works,,retainingwall&amp;boundary wall etc. .  <b>asurement as they are included in the rate) (Upto 1st floor level)</b></p>			
82	<p>Providing and fixing in position collapsible M.S. shutters with vertical channels 20mmx10mmx2mm braced with flat iron diagonals 20mmx5mm size with top and bottom rails of T-iron 40mmx40mmx6mm with 38mm dia steel pulleys complete with bolts and nuts, locking arrangements, stoppers, handles including applying a priming coat of red lead paint.</p>	10.00 Sqm		
83	<p>Providing, fitting and fixing steel windows/ ventilators (openable) of standard rolled steel sections as per relevant I.S. Code-1038 joints mitred and welded with 15mmx3mmx100mm lugs embedded in cement concrete block of M-10 grade including providing and fixing of projecting hinges (not more than 65mm and not less than 15mm wide) bolting device and steel handles, peg stays of 300mm long etc. complete as per drawing including applying a priming coat of red-lead paint.</p>	10.00 Sqm		
84	<p>Providing, fitting and fixing steel windows/ ventilators (fixed) of standard rolled steel sections as per relevant I.S. Code, joints mitred and welded with 15mmx3mmx100mm lugs embedded in cement concrete block of M-10 grade including applying a coat of red-lead primer.</p>	10.00 Sqm		
85	<p>Providing plinth protection 50mm thick to cement concrete 1 : 3 : 6 with coarse agg.of 20mm nominal size including finishing the surface with 10mm thick cement plaster in proportion 1:3 with a floating coat of neat cement finished.</p>	100.00 Sqm		
86	<p>Providing plinth protection with bricks flat laid in cement mortar 1: 4 and finished with 15mm thick cement plaster in prop. 1:2 with a floating coat of neat cement finish.</p>	20.00 Sqm		



87	Providing drain with brick work in cement mortar in proportion 1:5 with half brick thick side walls and 100mm thick C.C (1:3:6) base over one brick flat soling including 15mm thick cement plastering in prop. 1:3 finished with a floating coat of cement slurry as directed with necessary shattering for sides and earth work in excavation of foundation trenches and refilling the sides after completion of work etc. as specified. 300mm wide and average 150mm deep with bed slope 1 in 150 with initial depth of 100mm.	60.00 Rm		
88	Demolishing plain cement concrete including disposal of debris as directed for all levels i) Prop (1 : 4 : 8) or leaner mix	20.00 Cum		
	ii) Prop (1 : 3 : 6) or richer mix	15.00 Cum		
89	Demolishing RCC work including stacking of steel bars and disposal of unserviceable material as directed for all levels	20.00 Cum		
90	Demolishing brickwork including stacking of serviceable materials and disposal of unserviceable materials as directed for all levels	10.00 Cum		
91	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	100.00 Sqm		
92	Demolishing the plastering from walls/ R.C.C. and P.C.C. members without causing any damage to the wall/ member upto any height including disposal of debris as directed for all levels.	3.00 Cum		
93	Demolishing CC floors of various thickness including top layer and base course and disposal of debris as directed for all levels.	50.00 Sqm		
94	Dismantling of existing steel windows/ steel ventilators/ steel windows and steel ventilators without damaging the walls, removing to a safe place and necessary repairs to the edges of walls.	20.00 Sqm		
95	Dismantling all types of ceiling, partition and wall lining and stacking the materials as directed by the department for all levels	20.00 Sqm		



96	Taking out from position and repairing steel window shutters including steel frames at all levels after cutting out the heavily rusted and damaged portion of the shutters and frames and welded with the new 'Z' section of steel members, corner, hinges, stay etc. including fitting and fixing in position and riveting with new rivets adjusting, cleaning, cutting the holes and making good the damages to metal with existing one. Window grills to be removed during carrying out the work and to be re-fixed in position after completion of work. The glass panes damaged during execution should also be changed.	20.00 Sqm		
97	Doing patch work in roof slab/ Raft slab wherever necessary by laying small portions of Polymer modified mortar - Cement sand mortar (in prop 1:4) mixed with 100% acrylic Polymer Master Crete M-81 of Choksey Chemicals/Dr. SealkitSealcrete (Asian Chemicals) /Rheomix 115 of BASF@ 4% by weight of cement as specified & directed by the Department complete after proper surface preparation (surface preparation including thorough cleaning of surface to be measured and paid separately).	30.00 Sqm		
98	Doing patch work in roof slab/ Raft slab wherever necessary by laying small portions of two component Polymer Modified Mortar Sika Top 122 as specified & directed by the Department complete after proper surface preparation (surface preparation including thorough cleaning of surface to be measured and paid separately).	20.00 Sqm		
99	Preparing RCC surfaces in expansion joints by thoroughly cleaning with wire brush etc. followed by power washing to make the surface absolutely free from any foreign particles like dust, oil, grease etc. and allowing surface to dry complete as directed at all levels.	100.00 Rm		
100	A)Supplying, mixing, laying and applying the following waterproofing systems over Raft slabs, Roof slabs, Terraces etc. including curing complete as specified and directed by the Department at all levels.: i)1mm thick single coat of Master Crete M-81 of Choksey Chemicals /Dr.	20.00 Sqm		





	<p>SealKitSealcrete (Asian Chemicals)/ mixed with cement in the ratio 1:2 as a prime coat.</p> <p>ii) 3mm thick Polymer modified mortar - Cement sand mortar (in prop 1:3) mixed with Master Crete M-81/Dr. SealKitSealcrete (Asian Chemicals) @ 15% by weight of cement.</p> <p>iii) 1mm thick coat of Master Crete M-81 /Dr. SealKitSealcrete (Asian Chemicals) mixed with cement in the ratio 1:2 as final coat.</p>			
101	<p>Providing and applying over roof/ raft slab, two coats of waterproofing slurry prepared with cement, fine sand in prop 1:1 admixed with modified acrylic polymer like Cemflex of Sika India Ltd./Dr. SealKitSealcrete (Asian Chemicals),/ RHEOMIX 131 OF BASF by brush @ 0.25% of cement-sand mixture (by weight) after proper surface preparation (surface preparation including thorough cleaning of surface to be measured and paid separately) as specified &amp; directed by the Department complete.</p>	100.00 Sqm		
102	<p>Supplying, providing, mixing and laying of concrete screed of average 20mm thick or as per drawings/ requirements in proportion 1:2:4 (1cement : 2fine aggregate : 4coarse aggregate) (by volume) with 10mm and down well graded aggregates and admixed with a waterproofing plasticizer like Plastocrete Plus of Sika India Ltd./Dr. SealKit LW Super (Asian Chemicals) /Rheomac 730 of BASF@ 0.2% by weight of cement and thereafter scoring the top surface of the concrete screed @ 200mm c/c as specified and directed by the Department.</p>	200.00 Sqm		
103	<p>Providing treatment of expansion joints by the following process as specified and directed by the department.</p> <p>a) Preparation of groove of required sizes by nosing the groove with cement sand mortar (prop.1:4) mixed with mortar modifier cum bonding agent Nitobond SBR of Fosroc Chemicals /Rheomix 141 of BASF/Dr. SealKit Master Bond Latex (Asian Chemicals) @ 2-3Ltrs per bag of cement as specified &amp; directed by the Department complete after proper surface</p>	50.00 Rm		



	preparation including cleaning/ chipping removing all sorts of loose particles and foreign materials and cleaning surface thoroughly (surface preparation including thorough cleaning of surface to be measured and paid separately).			
	b)Providing and applying two coat of Primer 4 in both surface of the expansion joint followed by applying polysulphide sealant Thioflex 600 on vertical joint surface after proper fixing of the necessary backup materials as specified and directed by the Department complete.	25.00 Rm		
104	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 Orissa pattern of size 500mm i)Parryware make	15 Nos.		
	Vitreous water closet squatting pan Indian type W.C Orissa pattern of size 580 x 450 mm a)White i)Parryware make	05 Nos.		
105	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) A)Parryware make a)White viii)Petite (S/P) (Cat No.C0287/88) (inclusive of seat cover)	05 Nos.		
106	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. compete as directed and specified (pipes will be measured separately) A)Parryware make a)White i)Economy Single Flush (Cat No.C8090/C8055)	20 Nos.		



107	Providing fitting and fixing vitreous china flat back type lipped front urinal basin with standard flush pipe and CP brass spreader and brass unions, etc. complete including painting of fittings and brackets, cutting and making good the walls & floors wherever required. A) Parryware make a) White ii) Aquaseal (Cat. No.C0508)	03 Nos.		
108	Providing fitting and fixing vitreous china squatting plate urinal with automatic flushing cistern with standard flush pipe and CP brass spreader and brass unions, etc. complete including painting of fittings and brackets, cutting and making good the walls & floors wherever required. A) Parryware Make	02 Nos.		
109	Basin (without pedestal) A) Parryware make a) White i) Star Basin 550 x 400 (Cat. No.C0450)	10 Nos.		
110	Corner Basin A) Parryware make a) White i) Corner 400 x 400 (Cat. No.C0408/55)	04 Nos.		
111	Providing fitting & fixing laboratory sink of Parryware make with CI/MS brackets, C.P. brass chain with rubber plug, PVC waste pipe etc. complete including painting the fittings, cutting & making good the walls wherever required. (Sink cock, stop cocks, waste coupling are to be paid separately. B) Hindware make a) White ii) Size 450 x 300 x 180 (Cat.No.50001)	04 Nos.		
112	Providing fitting and fixing Mirror with plastic frame of size 500x400mm complete as directed and specified.	10 Nos.		
113	Providing, fitting and fixing recessed soap tray / soap dish complete as directed and specified. a) Parryware Make ii) Wall Soap tray (Cat. No.C9951)	05 Nos.		
114	Providing, fitting and fixing CP towel rail complete as directed and specified. b) Sona make i) Towel rail Diplomat 300mm long	04 Nos.		



	(Cat.No.TR-0605)			
115	Providing, fitting and fixing Chrome Plated towel ring complete as directed and specified. b)Sona make i)Towel ring round (Cat.No.TR-06051)	05 Nos.		
116	Providing, fitting and fixing Chrome Plated waste coupling complete as directed and specified. b)Sona make i)Rupa 32mm (HT/ FT) (Cat.No.WS-0801)	80 Nos.		
117	Supplying, fitting and fixing I.S.I marked or similar approved H.C.I pipe including bolts and nuts and other fittings as required and complete at all levels including below G.L as directed and specified. a)In exposed surfaces or in trenches. ii)100mm dia.	10.00 Rm		
118	Supplying,fitting and fixing H.C.I plain bend including bolts and nuts and other fittings as required complete at all levels including below G.L as directed and specified. a)In exposed surfaces or in trenches. ii)100mm dia.	06 Nos.		
119	Supplying, fitting and fixing H.C.I bend with door including bolts and nuts and other fittings as required complete at all levels including below G.L as directed and specified. a)In exposed surfaces or in trenches. ii)100mm dia.	05 Nos.		
120	Supplying, fitting and fixing H.C.I plain single equal junction/plain tee including bolts and nuts and other fittings as required complete at all levels including below G.L as directed and specified. a)In exposed surfaces or in trenches. ii)100mm dia.	06 Nos.		
121	Supplying, fitting and fixing H.C.I single equal Tee junction with door including bolts and nuts and other fittings as required complete at all levels including below G.L as directed and specified. a)In exposed surfaces or in trenches. ii)100mm dia.	04 Nos.		
122	Supplying, fitting and fixing PVC pipes of 6 Kg/cm <sup>2</sup> (Supreme/Prince) or other ISI approved including joining ,fitting and fixing wiyh clamps etc.as necessary	20.00 Rm		



	complete at all levels including below G.L as directed and specified. a)In exposed surfaces or in trenches. ii)110mm dia.			
	iv)75mm dia.	15.00 Rm		
123	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.	10 Nos.		
	iv)75 mm dia.	10 Nos.		
124	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.	05 Nos.		
	iv)75 mm dia.	05 Nos.		
125	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.	06 Nos.		
	iv)75 mm dia.	06 Nos.		
126	Supplying fitting and fixing PVC cross 'T' plain 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. i)110mm x110mm	05 Nos.		
127	Supplying fitting and fixing PVC coupler of (Supreme / Prince)or other ISI approved including joining , fitting and fixing etc.	10 Nos.		



	as necessary complete at all levels including below G.L. as directed and specified. a) In exposed surfaces or in trenches. i)110 mm dia			
	iii)75 mm dia	10 Nos.		
128	Supplying fitting and fixing PVC cleaning pipe of (Supreme/Prince) or other ISI approved including joining , fitting and fixing etc. in exposed surface or trenches as necessary complete at all levels including below G.L. as directed and specified. b)110 mm	10 Nos.		
	c)75 mm	10 Nos.		
129	Providing fitting and fixing 50mm dia. HCI cowl with cement caulking complete as directed and specified.	10 Nos.		
130	Providing fitting and fixing PVC cowl of ISI make complete as directed and specified. iv)75mm dia. PVC cowl of ISI make	10 Nos.		
131	Providing fitting&fixing C.I. Grating to the floors complete as directed and specified. b)75mm dia	10 Nos.		
132	C.P. Grating iii)75mm dia	10 Nos.		
133	Clearance of service septic tank and removing the night soil and debris etc. manually from the tank/chamber to a distant place preferably during holidays or at night by bailing out the deposited night soil, burying the same in near by trenches/pits which has been dug earlier and covering the same. The service septic tank is cleaned with clear water and completed as directed by the Department. d)For 30 users	05 Nos.		
	e)For 10 users	05 Nos.		
134	Cleaning & clearing the inspection chamber which is partly filled with night soil connected to septic tank soak pit with both side soil pipe of length 1.80m	10 Nos.		



	manually and disposed off the block by pushing with bamboo kamis as directed by the Department.			
135	Renewing 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 Orissa pattern of size 500mm. a)White i)Parryware make.	04 Nos.		
136	Renewing vitreous china Dual Flush / Floor Mounted Coupled / Extended 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>B)Hindware make</b> a)White 1)Extended Type i)Const (inclusive of seat cover and fittings) (Cat. No. 20028) (P Trap)	02 Nos.		
137	Renewing PVC flushing cistern with all internal fittings with CI brackets including fitting and fixing standard size CP flush pipe, union clamps etc. compete as directed and specified (pipes will be measured separately) i)Parryware make a)White i)Economy Single Flush (Cat No.C8090/C8055)	50 Nos.		
138	Renewing vitreous china flat back type lipped front urinal basin with standard flush pipe and CP brass spreader and brass unions, etc. complete including painting of fittings and brackets, cutting and making good the walls & floors wherever required. <b>A)Parryware make</b> a)White iv)Flat Back (Cat. No.C0501/72)	07 Nos.		
139	Renewing vitreous china squatting plate urinal with automatic flushing cistern with standard flush pipe and CP brass	02 Nos.		



	<p>spreader and brass unions, etc. complete including painting of fittings and brackets, cutting and making good the walls &amp; floors wherever required.</p> <p><b>A) Parryware Make</b> i) White (Cat. No. C0503)</p>			
140	<p>Supplying fitting and fixing G.I. Pipes of following sizes, with all necessary 'R' brand or similar approved G.I. Fittings such as bend, tee, elbow, reducer, nipple, plug, long screw fitting, H.W. clamps etc. complete at all levels including below G.L. as directed and specified.</p> <p><b>A) Exposed on walls</b> a) 50 mm dia (Medium) ii) Using other ISI marked approved brand</p>	10.00 Rm		
	<p>b) 40 mm dia (Medium) ii) Using other ISI marked approved brand</p>	10.00 Rm		
	<p>c) 32 mm dia (Medium) ii) Using other ISI marked approved brand</p>	10.00 Rm		
	<p>d) 25 mm dia (Medium) ii) Using other ISI marked approved brand</p>	20.00 Rm		
	<p>e) 20 mm dia (Medium) ii) Using other ISI marked approved brand</p>	30.0 Rm		
	<p>f) 15 mm dia (Medium) ii) Using other ISI marked approved brand</p>	30.00 Rm		
141	<p>Supplying fitting and fixing approved <b>uPVC Pipes</b> of different sizes, with all necessary 'R' brand or similar approved P.V.C. Fittings such as bend, tee, elbow, reducer, nipple, plug, long screw fitting, clamps etc. complete at all levels including below G.L. as directed and specified. (A) Exposed or in trenches SUPREME/ PRINCE/ SFMC BRAND or other equivalent approved brand (High pressure pipe Sch-40) Exposed or in trenches d) 25 mm dia</p>	30.00 Rm		
	<p>e) 20 mm dia</p>	30.00 Rm		
	<p>f) 15 mm dia</p>	40.00 Rm.		





142	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/Sumthinga)spl./Tropical) b)Bib cock short body	50.00 Nos.		
	Long body bib cock with wall flange	20 Nos.		
143	Supplying fitting and fixing polymer bib cock (15mm dia) of Polymer Prayag make directed and specified.(G.I. & C.P pipes will be measured separately) a)Standard	02 Nos.		
144	Supplying fitting and fixing chrome plated (C.P.) stop-cock of approved brand and size as mentioned below as directed and specified.(G.I. & C.P pipes will be measured and paid separately) v)Essco brand a)Stop cock 15 mm dia male/female end	05 Nos.		
	b)Concealed stop cock heavy body casted cap 15mm	05 Nos.		
145	Supplying and fitting fixing C.P. pillar cock of 15mm dia of approved brand as specified and directed. I)SONA make a)Light type	20 Nos.		
146	Supplying fitting and fixing Chrome Plated (C.P.) sink cock of approved brand as directed and specified. (G.I. & C.P pipes will be measured and paid separately) III)Essco brand b)Sink cock with "U" shape bend pipe	05 Nos.		
147	Supplying fitting and fixing Chrome Plated (C.P.) shower 15mm dia. Of approved brand as directed and specified. (Pipes will be measured and paid separately) I)Essco make a)Casted shower arm heavy 190mm long with wall flange.	25 Nos		
148	Supplying and fitting gun metal country pit valve (full way valve) I.S.I. Make as specified and directed. a)50mm dia	03 Nos.		
	b)40 mm dia.	03 Nos.		



149	Supplying and fitting ball valve as specified and directed.. a)25 mm dia. (gun metal)	10 Nos.		
	b)20mm dia. (gun metal/Copper)	10 Nos.		
150	Removing and refilling old G.I. Pipes of 15mm dia with new socket, bend, tee etc. complete including the stacking the old serviceable materials at safe place as directed.	50.00 Rm		
151	Removing and refilling old G.I. Pipes of 20mm dia with new socket, bend, tee etc. complete including the stacking of old serviceable materials at safe place as directed.	40.00 Rm		
152	Removing and refilling old G.I. Pipes of 25mm dia with new socket, bend, tee etc. complete including the stacking of old serviceable materials at safe place as directed.	40.00 Rm		
153	Renewing G.I.socket ZOLOTO-m brand, heavy a)15 mm dia.	30 Nos.		
	b)20 mm dia.	20 Nos.		
154	Renewing G.I. Elbow (heavy quality)as specified and directed. a)15 mm dia.	20 Nos.		
	b)20 mm dia.	10 Nos.		
155	Renewing G.I. Union joint (heavy) a)15 mm dia.	05 Nos.		
	b)20 mm dia.	03 Nos.		
	c)(25 mm dia.	03 Nos.		
156	Providing & fixing composite end seal compression fittings as per ASTM F-1282-1995 annexure for cold water supply e.g. tees, elbows, reducers, connectors, couplers & clamps with jointing, testing complete including cutting & making good etc. <b>Clamp fitting holding with necessary metal fasteners &amp; screws</b>	50 Nos.		



	a)1216/1620			
157	Renewing G.I. Jam nut 15mm to 20mm a)15 mm dia.	05 Nos.		
	b)20 mm dia.	05 Nos.		
158	Renewing G.I. nipple 15mm to 50mm (Zoloto make) c)25 mm dia.	05 Nos.		
159	Renewing G.I. Tank nipple 15mm to 50mm (Zoloto make) c)25 mm dia.	05 Nos.		
160	Renewing G.I. Cap plug 15mm to 50mm (Zoloto make) c)25 mm dia.	05 Nos.		
161	Supplying and placing plastic cylindrical vertical cloused top (PCVC) tank of Sintex / Polycon / Patton make over the staggig with manhole cover with locking and cleaning arrangement including providing pads of size as required for inlet and outlet pipes III)1000 litre capacity b)Polycon make	04 Nos.		
	iv)500 litre capacity b)Polycon make	06 Nos.		
162	Labour for erecting and placing PCVC Tank over the staggig up to a height of 5.00m complete as directed. c)1000 litre capacity	04 Nos.		
	d)500 litre capacity	06 Nos.		
163	Supplying fitting fixing of PCVC water tank cover	50 Nos.		
164	Supplying fitting, fixing of float valve - 25 mm	35 Nos.		
	20 mm	20 Nos.		
165	Renewing PVC waste pipe including removing the unserviceable materials, cutting and making good to the floors and walls where necessary.	10 Nos.		



166	Renewing white seat and lid for European type WC complete as directed and specified. <b>B) Hindware make</b> <b>a) White</b> (i) Seat cover standard	05 Nos.		
167	Renewing CI/MS brackets for wash basin and sink complete as directed and specified.	10 Nos.		
168	Supplying fitting and fixing Pipes with all necessary fittings in exposed or in trenches including trenching and refilling the same etc complete as directed <b>B) uPVC pipe with uPVC fittings</b> ( Using uPVC high pressure pipe) (Using SUPREME/ PRINCE/ SFMC/ FUSION brand pipe) v) 40 mm diameter	20.00 Rm		
	vi) 50mm diameter	20.00 Rm		
	vii) 75mm diameter	20.00 Rm		
169	Any other schedule item of APWD (B) Volume I & II ( Rate should be quoted for this item in percentage below/above /at par basis)	Rs 25,000.00		
<b>Total Amount</b>				

**Total =.....**

**Amount (In words) =.....**

**Name:-**

**Address:-**

**Ph No:-**