



**INDIAN INSTITUTE OF TECHNOLOGY BOMBAY  
ESTATE OFFICE**

**NOTICE INVITING TENDER**

Telephone No. 022 2576-4060,022-2159-6922 email id [drestate@iitb.ac.in](mailto:drestate@iitb.ac.in)

IIT Bombay invites digitally signed Technical Bid & Financial Bid for following work from the contractors having **similar** experience in Central Government Departments / State Government Departments / Central or State Autonomous Bodies / State or Central Public Sector Undertakings & Large Private Organizations. The detail of work is given below:

| Sr. No. | Name of Work                                                                                                                                                                                                | Estimated Cost (In Rs.)        | EMD (Rs.)     | RFX               | Duration of contract                     |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------|-------------------|------------------------------------------|
| 1       | Term contract for attending plumbing, Carpentry, Masonry & associated maintenance complaints/ work in H2,H1 and TypeII B Quarters at Lakeside area for 01 year period.<br><b>EO/A/LAKESIDE/WKS-95/26-27</b> | Rs 70,47,879/-<br>Incl.18% GST | Rs.1,40,000/- | <b>6100003112</b> | <b>12 months</b><br><br>Incl.<br>Monsoon |

Intending bidders need to register themselves on the IIT Bombay portal i.e. <https://portal.iitb.ac.in/vrp/index.jsp> to get User ID and Password. Please visit [https://portal.iitb.ac.in/vrp/vrp\\_srm\\_docs.jsp](https://portal.iitb.ac.in/vrp/vrp_srm_docs.jsp) for configuration process and user manual. For queries regarding vendor registration, and configuration process please contact on 022 - 2159 3001 (MDM Help-desk).

All tender documents, forms, etc are available online on <https://www.iitb.ac.in/resources/vendors-tenders> and Central Public Procurement Portal (CPPP) e-tender publishing portal of the Government of India.

**Date and time of uploading of tender documents are from 11.08.2026 to 02.09.2026 till 11:15 a.m. Date of opening of Technical Bid will be 02.09.2026 at 11.30 a.m. and Financial Bid 09.09.2026 (Tentative).**

All contractors/agencies should submit technical bid with the following documents, failing to which their tender will be summarily rejected from the tendering process:

1) i. Experience of having successfully completed works during the last 7 years ending last day of the month previous to the one in which applications are invited :

Three similar completed works costing not less than the amount equal to **40%** of estimated cost put to tender,

OR

Two similar completed works, costing not less than the amount equal to **50%** of the estimated cost put to tender

Or

One similar completed work of aggregate cost not less than the amount equal to **80%** of the estimated cost.

ii. One completed work of any nature (either part of (i) or a separate one) costing not less than the amount equal to **40%** of the estimated cost put to tender with some Central Government Departments / State Government Departments / State or Central Autonomous Bodies / State or Central Public Sector undertakings.

2) Upload a copy of the information in respect of manpower/mandays for above said work must be given in undertaking with official signature and seal/stamp, otherwise tender will be rejected.

3) P. F. registration certificate.

4) P. F. challans of last 12months.

5) ESIC registration certificate and copies of ESIC challans of the last 12 months (as per the labourers engaged during a particular month). Contractor name should be mentioned in the challans else the agency will be disqualified. OR Contractors' all risks insurance (CAR policy)

6) PAN card.

7) GST registration certificate.

8) Income Tax Return for **assessment year** i.e. of **2023-24 ,2024-25 & 2025-26**.

9) List of Equipment's, Machinery, Tools.

10) List of Technical Staff with copies of their Degree/diploma certificate.

11) **Submit** DD/FDR/BG of Rs. 1,40,000/- in the name of "The Registrar, IIT Bombay" **before the opening of Technical Bid.** Contractors are also requested to upload a scanned copy of it to the online Tendering portal.

12) Power of Attorney, if any.

13) Proof of Constitution: An affidavit in case of Sole Proprietorship, Partnership Deed in case of Partnership Firm, Article of Association in case of Private / Public Limited Companies.

14) **Litigation history** of the agency is required to be upload along with the application. A tender would not be awarded if any inquiry proceeding / criminal case is found pending against the agency. If there is no enquiry then undertaking has to be uploaded in the format given.

15) Bank Solvency certificate 40% of estimated amount issued within one year from any Nationalized / Schedule Bank from the date of publishing of Tender.

16) Detail statement for work completed, work in hand including balance commitment of work should be enclosed for last three year commencing from 1st April and ended with 31st March and contractor should upload his details as per **Annexure'A'** format with support of xerox copies of work order and work completion certificates, otherwise the bid capacity will not be calculated and his technical bid will be summarily rejected.

#### **Terms & Conditions :**

**The documents listed below from Sr. No. 1 to 16 is mandatory for qualification in the technical bid evaluation process.**

**Select 'N5' tax code for 18% GST and upload all the above mentioned documents in "C folder" of online SRM tendering portal.**

The work will be executed with lowest bidder as per the terms and conditions of work order and tender documents signed by the lowest bidder.

The validity of the bids will be valid for 6 months from the date of opening of tender.

No work will be subletted to third party. If found payment of final bill will not be processed and the contractor's name will removed from the enlistment without giving him further notice.

The rates is prepared from CPWD DSR 2023 , Market Rate & Rate Analysis.

Contractors are strictly prohibited from engaging in any correspondence related to tender documents with anyone other than the Tender Section. Any violation will result in disqualification from all future tenders.

**No queries will be entertained within 24 hours prior to the opening of the tender. We kindly request all contractors to upload their quotations well in advance of the submission deadline to ensure a smooth and timely process.**

IIT Bombay reserve its rights to reject any or all tenders without assigning any reason and without any reference. IIT Bombay reserves the right to request a detailed justification of the quoted rates from the lowest bidder, if deemed necessary by the Engineer-in-Charge. Should the justification provided by the bidder be considered unsatisfactory or unsubstantiated, the Engineer-in-Charge shall have full authority to reject the bid, irrespective of it being the lowest.

*L. Hapink*  
*05/08/2022*  
Superintending Engineer (I/C)

*X*  
*30/07/22*

*C*  
*30/7*

### DECLARATION

- (a) We are not involved in any litigation that may have an impact of affecting or compromising the works as required under this tender.
- (b) We are not black-listed by any Central/State Government/Public Sector Undertaking in India.
- (c) We hereby confirm and declare that M/s [Company Name] does not have any Litigation / Arbitration History with any Government department, Public Sector Undertaking (PSU), or Private Sector agency for works executed during the **last 5 years.**
- (d) I/we undertake that the documents submitted are genuine/authentic and nothing material has been concealed therefrom and that I/we are not debarred by any Government organization and are competent to have the contract. I/we understand that the contract is liable to be cancelled, if found to be having obtained, through fraudulent means/concealment of information.

(Signature of Authorized Signatory)

Name of the bidder: \_\_\_\_\_  
Complete Address: \_\_\_\_\_

Address (Works), if \_\_\_\_\_

any: Contact Nos. \_\_\_\_\_

**TO BE UPLOADED ON SRM TENDERING PORTAL WITH FINANCIAL BID**

**ANNEXURE 'A' (FORMAT)  
TECHNICAL BID**

File No. : EO/A/LAKESIDE/WKS-95/26-27

Name of Work : Term contract for attending Plumbing, Carpentry, Masonry and associated maintenance complaints/work in H2, H1 and Type 2B quarters at Lakeside Area for One-year period.

Name of the Contractor -----

| Sr. No.                    | Name of Client | Name of Works | 2022-23<br>(In Lakhs) | 2023-2024<br>(In Lakhs) | 2024-2025<br>(In Lakhs) | 2025-2026<br>(In Lakhs) |         |
|----------------------------|----------------|---------------|-----------------------|-------------------------|-------------------------|-------------------------|---------|
|                            |                |               |                       |                         |                         | Completed               | Balance |
|                            |                |               | -                     | -                       | -                       | -                       | -       |
|                            |                |               | -                     | -                       | -                       | -                       | -       |
| Total Amount<br>(In Lakhs) |                |               | -                     | -                       | -                       | -                       | -       |

Note : Contractor must submit his details as per Annexure 'A' with declaration stating that **he is possessing all the original copies of work orders and experience certificates, it will be produced as and when required to IIT Bombay.** However, if it is found false at later stage, the contractor will be debarred or blacklisted. Whereas, if information is not submitted as per Annexure 'A' format his bid capacity will not be calculated and his tender will be summarily rejected.

Superintending Engineer (I/C)

Signature of Contractor  
Name & Address in full

## WORKS UNDERTAKING

EO/A/LAKESIDE/WKS-95/26-27

To,  
Superintending Engineer (I/C)  
Indian Institute of Technology,  
Powai, Mumbai – 400 076.

Sub : Term contract for attending Plumbing, Carpentry, Masonry and associated maintenance complaints/works in H2, H1 and Type 2B quarters at Lakeside Area for One-year period.

Dear Sir,

We are hereby quoting all the rates for the attached schedule of short tender of the above mentioned job.

We hereby accept & signed all the General Terms and Conditions and special Conditions of Contract.

The work will be completed within specified time limit of 01 Year (Including Monsoon) as mentioned in the notice inviting for short tenders.

The following information is required to be provided.

I / We agree to keep the tender open for One Hundred and Eighty (180) days from the due date of its opening / One Hundred and Eighty days from the date of opening of financial bid in case tenders are invited on 2/3 envelope system and not to make any modification in its terms and conditions.

|                                                        | Male | Female |
|--------------------------------------------------------|------|--------|
| No. of Unskilled casual labour to be required per day. |      |        |
| No. of Skilled casual labour to be required per day.   |      |        |
| Total Mandays required for completion of work.         |      |        |

Thanking you,

Yours faithfully,

Signature of the Contractor  
With official Seal / Stamp of the firm

INDIAN INSTITUTE OF TECHNOLOGY BOMBAY  
POWAI, MUMBAI - 400 076.

EO/A/LAKESIDE/WKS-95/26-27

ESTATE OFFICE

Name of Work :- Term contract for attending Plumbing, Carpentry, Masonry & associated maintenance complaints/ works in H2, H1 and Type 2B quarters at Lakeside Area for One-year period.

Schedule of work

| Sr. No. | Description of work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Qty.   | Unit    |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|
| 1       | Attending all the Plumbing, Carpentry, Masonry and associated problems, complaints etc. in all buildings at Lakeside area as directed by Engineer In-charge by engaging a group of Plumber, Carpenter, Mason and Supervisor each with not less than 5 years work experience in Plumbing, Carpentry, Masonry and their Supervisory work, with the helpers for both plumber, carpenter and mason each for regular day shift duty with minimum knowledge in plumbing, carpentry masonry work. The Supervisor, Plumber, Carpenters and Mason along with 3 Helpers to be engaged in the General shifts of 8 hrs – (9AM to 6PM) with 01 hour lunch break. The labourers are of age not less than 18 years and not more than 60 years, and the Contractor should follow the Contract labour (Regulation & Abolition) Act.1970 and the labourers are to be paid monthly payment by following all formalities under Contract Labour Act 1970, Minimum wages Act, etc. Arrangements shall be made to attend all the complaints registered from Occupants, attend all the works as instructed & given by the Engineer In-charge or his representative in the Maintenance office. The scope of work includes attending plumbing, carpentry and mason works related to day to day's routine maintenance works, like fixing of loose fittings and fixtures with new screws, nails and brackets, fixing of new washers for defective bib taps, stopcocks, pillar taps, etc., and replacement of damaged fittings and fixtures as per various items listed under Item No.2 and including depositing all the old & damaged items and fittings, fixtures, doors, windows, frame & shutters etc. to Maintenance office through the Engineer In-charge etc. all complete as directed. (A group of 1 Supervisor, 1 Plumber, 1 Carpenter, 1 Mason and 3 Helpers each to be deployed in General shift. Special conditions to be read, agreed and enclosed herewith are applicable for this item. | 368.00 | Per job |
| 2       | Providing and supplying following materials fittings & fixtures with required screws, nails, white cement, teflon tape, solvent cement, black solvent, concrete nails, fevicol, clips & clamps, plugs etc. Wherever required as directed and fixing with the help of labourers as per item no. 01.<br>a) P/s 15mm CP Pillar Tap (min. Weight 375 to 400 gm.) of Seiko make                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 100    | Each    |
|         | b) P/s 15mm dia CP Bib Tap of Seiko make                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 100    | Each    |
|         | c) P/s 15mm dia Brass Stop cock of Seiko make                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 100    | Each    |
|         | d) P/s PVC Connection – 15mm dia – 1.5 to 2.5 feet long                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 100    | Each    |
|         | e) P/s ¼" Flexible pipe – 3 feet long – white colour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 100    | Each    |
|         | f) P/s SS Grating jali – 5" with hole for fixing pipe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 25     | Each    |
|         | g) P/s SS Grating jali 4" with hole for fixing pipe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 25     | Each    |
|         | h) P/s SS Grating jali – 4" with small holes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 25     | Each    |
|         | i) P/s SS Grating jali – 5" with small holes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 25     | Each    |
|         | j) P/s Tap washers for tap – 15mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 150    | Per No. |
|         | k) P/s Tap washers for tap – 20mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 150    | Per No. |
|         | l) P/s Rubber Washer for Ball cock                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 100    | Each    |
|         | m) P/s 15mm GI Double Nipple for shower                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 50     | Each    |
|         | n) P/s Jet Spray/Hand Spray Gun of Jaquar Make                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 50     | Each    |
|         | o) P/s Jet Spray PVC pipe tube – 1.5 metre long of Jaquar make                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 50     | Each    |
|         | p) P/s Health Faucet CP Jet Spray full set of Jaquar Make                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 50     | Each    |
|         | q) P/s Jet Spray Button of Jaquar make                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 50     | Each    |
|         | r) P/s Waste coupling – 32mm dia. Half threaded                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10     | Each    |
|         | s) P/s 15mm dia Chromium plated brass shower                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 50     | Each    |

|                                              |    |          |
|----------------------------------------------|----|----------|
| t) P/s 15mm dia 2 Way Bib tap of Jaquar make | 50 | Each     |
| u) P/s Kitchen Sink Nirali Jali              | 50 | Each     |
| v) P/s Washbasin Bracket pair – 12 inches    | 50 | Per pair |
| w) P/s Washbasin Bracket pair – 9 inches     | 50 | Per pair |
| x) P/s G. I. Union 15 mm                     | 50 | Each     |
| y) P/s G.I. Union 20 mm                      | 50 | Each     |
| z) P/s G.I. Union 25 mm                      | 50 | Each     |
| aa) P/s GI Elbow 15 mm                       | 50 | Each     |
| ab) P/s GI Elbow 20 mm                       | 50 | Each     |
| ac) P/s GI Elbow 25 mm                       | 50 | Each     |
| ad) P/s GI Tees 15 mm                        | 50 | Each     |
| ae) P/s GI Tees 20 mm                        | 50 | Each     |
| af) P/s GI Tees 25 mm                        | 50 | Each     |
| ag) P/s GI Coupling 15 mm                    | 50 | Each     |
| ah) P/s GI Coupling 20 mm                    | 50 | Each     |
| ai) P/s GI Coupling 25 mm                    | 50 | Each     |
| aj) P/s 1/2" GI Barrel piece – 2 inch length | 50 | Each     |
| ak) P/s 1/2" GI Barrel piece – 3 inch length | 50 | Each     |
| al) P/s 1/2" GI Barrel piece – 4 inch length | 50 | Each     |
| am) P/s 1/2" GI Barrel piece – 5 inch length | 50 | Each     |
| an) P/s 1/2" GI Barrel piece – 6 inch length | 50 | Each     |
| ao) P/s 3/4" GI Barrel piece – 2 inch length | 50 | Each     |
| ap) P/s 3/4" GI Barrel piece – 3 inch length | 50 | Each     |
| aq) P/s 3/4" GI Barrel piece – 4 inch length | 50 | Each     |
| ar) P/s 3/4" GI Barrel piece – 5 inch length | 50 | Each     |
| as) P/s 3/4" GI Barrel piece – 6 inch length | 50 | Each     |
| at) P/s 1" GI Barrel piece – 2 inch length   | 50 | Each     |
| au) P/s 1" GI Barrel piece – 3 inch length   | 50 | Each     |
| av) P/s 1" GI Barrel piece – 4 inch length   | 50 | Each     |
| aw) P/s 1" GI Barrel piece – 5 inch length   | 50 | Each     |
| ax) P/s 1" GI Barrel piece – 6 inch length   | 50 | Each     |
| ay) P/s 15mm CPVC pipe                       | 50 | Rmt.     |
| az) P/s 20mm CPVC pipe                       | 50 | Rmt.     |
| ba) P/s 25mm CPVC pipe                       | 50 | Rmt.     |
| bb) P/s 40mm CPVC pipe                       | 50 | Rmt.     |
| bc) P/s 50mm CPVC pipe                       | 50 | Rmt.     |
| bd) P/s CPVC Union 15 mm                     | 50 | Each     |
| be) P/s CPVC Union 20 mm                     | 50 | Each     |
| bf) P/s CPVC Union 25 mm                     | 50 | Each     |
| bg) P/s CPVC Union 40 mm                     | 50 | Each     |
| bh) P/s CPVC Union 50 mm                     | 50 | Each     |
| bi) P/s CPVC Elbow 15 mm                     | 50 | Each     |
| bj) P/s CPVC Elbow 20 mm                     | 50 | Each     |
| bk) P/s CPVC Elbow 25 mm                     | 50 | Each     |
| bl) P/s CPVC Elbow 40 mm                     | 50 | Each     |
| bm) P/s CPVC Elbow 50 mm                     | 50 | Each     |
| bn) P/s CPVC Tees 15 mm                      | 50 | Each     |
| bo) P/s CPVC Tees 20 mm                      | 50 | Each     |
| bp) P/s CPVC Tees 25 mm                      | 50 | Each     |
| bq) P/s CPVC Tees 40 mm                      | 50 | Each     |
| br) P/s CPVC Tees 50 mm                      | 50 | Each     |

|                                                                                                     |     |      |
|-----------------------------------------------------------------------------------------------------|-----|------|
| bs) P/s CPVC Coupling 15 mm                                                                         | 50  | Each |
| bt) P/s CPVC Coupling 20 mm                                                                         | 50  | Each |
| bu) P/s CPVC Coupling 25 mm                                                                         | 50  | Each |
| bv) P/s CPVC Coupling 40 mm                                                                         | 50  | Each |
| bw) P/s CPVC Coupling 50 mm                                                                         | 50  | Each |
| bx) P/s CPVC Reducer 15 mm                                                                          | 50  | Each |
| by) P/s CPVC Reducer 20 mm                                                                          | 50  | Each |
| bz) P/s CPVC Reducer 25 mm                                                                          | 50  | Each |
| ca) P/s CPVC Reducer 40 mm                                                                          | 50  | Each |
| cb) P/s CPVC Reducer 50 mm                                                                          | 50  | Each |
| cc) P/s 25mm CPVC FT Brass                                                                          | 50  | Each |
| cd) P/s 25mm CPVC MT Brass                                                                          | 50  | Each |
| ce) P/s 110mm PVC Rain Water Pipe (Prince brand make)                                               | 20  | Rmt. |
| cf) P/s 110mm PVC Shoe                                                                              | 20  | Each |
| cg) P/s 110mm PVC Plug Bend                                                                         | 20  | Each |
| ch) P/s 110mm PVC Elbow                                                                             | 20  | Each |
| ci) P/s 110mm PVC Clamp                                                                             | 20  | Each |
| cj) P/s 75mm PVC Rain Water Pipe (Prince brand make)                                                | 20  | Rmt. |
| ck) P/s 75mm PVC Shoe                                                                               | 20  | Each |
| cl) P/s 75mm PVC Plug Bend                                                                          | 20  | Each |
| cm) P/s 75mm PVC Elbow                                                                              | 20  | Each |
| cn) P/s 75mm PVC Clamp                                                                              | 20  | Each |
| co) P/s 60mm PVC Rain Water Pipe (Prince brand make)                                                | 20  | Rmt. |
| cp) P/s 60mm PVC Shoe                                                                               | 20  | Each |
| cq) P/s 60mm PVC Plug Bend                                                                          | 20  | Each |
| cr) P/s 60mm PVC Elbow                                                                              | 20  | Each |
| cs) P/s 60mm PVC Clamp                                                                              | 20  | Each |
| ct) P/s 40mm PVC Rain Water Pipe (Prince brand make)                                                | 20  | Rmt. |
| cu) P/s 40mm PVC Shoe                                                                               | 20  | Each |
| cv) P/s 40mm PVC Plug Bend                                                                          | 20  | Each |
| cw) P/s 40mm PVC Elbow                                                                              | 20  | Each |
| cx) P/s 40mm PVC Clamp                                                                              | 20  | Each |
| cy) P/s 110mm HDPE Pipe                                                                             | 20  | Rmt. |
| cz) P/s 110mm HDPE Bend                                                                             | 20  | Each |
| da) P/s 110mm HDPE Elbow                                                                            | 20  | Each |
| db) P/s 15mm dia (Brass) Ball cock with PVC float of Techno/Satyam/Kohinoor make                    | 25  | Each |
| dc) P/s 20mm dia (Brass) Ball cock of with PVC float Techno/Satyam/Kohinoor make                    | 50  | Each |
| dd) P/s 25mm dia (Brass) Ball cock with PVC float of Techno/Satyam/Kohinoor make                    | 30  | Each |
| de) P/s 15mm dia G.I Socket                                                                         | 25  | Each |
| df) P/s 15mm dia Washing Machine Tap of Sieko make                                                  | 50  | Each |
| dg) P/s 40mm PVC pipe with fittings                                                                 | 100 | Rmt  |
| dh) P/s Flush tank set with fittings (Hindware/ Parryware make)                                     | 30  | Each |
| di) P/s PVC Y Bend Junction 100mm dia (4") fixing with clamps support                               | 25  | Each |
| dj) P/s PVC Y Bend Junction 75mm dia (3") fixing with clamp support                                 | 25  | Each |
| dk) P/s White glazed earthenware wash hand basin of 55cm x 40cm size (Hindware/Cera/Parryware make) | 10  | Each |
| dl) P/s White glazed earthenware wash hand basin of 45cm x 30cm size (Hindware/Cera/Parryware make) | 20  | Each |
| dm) P/s 15mm Pillar Tap of Jaguar make                                                              | 30  | Each |
| dn) P/s 15mm Stop Tap of Jaguar make                                                                | 30  | Each |

|                                                                                                                                      |     |      |
|--------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| do) P/s Anchor Fastner                                                                                                               | 30  | Pair |
| dp) P/s CI pipe – 3” (Nelson or Nico make)                                                                                           | 15  | Rmt. |
| dq) P/s CI pipe – 4” (Nelson or Nico make)                                                                                           | 20  | Rmt. |
| dr) P/s 15 mm diameter I.S.I. approved heavy type galvanized iron pipes of brand Zenith or Equivalent                                | 50  | Rmt. |
| ds) P/s 20 mm diameter I.S.I. approved heavy type galvanized iron pipes of brand Zenith or Equivalent                                | 50  | Rmt. |
| dt) P/s 25 mm diameter I.S.I. approved heavy type galvanized iron pipes of brand Zenith or Equivalent                                | 50  | Rmt. |
| du) P/s 32 mm diameter I.S.I. approved heavy type galvanized iron pipes of brand Zenith or Equivalent                                | 25  | Rmt. |
| dv) P/s 40 mm diameter I.S.I. approved heavy type galvanized iron pipes of brand Zenith or Equivalent                                | 25  | Rmt. |
| dw) P/s 50 mm diameter I.S.I. approved heavy type galvanized iron pipes of brand Zenith or Equivalent                                | 25  | Rmt. |
| dx) P/s gun metal Gate Valve bearing I.S.I. Mark including socket, union nut etc. .<br>a) 15 mm (Sieko / Shakti or equivalent brand) | 25  | Nos. |
| dy) P/s gun metal Gate Valve bearing I.S.I. Mark including socket, union nut etc. .<br>b) 20 mm (Sieko / Shakti or equivalent brand) | 25  | Nos. |
| dz) P/s gun metal Gate Valve bearing I.S.I. Mark including socket, union nut etc. .<br>c) 25 mm (Sieko / Shakti or equivalent brand) | 25  | Nos. |
| ea) P/s gun metal Gate Valve bearing I.S.I. Mark including socket, union nut etc. .<br>d) 32 mm (Sieko / Shakti or equivalent brand) | 10  | Nos. |
| eb) P/s gun metal Gate Valve bearing I.S.I. Mark including socket, union nut etc. .<br>e) 40 mm (Sieko / Shakti or equivalent brand) | 5   | Nos. |
| ec) P/s gun metal Gate Valve bearing I.S.I. Mark including socket, union nut etc. .<br>f) 50 mm (Sieko / Shakti or equivalent brand) | 5   | Nos. |
| ed) P/s PVC Pipe – 3” (Prince brand make)                                                                                            | 20  | Rmt  |
| ee) P/s PVC Pipe – 4” (Prince brand make)                                                                                            | 20  | Rmt  |
| ef) P/s PVC Pipe – 6” (Prince brand make)                                                                                            | 10  | Rmt  |
| eg) P/s S. S. Cockroach Trap                                                                                                         | 25  | Nos. |
| eh) P/s Plastic seat with lid for european type W.C. pan of Parryware make.                                                          | 25  | Nos. |
| ei) P/s Stainless Steel sink of size 485 x 410 x 215mm (Nirali make)                                                                 | 5   | Nos. |
| ej) P/s Stainless Steel sink of size 615mm x 460mm x 255mm (Nirali make)                                                             | 5   | Nos. |
| ek) P/s White Cement                                                                                                                 | 200 | Kg   |
| el) P/s Aluminum tower bolt 4” (100mm) long                                                                                          | 50  | Each |
| em) P/s Aluminium tower bolt 6” (200mm) long                                                                                         | 50  | Each |
| en) P/s Aluminium tower bolt 8” (200mm) long                                                                                         | 50  | Each |
| eo) P/s Butt Hinges brass oxidized 100mm (4”)                                                                                        | 50  | Each |
| ep) P/s Butt Hinges brass oxidized 75 mm (3”)                                                                                        | 50  | Each |
| eq) P/s Plain Glass – 5mm                                                                                                            | 25  | Sqm  |
| er) P/s Bajri Glass – 5mm                                                                                                            | 25  | Sqm  |
| es) P/s Aluminium Window handle – 4”                                                                                                 | 50  | Each |
| et) P/s Aluminium Window handle – 6”                                                                                                 | 50  | Each |
| eu) P/s Hinges of openable window – 14” (Ketchi Hinges)                                                                              | 50  | Each |
| ev) P/s 4” X 4” L for Toilet and Bathroom doors                                                                                      | 50  | Each |
| ew) P/s Tadi patti – 10”                                                                                                             | 50  | Each |
| ex) P/s Tadi patti – 8”                                                                                                              | 50  | Each |
| ey) P/s Pawan kadi – 6”                                                                                                              | 50  | Each |
| ez) P/s Magic Eye Hole for doors – ½ “                                                                                               | 50  | Each |
| fa) P/s Door Chain – 4”                                                                                                              | 50  | Each |
| fb) P/s Mirror – 6mm thick (Size – 0.45 m X 0.50 m)                                                                                  | 50  | Each |
| fc) P/s Mirror Button – 3/4”                                                                                                         | 50  | Each |
| fd) P/s Marine ply wood 6mm thick                                                                                                    | 50  | Sqm  |
| fe) P/s Marine ply wood 12mm thick                                                                                                   | 20  | Sqm  |
| ff) P/s Marine ply wood 18mm thick                                                                                                   | 20  | Sq.m |
| fg) P/s PVC Gasket Lining                                                                                                            | 100 | Rmt  |

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|   | fh) P/s Rubber Lining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 100   | Rmt      |
|   | fi) P/s S.S.304 fly proof mesh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 50    | Sq.m     |
|   | fj) P/s S.S. Aldrop 300mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 25    | Each     |
|   | fk) P/s Aluminium Sliding window Latch 4 "                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 50    | Each     |
|   | fl) P/s Aluminium Sliding window Latch 7 "                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 50    | Each     |
|   | fm) P/s Bearing of Sliding window = 3/4" section                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 50    | Nos.     |
|   | fn) P/s S.S Door Stopper 4" (Rubber type)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 50    | Each     |
|   | fo) P/s Alumimium Sheet – thickness 0.91 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 25    | Sq.m     |
|   | fp) P/s Galvanised Welded mesh 12mm x 12mm and (18 gauge)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 50    | Sq.m     |
|   | fq) P/s Plain Glass – 6mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10    | Sq.m     |
|   | fr) P/s S.S. 6" F Shelf Bracket                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 50    | Per Pair |
|   | fs) P/s SS 18" Kitchen trolley channels                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 10    | Pair     |
|   | ft) P/s SS 20" Kitchen trolley channels                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 10    | Pair     |
|   | fu) P/s SS handles 6" long for Kitchen trolley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 20    | Nos.     |
|   | fv) P/s SS handles 4" long for Kitchen trolley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 20    | Nos.     |
|   | fw) P/s SS 304 curtain rod 25 mm dia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 50    | Rmt      |
|   | fx) P/s SS 304 curtain rod brackets                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 100   | Pair     |
|   | fy) P/s 37mm x 12mm teakwood bedding patti                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 50    | Rmt      |
|   | fz) P/s 50mm x 25mm teakwood bedding patti                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 50    | Rmt      |
|   | ga) P/s Magnetic catcher triple strip vertical type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 100   | Each     |
| 3 | Providing and fixing Orrisa type white glazed earthenware 580mm x 440 mm water closet pan of approved make and brand (Cera, Hindware or equivalent) including trap, cast iron soil and vent pipes upto the outside face of the wall including 100mm. diameter cast iron plug bend, cement concrete bedding, 10 litres capacity H.D.P.E. approved flushing cistern with fittings, inlet pipe with brass stop tap(Cico), brackets, 32mm. diameter galvanised iron heavy type flush pipe with fittings and clamps, painting to the exposed pipes and cutting and making good the walls and floors etc. complete. (excluding waterproof brick bat coba)<br>(Labours from item no.1 will not be utilised for this item of work)                                                                                          | 10    | Nos.     |
| 4 | Providing and fixing European type white glazed earthenware 580mm water closet pan of approved make and brand (Cera, Hindware or equivalent) with PVC seat and lid with chromium plated brass hinges and rubber buffers including cast iron soil and vent pipes upto the outside face of wall and 100mm. diameter cast iron plug bend, 10 litres approved low level white PVC flushing cistern with all fittings, pipes and stop tap, brackets for fixing the low level flushing cistern, 32mm dia galvanised iron / PVC heavy type flush pipe with fittings and clamps, 20mm dia. PVC galvanised iron overflow pipe with mosquito proof coupling, and exposed pipes and cutting and making good walls and floors etc. complete as directed.<br>(Labours from item no.1 will not be utilised for this item of work) | 10    | Nos.     |
| 5 | Removing existing waterproofing treatment from the WC up to the mother slab including flooring tiles, plaster etc. of any thickness without damages to structure using electrically operated cutting tools, leveling and cleaning the surface for providing new specialist waterproofing treatment, including lowering down the debris and stacking the same at a distance of 50mtr etc. all complete as directed.<br>(Labours from item no.1 will not be utilised for this item of work)                                                                                                                                                                                                                                                                                                                           | 10.00 | Cum      |
| 6 | Providing waterproof plaster in w. c. bath, 20mm thick for dado at any floor in cement mortar 1:3 with neat finishing, floating using waterproofing compound at the rate of 1 kg per bag of cement of approved make and manufacturer and curing etc. Complete.<br>(Labours from item no.1 will not be utilised for this item of work)                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 40.00 | Sqm      |

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| 7  | Providing waterproofing in W.C. and bath including brickbat coba in all position at any floor including all lead ,lifts including providing and laying 12mm bedding in cement mortar 1:3 on concrete slab & on sides of sunken portion with waterproofing compound @ 1kg/per bag of cement & laying brick bat coba of required thickness in cement mortar 1:5 with waterproofing compound 1 kg/bag of cement grouting and finishing the top layer with 20mm thick brick bedding in cement mortar 1:3 with waterproofing compound 1 kg/per bag of cement and testing the treated portion for 48 hours by pond test and covering and providing 10 years guarantee on requisite stamp paper etc. Complete.<br>(Labours from item no.1 will not be utilised for this item of work) | 10.00  | Cum |
| 8  | Removing the existing old tiles manually from wall/ dado without damaging brick wall or any adjacent structure surface including removing plaster, levelling the vertical surface, cleaning the site including downloading the debris & stacking the debris upto 50 meters from building (as directed by Engineer Incharge)<br>(Labours from item no.1 will not be utilised for this item of work)                                                                                                                                                                                                                                                                                                                                                                             | 50.00  | sqm |
| 9  | Providing and fixing Ist quality ceramic glazed wall tiles not less than 300 mm x 200 mm conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, including 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.<br>(Labours from item no.1 will not be utilised for this item of work)                                                                                                                                                | 50.00  | Sqm |
| 10 | Providing and laying nonskid ceramic tiles at any floor of Johnson & Johnson /Nitco/ Kajaria/ Orient Bell/ Somani for flooring approved by IITB required <b>size upto 300mm x 300mm</b> quality, brand and shade as available in market on cement mortar 1:4 bedding using white cement pigments finished to levels slope or plumb as required including cutting of tiles. Curing, acid washing etc. all complete.<br>(Labours from item no.1 will not be utilised for this item of work)                                                                                                                                                                                                                                                                                      | 25.00  | sqm |
| 11 | Disposing debris, loose stones, boulders, concrete pieces broken and dry leaves etc. collected and stacked as directed including loading in trucks, transporting out of IIT Campus including obtaining all approval of BMC competant authorities for disposing off on to their approved location. The debris are to be removed from site within 48 hours from stacking (30% voids will be deducted from actual stack measurement/ truck measurement for debris, loose stones, boulders etc.).                                                                                                                                                                                                                                                                                  | 10.00  | cum |
| 12 | Removing excavated earth or debris including loading in trucks and conveying to approved dumping point in IITB campus unloading spreading etc. complete. The debris are to be removed from site within 24 hours from stacking (30% voids will be deducted from actual stack measurement/ truck measurement for debris, loose stones, boulders etc.).                                                                                                                                                                                                                                                                                                                                                                                                                           | 30.00  | cum |
| 13 | Providing and erecting steel tubular H Frame scaffolding with bracing to all height all around the building as directed by engineer in charge before commencement of work for multipurpose use including working platform wherever required, stiffened for all types of work and removing the same after completion of all external work requiring double scaffolding.(payments will be made once irrespective of duration / till completion of all external activity)<br>(Labours from item no.1 will not be utilised for this item of work)                                                                                                                                                                                                                                  | 100.00 | sqm |
| 14 | Excavation for foundation in earth, soil of all types, sand, gravel and soft murem including removing the excavated materials upto a distance of 50 meters beyond the building area and lift upto 1.50 meters, stacking and spreading as directed including dewatering unless provided elsewhere, preparing the bed for the foundation and necessary back filling, ramming, watering complete excluding shoring and strutting.<br>(Labours from item no.1 will not be utilised for this item of work)                                                                                                                                                                                                                                                                          | 10.00  | cum |
| 15 | Providing second class burnt brick masonry at any height & any floor with Conventional / I.S. Type bricks in cement mortar 1:4 in half brick thick wall including mild steel longitudinal reinforcement of 2 bars of 6 mm diameter/2 hoop iron strips 25 mm X 1.6 mm at every third course properly bent and bonded at ends, scaffolding , racking out joints and watering etc. Complete.<br>(Labours from item no.1 will not be utilised for this item of work)                                                                                                                                                                                                                                                                                                               | 10.00  | sqm |

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| 16 | <p>Carefully removing internal or external plaster in patches or any length and at any height without damaging structure or brickwork in the vicinity including scaffolding/ stepladder by using electric cutting tools including cutting a groove first to demarcate exact area of damage taken place and removing with chisel &amp; hammer including stacking the debris with in 50 meter, cleaning the site etc. complete. including using stepladder / working platform for internal plaster wherever required covering the furniture, floor, windows and partitions with plastic sheets</p> <p>Note : a) No extra payment shall be made for extra thickness removed.<br/>b) The area in vertical plane area shall be measured. (Note : For external work steel double scaffolding will be paid in respective item)<br/>(Labours from item no.1 will not be utilised for this item of work)</p> | 50.00   | Sqm     |
| 17 | <p>Providing sand face plaster externally to concrete stone or brick surface at any height using approved screened sand including preparing the base, watering and applying base coat of 15 to 20mm thick in cement mortar 1:4 using water proofing compound at the rate of 1 kilogram per cement bag and curing the same for not less than two days and making the surface of base coat rough to receive the sand faced treatment 8 to 10mm thick in cement mortar 1:4 and finishing the surface by taking out grains and curing for 14 days etc. Complete.(Note : For external work steel double scaffolding will be paid in respective item)<br/>(Labours from item no.1 will not be utilised for this item of work)</p>                                                                                                                                                                         | 50.00   | sqm     |
| 18 | <p>Removing the old cement concrete or any type of tiles from flooring manually at any floor including bedding levelling the surface, cleaning the site including sorting out serviceable tiles and lowering to ground level the debris and stacking it upto a distance of 50 meters from building (as directed by Engineer Incharge)<br/>(Labours from item no.1 will not be utilised for this item of work)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 50.00   | Sqm     |
| 19 | <p>Chipping of unsound/weak external or internal concrete of any thickness material from slabs, beams, columns etc. with manual Chisel including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts, including working platform / stepladder / Scaffolding all complete as per direction of Engineer-In-Charge (Note : For external work steel double scaffolding will be paid in respective item)<br/>(Labours from item no.1 will not be utilised for this item of work)</p>                                                                                                                                                                                                                                                                       | 100.00  | Sqm     |
| 20 | <p>Cleaning of reinforcement from rust from the reinforcing bars to give it a total rust free steel surface by using alkaline chemical rust remover of approved make with paint brush and removing loose particles after 24 hours of its application with wire brush and thoroughly washing with water and allowing it to dry, including working platform / stepladder / Scaffolding all complete as per direction of Engineer-In-Charge. Note- The actual consumption of chemical shall be measured for payment on liter basis . Challans of authorized dealer will be verified (Note : For external work steel double scaffolding will be paid in respective item)<br/>(Labours from item no.1 will not be utilised for this item of work)</p>                                                                                                                                                    | 5.00    | Per lit |
| 21 | <p>Providing and applying an effective bond coat of Epoxy bonding agent manufactured by M/s. Krishna conchem, Dr. Fixit , Roff , Chembond or M.C. Bouchmey and hardner in the proportion of as per manufacture instruction (Base hardner) by using brush in multiples of coat as required to accommodate the whole thickness of PMM wherever required including stepladder/ working platform wherever required on the surface of old concrete/required concrete. Note- The actual consumption of Epoxy bonding coat shall be measured for payment on weight basis . Challans of authorized dealer will be verified (Note : For external work steel double scaffolding will be paid in respective item)<br/>(Labours from item no.1 will not be utilised for this item of work)</p>                                                                                                                  | 5.00    | Kg      |
| 22 | <p>Providing and Placing in position Readymix Polymer mortar manufactured by M/s.Krishna Conchem, Dr.Fixit, Roff or M.C. Bouchmey, Chembond by adding water in the proportion of 1:0.14( Polymer mortar:water) at any floor over the prepared RCC surfaces in layers as directed (thickness of each layer shall not exceed 10 to 15mm ) including mixing the polymer mortar with water using forced action mixer including stepladder/ working platform wherever required mild curing will be done with water for 3 days etc complete.( payment will be paid for the actual quantity of polymer mortar PX used on weight basis.Challans of authorized dealer will be verified)<br/>(Note : For external work steel double scaffolding will be paid in respective item)<br/>(Labours from item no.1 will not be utilised for this item of work)</p>                                                  | 2500.00 | kg      |

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| 23 | <p>Providing and applying an effective bond coat of Polymer (SBR) approved by IITB and cement in the proportion of 1:1 by using brush in multiples coats as required to accommodate the whole thickness of polymer modified mortar wherever required including stepladder/ working platform wherever required on the surface of old concrete / repaired concrete Polymer (SBR) of approved manufacturer should have the following properties: - Suspended solid particles should not be less than 40% . Specific gravity should not be more than 1.01 . PH should not be less than 8.5 Note: The actual consumption of polymer shall be measured for payment on weight basis. Challans of authorized dealer will be verified. (Note : For external work steel double scaffolding will be paid in respective item)</p> <p>(Labours from item no.1 will not be utilised for this item of work)</p> | 20.00 | Kg  |
| 24 | <p>Providing and Placing in position Readymix Plaster manufactured by M/s. A. V. Conchem, Ultra-Tech Cement, Ready Plast, up to 20mm thick in one coat and adding water in the proportion of 1:0.17( Ready Mix Plaster : water) at any floor over the prepared Brick wall, Solid ,Hollow &amp; AAC block work and Concrete RCC surfaces, as directed mixing the Readymix Plaster with water using forced action mixer including step ladder wherever required, mild curing will be done with water for 3-5 days etc complete. ( Invoice of authorized dealer will be verified)</p> <p>(Labours from item no.1 will not be utilised for this item of work)</p>                                                                                                                                                                                                                                    | 50.00 | Sqm |
| 25 | <p>Providing second class burnt brick masonry with conventional / I.S. Type bricks in cement mortar 1:6 in superstructure at any floor and any height including striking joints, racking out joints, watering wherever required etc. complete .(Note : For external work steel double scaffolding will be paid in respective item)</p> <p>(Labours from item no.1 will not be utilised for this item of work)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2.00  | Cum |
| 26 | <p>Providing and fixing 18 mm thick gang saw cut, mirror polished granite , premoulded and prepolished, machine cut for kitchen platforms, vanity counters, doors and windows cladding , sills, shelf, facias and similar locations at any floor of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 fine sand) or in neat cement as required, joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.</p> <p>a) area of slab upto 0.5 m2</p> <p>(Labours from item no.1 will not be utilised for this item of work)</p>                                                                                                                                                                   | 10.00 | Sqm |
| 27 | <p>Providing and laying in situ plain cement concrete <b>M-20</b> of trap metal for foundation and bedding including bailing out water manually, wherever required , formwork, compacting and curing,as directed.</p> <p>(Labours from item no.1 will not be utilised for this item of work)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5.00  | Cum |
| 28 | <p>P/L vitrified tiles for flooring of size not less than 600x600mm (thickness to be specified by the manufacturer) of approved shade and pattern ,with required finish (mirror / Mat ) and decorative type of approved make as available in market <b>Fixing with cement based high polymer modified quick set tile adhesive</b> like fevimate(water based) conforming to IS: 15477, using 5kg adhesive per sqm of tile area, in average 5mm thickness. 'white cement pigments finished to levels slope or plumb as required including cutting of tiles. Curing, acid washing etc. all complete as directed. ( Floor tiles basic cost up to Rs. 70 per sft.)</p> <p>(Labours from item no.1 will not be utilised for this item of work)</p>                                                                                                                                                     | 50.00 | Sqm |
| 29 | <p>Providing dry trap/ rubble stone soling 150mm to 200 cm thick including hand packing and compacting etc complete.</p> <p>(Labours from item no.1 will not be utilised for this item of work)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 10.00 | Cum |

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| 30 | <p>Cleaning the Overhead &amp; Underground water tanks of capacities mentioned below for RCC/Plastic storage water tanks on the roof or underground of buildings by dewatering excess water with portable Electric water pump and/or transferring the water into another tank located near by, before schedule time of cleaning as directed, to ensure minimum wastage of water, then thoroughly cleaning with wire brush / coir brush including cleaning again using water jet cleaner to clean all Algae, sludge and impurity accumulated even in the smallest pores of the water tank. Closing the inlet and outlet water supply line and plugging the outlets inside the tanks with cotton plug and string of Nylon to be tied at fix end. Finally washing the tank with diluted bleaching powder or potassium Permanganate or disinfection of the tank using imported Food Grade Chemical Disinfectant which also has a residual effect, Removing the muddy water and cleaning the bottom surface of tank neatly, removing the plug and opening the inlet valve for filling the tank. Writing the date of cleaning over the existing place by erasing old dates with base coat of plain black enamel paint on the side of tanks and write as "Cleaned on. ...." etc. complete including collecting water sample and testing for potability at IITB testing lab. Contractor should ensure the water supply is regular in quarters, if not, then regularised the water supply by removing air lock if any etc. <b>Each PVC tank or compartment in RCC tank will be measured in this item as per no..</b></p> <p><b>For capacities upto 5,000 litres.</b></p> <p><b>(NOTE:- The Contractor has to make an own arrangement of Power supply from nearest recommended power point as shown by EMD)</b><br/> <b>(Labours from item no.1 will not be utilised for this item of work)</b></p>                          | 64.00 | Per Nos. |
| 31 | <p>Cleaning the Overhead &amp; Underground water tanks of capacities mentioned below for RCC/Plastic storage water tanks on the roof or underground of buildings by dewatering excess water with portable Electric water pump and/or transferring the water into another tank located near by, before schedule time of cleaning as directed, to ensure minimum wastage of water, then thoroughly cleaning with wire brush / coir brush including cleaning again using water jet cleaner to clean all Algae, sludge and impurity accumulated even in the smallest pores of the water tank. Closing the inlet and outlet water supply line and plugging the outlets inside the tanks with cotton plug and string of Nylon to be tied at fix end. Finally washing the tank with diluted bleaching powder or potassium Permanganate or disinfection of the tank using imported Food Grade Chemical Disinfectant which also has a residual effect, Removing the muddy water and cleaning the bottom surface of tank neatly, removing the plug and opening the inlet valve for filling the tank. Writing the date of cleaning over the existing place by erasing old dates with base coat of plain black enamel paint on the side of tanks and write as "Cleaned on. ...." etc. complete including collecting water sample and testing for potability at IITB testing lab. Contractor should ensure the water supply is regular in quarters, if not, then regularised the water supply by removing air lock if any etc. <b>Each PVC tank or compartment in RCC tank will be measured in this item as per no..</b></p> <p><b>For capacities above 5001 litres &amp; upto 10,000 litres.</b></p> <p><b>(NOTE:- The Contractor has to make an own arrangement of Power supply from nearest recommended power point as shown by EMD)</b><br/> <b>(Labours from item no.1 will not be utilised for this item of work)</b></p> | 12.00 | Per Nos. |

#### SPECIAL CONDITIONS

- The worker's pattern mentioned in Item No. 1 – (1 Supervisor, 1 Plumber, 1 Carpenter, 1 Mason and Helpers for each
- I. (i) Plumber, Carpenter & Mason - Total required manpower = 4 Skilled and 3 Unskilled = 7 ) is to be deployed in all the 7 days of a week as and when required as per direction of Engineer In-charge.)
  - If any one of the Seven workers are absent in a particular Day and no substitute is provided, then a Penalty equal to 30% rate of the Item No.1 per day will be deducted from that day's payment and if any Three of the Seven are absent in a day and no substitute is provided, then a Penalty equal to 70% rate of the Item No. 1 per day will be deducted from that day's payment and if any Four out of the Seven workers are absent and no substitute is provided, then a Penalty equal to the full rate of the Item No.1 per day will be deducted against that day's payment.
  - (ii)
  - (iii) If all the Seven workers are absent in a day, then NO payment will be given for that day and an additional penalty equal to 50% rate of the Item No.1 will be recovered from the bill.
  - (iv) Supervisor must ensure that all complaints must be attended by Plumbers, Carpenters & Mason within given time frame and Daily reports to be given to Engineer In-charge and his representative .
  - II. (i) All the complaints related to nonavailability of water due to internal defects, water wastage such as tap / valve leakage, external / internal blockage etc are to be attended and rectified in the same day of receiving complaints and daily reports to be submitted to concerned Engineer- In – charge.
  - (ii) All the complaints / reports required replacement of items are to be attended and completed within 32 hours of receiving the complaint / report.

- (iii) Any delay in attending the complaints beyond the time frame mentioned in Sr. No. II - (i) & (ii) without a valid reason which is beyond the control of the contractor with the arrangements in Item No.1 and convinced by the Engineer In-charge or his representative will be charged with a penalty of Rs.500/- per complaint per day. This penalty is independent of the penalties mentioned in Clause No. I (ii) & (iii).
- III. Scrap/damaged/old material removed from the site to be deposited to Estate store through Engineer In-charge and certificate from Estate store is to be submitted at the time of each running bill and final bill.
- IV. The quantities mentioned against the items of work in the Schedule are provisional and the actual quantities to be executed will be as per the site condition and requirement. Clause No.12 on Page No.17 of Clauses of contract in Tender Document of Indian Institute of Technology Bombay regarding deviation in quantities is not applicable in this contract.

- 1) Note : This schedule of work is given for reference purpose only. Contractors are requested to quote your rates online in financial bid.
- 2) If you will engage labourer 20 or more any day, you have to get labour licence as per contract Regulation & Abolition Act 1970 Rule 1971, and also, you have to keep all such record for inspection to the Principal Employer. If you will engage labour up to 10 Nos. per day, you have to file returns after completion of work as per Building & Construction Act to the Office of Regional Labour Commissioner (Central), Sion, Mumbai.
- 3) This work is to be executed as per the the clauses mentioned in the tender document signed by you. In addition to the existing safety clause of the tender document a penalty of Rs.5,000/- per case will be recovered from the bills of the particular works, in case any such safety violations are noticed.
- 4) 01% amount will be deducted from the bills for safety related measures which will be reimburse along with the final bill.
- 5) Taxes as per government notification time to time.
- 6) Contractor must pay GST Taxes to concern authority within 30 days time limit after receipt of payment from IIT Bombay & said record must be submitted to IIT Bombay Accounts Section, otherwise action will be taken as deemed fit.
- 7) If any malpractices / fraud / negligent professional behaviour or any discrepancy / inconsistency / disparity / deviation / disagreement / dissimilarity / mismatch noticed, their contract will be terminated by issuing one month notice by following legal procedure and will be blacklisted and informed to all Government Authorities and Organisations.

Superintending Engineer (I/C)

*[Handwritten signature]*  
30/7