



INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY  
ESTATE OFFICE, POWAI, MUMBAI, MAHARASHTRA – 400 076  
TEL. 022 2576 4995 E-mail : 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.) Incl. 18% GST | EMD (Rs.)   | Time Limit | RFX No.    |
|---------|--|---------------------------------------|-------------|------------|------------|
| 1.      | Balance External repairs and Painting of Vihar House Building at Hillside area.<br>EO/A/HILLSIDE/WKS-153/23-24 | Rs.45,88,187/-                        | Rs.91,000/- | 03 months  | 6100001703 |

Intending bidders needs to be register themselves on IIT Bombay portal i.e. <https://portal.iitb.ac.in/vrp/index.jsp> to get User ID and Password. **View the open tender on <https://ep.iitb.ac.in/irj/portal> 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.** Queries regarding to vendor registration please contact on 022 – 2159 3001(ASC Help-desk) and queries regarding to online Bid submission please contact to +91 82915 56277/6377.

Date and time of submission of tender documents digitally are from 28.03.2024 to 10.04.2024 till 11:15 a.m.Date of opening of **Technical Bid will be 10.04.2024 at 11.30 a.m. and and Financial Bid 17.04.2024 (Tentative)**

Interested contractors/agencies are requested to upload Technical bid and Financial bid on the SRM tendering portal of IIT Bombay.

**(A) All contractors/agencies** should upload technical bid with the following documents on SRM tendering portal, 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 60% 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.  
AND  
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) Detail statement for work completed, work in hand including balance commitment of work should be enclosed for last three year commencing from 1<sup>st</sup> April and ended with 31<sup>st</sup> March and contractor should submit 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, and no Financial Bid will be opened. (All contractors/agencies are hereby informed that they should upload Technical bid as per format of Annexure "A", changing in format is not allowed).
- 3) Upload a scan 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**.
- 4) Bank Solvency certificate 40% of estimated amount issued within one year from any Nationalized / Schedule Bank from the date of publishing of Tender.
- 5) P. F. registration certificate.
- 6) P. F. challans of last 12months.
- 7) (i) ESIC registration certificate and copies of ESIC challans of last 12months.  
OR  
(ii) Contractors' all risks insurance (CAR policy) / Mediclaim policy.
- 8) PAN card.
- 9) GST registration certificate.
- 10) Income Tax Return for last 03 years i.e. of 2020-21, 2021-22 and 2022-23.
- 11) List of Equipment's, Machinery, Tools.
- 12) List of Technical Staff with copies of their Degree/diploma certificate.
- 13) Labour Licence obtained during in **03 years**.

- 14) The contractors who were empanelled under Estate Office under (2018-23) list need not have to upload Demand Draft. The contractors other than empanel list that are applying for tender need to upload a scan copy of Demand Draft / Pay Order for Rs.91,000/-(EMD amount) drawn in favour of "The Registrar, IIT Bombay" on online Tendering Portal.
- 15) Power of Attorney, if any.
- 16) 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.

**Note:**

**Those contractors who do not have documents mentioned above from Sr. No. 1 to 16 need not apply as it is mandatory documents to qualify in technical bids.**

Upload all your relevant documents in the serial order mentioned above. It is **advisable** not to make more than **03 folders of 5MB** while uploading documents.

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. (All agencies are requested to upload a scan copy of Terms and Conditions with official signature and seal/stamp on SRM online tendering portal)

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

If agency fails to submit the above mentioned documents by uploading to the online portal, their technical bid may be rejected.

Litigation history of the agency is required to be uploaded along with the application. Tender would not be awarded if any inquiry proceeding / criminal case is found pending against the agency.

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.

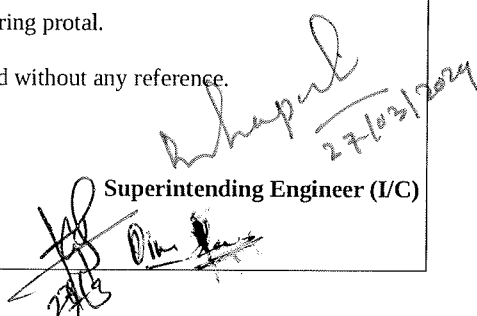
Contractor's/Agencies/Proprietor's are requested to give Power of Attorney to your representative to deal any matter with any Officers or Staff of IIT Bombay on behalf of you or your agency.

Rates of an estimate are based on CPWD DSR 2021, rate analysis & Ongoing market rates.

The contractor have to quote his own rates online against each item of work and need to select **N5 tax code** thereafter.

Scan and upload all the above mentioned documents in "**C folder**" of online SRM tendering portal.

IIT Bombay reserve its rights to reject any or all tenders without assigning any reason and without any reference.

  
Superintending Engineer (I/C)

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

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

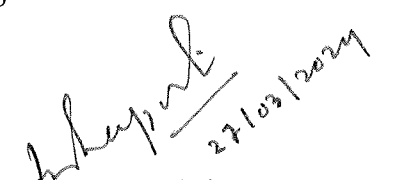
File No. : EO/A/HILLSIDE/WKS-153/23-24

Name of Work : Balance External repairs & painting of Vihar House building at Hillside Area.

Name of the Contractor -----

| Sr. No.                    | Name of Client | Name of Works | 2020-21<br>(In Lakhs) | 2021-2022<br>(In Lakhs) | 2022-2023<br>(In Lakhs) | 2023-2024<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

**WORK UNDERTAKING**

EO/A/HILLSIDE/WKS-153/23-24

ESTATE OFFICE

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

Sub : Balance External repairs & painting of Vihar House building at Hillside Area.

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 03 months as mentioned in the notice inviting for short tenders.

The following information is required to be provided. If fails to do so, the tender will be assumed incomplete and hence the same will be rejected.

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.

1) No. of Unskilled casual labour to be required per day. : .....

2) No. of Skilled casual labour to be required per day. : .....

.....

The Mandays required for completion of work. : .....

Thanking you,

Yours faithfully,

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

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

EO/A/HILLSIDE/WKS-153/23-24

ESTATE OFFICE

Name of Work :- Balance External repair and painting of Vihar House building at Hillside area.

SCHEDULE OF WORK

| Sr. No. | Description of Work  | Qty. | Unit |
|---------|--|------|------|
| 1       | <p>Removing the existing cement plaster of any thickness without causing dust nuisance and stacking the debris upto a distance of 50 meters or spreading in the compound including covering the windows with plywood as required and cleaning the site etc complete</p> <p><b>Note:-</b> 1)Removal external plaster at any height in patch work manner wherever damaged/cracked/ leakage found.<br/>2) Scaffolding will be paid separately under respective items.</p>   | 500  | Sqm  |
| 2       | <p>Exposing the existing damaged RCC members like columns, beams, slabs, chajjas, paradi, fins etc in patches or any length by using electrical cutting tools up to any depth till the corroded reinforcement will be opened allround without damaging brickwork, plaster in the vicinity, cleaning, stacking the debris with in 50 meter, cleaning the site etc. complete, including covering the windows with plywood while exposing concrete</p> <p>Note :- Proper tools to be used for removal of concrete.<br/>The exposed damage concrete area shall be measured for the payment of this item.</p>   | 200  | Sqm  |
| 3       | <p>Old reinforcement treatment providing and applying reinforcement treatment, comprising of following operations.<br/>Cleaning the reinforcement from all sides by using wire brush, tools etc.<br/>Application of rust converter such as Alkaline base(Rust kill A) as per manufacturers specification, cleaning as directed</p> <p>Actual consumption of Alkaline base converter shall be measured for payment on weight basis. Invoice of authorized dealer will be verified.<br/>The chemical to be procured in sealed container &amp; seal to be opened in presence of the IITB representatives.</p> | 20   | Kg   |

|   |   |      |     |
|---|---|------|-----|
| 4 | <p>Providing and applying an effective bond coat of Polymer (SBR) Stuco latex of structural waterproofing (Cicco)/ Resicon 400, and cement in the proportion of 1:1 by using brush in multiples of coat as required to accommodate the whole thickness of PMM wherever required on the surface of old concrete Polymer (SBR) of approved manufacturer should have the following properties: Suspended solid particles should not be less than 40%.<br/> Specific gravity should not be more than 1.01<br/> PH should not be less than 8.5<br/> Note: The actual consumption of polymer shall be measured for payment on weight basis. Invoice of authorized dealer will be verified.<br/> The chemical to be procured in sealed container &amp; seal to be opened in presence of the IITB representatives</p>   | 80   | Kg  |
| 5 | <p>Providing and Placing in position readymix polymer mortar manufacture by Dr. Fixit, Sunanda, Roff, MC Bouchmey, Chembond and approved and adding water in the proportion of 1:0.14 (polymer mortar : water) in prepared grooves / cracks of the concrete court in layers as directed including mixing the polymer mortar with water using forced action mixer mild curing with water for 3 days etc. Complete. (Payment will be paid for the actual quantity of polymer mortar used on weight basis. Invoice of authorised Dealer will be verified etc all complete as directed by Estate office).</p>   | 7500 | Kg  |
| 6 | <p><b>Apply external waterproof plaster using factory made ready mix polymer cement mortar plaster.</b></p> <p>1) Providing and rendering the prepared surfaces with new sand faced cement plaster of minimum 20mm thick in two coats by using factory made ready mix polymer modified cement plaster waterproofing plaster of approved make.<br/> 2) The base coat of minimum 12mm thick using above ready mixed polymer modified mortar plaster to proper plumb level &amp; line including making the plaster surface rough ( all as per the manufacturer's specification ) to receive the top finish coat<br/> 3)Applying top/finish coat plaster of minimum 8mm thickness with similar ready mix polymer cement mortar plaster finishing in perfect plumb. Line &amp; level so as to obtain fine sand grain finish by using branded approved variety sponge or using machnised devise including adding additional required quantity of cement for managing richer mix preferable ordinary portland cement 43 grade variety of approved brand at no extra cost. Doing regular curing for minimum 7 days.</p> | 500  | Sqm |

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|---|---|----------|----------|
| 7 | <p>Cutting &amp; treating the cracks up to 3mm width, with a Single pack ready-to use fiber glass reinforced crack filling compound Asian SmartCare Crack Seal or approved equivalent for both interior and exterior surfaces, CrackSeal shall have high elongation film that accommodates movement, reinforced with glass fibers for superior mechanical strength. It shall have Water resistant film, stops water ingress through cracks. Adhesion shall be very strong on all absorbent surfaces like plaster, wood, gypsum, POP, asbestos, etc. It shall be easily over coated by emulsion paints. Crack Seal shall be a water based and shall not be flammable. ✓</p>  | 300<br>✓ | Rmt<br>✓ |
| 8 | <p>Cutting, demarcating grooves at any height with electrically operated cutter machine between sound and unsound plaster, cracks on external wall, separation cracks etc. complete.<br/><b>Note:-</b> 1)Cutting, demarcating grooves at any height in patch work manner wherever damaged/cracked/ leakage found. 2) Scaffolding will be paid separately under respective items. ✓</p>  | 100<br>✓ | Rmt<br>✓ |
| 9 | <p>Providing and filling separation crack of 75mm width and 25mm deep with polymer modified cementitious mortar.<br/>a) Demarcating groove, removing plaster / concrete carefully, washing with potable water.<br/>b) Filling polymer modified cementitious mortar in layers of 20mm thick (applying bond coat at every layer) upto profile of concrete in vicinity (composition of mortar: cement 1Kg.: polymer (SBR) of approved manufacturer 15% by wt. of cement : 3Kg silica sand (grading IS 383, zone II, silt content = 0% ) over a polymer + cement bond coat including cleaning, finishing to match the plaster in vicinity, disposing of debris anywhere in IITB campus, cleaning as directed etc. complete.<br/>c) Proportion<br/>d) Bond coat<br/>e) SBR polymer + cement in the ratio 1:1 by volume<br/>f) Polymer modified cementitious mortar<br/>g) SBR polymer 150ml.<br/>h) Cement 1 Kg.<br/>i) Silica sand 3.0 kg.<br/>(Note:-1) Demarcating groove, breaking plaster / concrete shall be paid under respective items). 2) crack filling at any height in patch work manner wherever damaged/cracked/ leakage found. 3) Scaffolding will be paid separately under respective items. ✓</p> | 100<br>✓ | Rmt<br>✓ |

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| 10 | Dismantling plain cement concrete work including breaking concrete by chiseling, wedging etc., stacking the serviceable materials and stacking the debris upto a distance of 50 meters or spreading as directed.   | 1   | Cum |
| 11 | Providing and casting in situ plain cement concrete M-20 of trap metal for coping to terrace parapet wall rounded or chamfered including centering formwork, compacting, finishing the exposed faces roughening the surface for plastering and curing complete.  | 1   | Cum |
| 12 | Providing and laying water proofing cement concrete flooring to terrace to average 50mm thick with 1:1.5:3 cement concrete laid to proper level and slope using river sand including compaction, adding recommended waterproofing admixtures @ 2% by weight of including china chips, cement, testing the roof by ponding with water for 28 days.  | 200 | Sqm |
| 13 | Removing the existing loose and damaged brickbat coba waterproofing treatment/finishes as IPS/ tiling/ side plaster from the terrace up to any thickness with out making any damages to the slab with the use of sharp chisels, levelling and cleaning the surface including lowering down debris and stacking the debris upto a distance of 50 meters or spreading as directed. etc. all complete.  | 5   | Cum |
| 14 | Providing waterproofing of terrace including brick bat coba in all position including providing and laying 12mm bedding in cement mortar 1:3 on vergin concrete slab with waterproofing compound @ 1 Kg/per bag of cement laying brick bat coba of required thickness in cm 1:5 with waterproofing compound 1Kg/bag of cement grouting and finishing the top layer with 20mm thick brick bedding in cm mortar 1:3 with waterproofing compound 1Kg/per bag of cement and testing the treated portion for 48 hours by pond test. | 5   | Cum |
| 15 | Removing the loose/damaged cement concrete top layer/IPS layer manually /by mechanical means without damages/ disturbing to slab/ beam,column/ any RCC members/ Structural including disposing of material within 50 meter lead as per the direction of Engineer-in-charge (throwing down the material from terrace will not be allowed)   | 310 | Sqm |



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|----|--|------|-----|
| 16 | Removing any kind debris including loading in truck and conveying to dumping point approved by BMC, unloading spreading etc, complete with all leads and lifts. 30% voids will be deducted in case of truck/stock measurements.(The debris /boulders /excavated stuff/surplus material to be taken away and permission from the Executive Engineer(SWM) is required to be obtained for dumping the debris in MCGM approved dumping ground before commencement of work.   | 60   | Cum |
| 17 | Providing erecting and dismantling (after completion of all related work) H frame or double bamboo scaffold with verticals @ 1.2 to 1.8m inner as well outer faces and horizontal and braces. The scaffolding should have strutted diagonally to prevent from buckling under the weight of men and materials, at comfort levels for the men to work which is 6" to 9" away from the wall ( Mode of measurement for scaffolding will be elevational area )  | 5000 | Sqm |
| 18 | Providing and laying super fluid micro concrete of IITB approved manufacturer at any floor for exposed RCC structural members after reinforcement treatment including providing and fixing marine plywood formwork in line and level, cleaning, curing etc. complete. ( Reinforcement treatment coat shall be paid under respective item) (Consumption of weight of super fluid micro concrete powder shall be measured for payment Invoice of authorized dealer will be verified.)  | 2500 | Kg  |
| 19 | Providing and fixing in position steel TMT bar reinforcement grade Fe-500D of various diameters for slabs, beams, columns, chajjas, lintels, pardies, etc. as per by Engineer Incharge including cutting, bending, hooking the bars, cost of welding rod for welding to existing reinforcement and supporting as required complete.  | 100  | Kg  |
| 20 | Providing and fixing C.P. teak sizes as per existing frames wood frame for doors/ventilators/windows,etc including all mouldings rebating holdfasts and finishing including 1 coat of cold tar to be backside of members in fixing MS hold fast as per site requirement with screws and 2 coats of SEP over a one coat of primer etc. complete. Mode of measurement will be finished size of teakwood. Contractor will be allowed to take away old frame and for which 5% deduction will be made of schedule rate of this item.<br>Note: Sample testing to be carried out from each lot as per IS requirement before commencement of work at contractor's risk and cost. | 0.50 | Cum |

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| 21 | <p>Providing and fixing teakwood fully glazed single / double leaf windows / ventilators rectangular in shape adopting section of 70mm x 32mm for styles and rails as per existing pattern including providing and fixing 5mm thick plain / bajiri glass with teakwood beading, fixing the window / ventilator shutters with 75mm size brass butt hinges 2 Nos. for each shutter, aluminium towerbolt 100mm size one for each shutter, aluminium handle 125mm one for each shutter or as per site requirement, of classic/Archies make hooks &amp; eyes 200mm one for each shutter, etc. including 2 coats of SEP over a one coat of primer etc. complete.</p> <p>Contractor will be allowed to take away old frame and for which 5% deduction will be made of schedule rate of this item.</p> <p>Note : Sample testing to be carried out from each lot as per IS requirement before commencement of work at contractor's risk and cost.</p> | 30  | Sqm |
| 22 | <p>Providing and laying in situ plain cement concrete M-20 having proportion not less than 1:1.5:3 with minimum cement content of 360kg/cum as per IS 456-2000 for foundation and bedding, coping of walls etc. The rates shall includes bailing out water manually centering shuttering compacting by vibrator and curing etc., complete.</p>   | 2   | Cum |
| 23 | <p>Laying dry trap/ rubble stone soling of 230mm size thickness including hand packing and compacting using IITB stone including breaking and making/cutting stone/boulders in required size, lead and lift from any where in the campus etc. complete.</p>  | 3   | Cum |
| 24 | <p>Providing and applying white cement based putty with adequate water resistance on exterior walls of average thickness of 1mm-1.5mm in two coats of approved brand and manufacturer, over the RCC/plastered surface to make even and smooth finish complete.</p> <p>Note: scaffolding cost will be paid seperately.</p>  | 500 | Sqm |
| 25 | <p>Providing and applying two coats of acrylic oil-bound distemper of IITB approved manufacturer &amp; quality colour and shade as per product specification on old/new surfaces including removing the old peeled off neeru finish /pop/ existing luster paint / water proofing cement paint/wall paper by scapping, sand papering and preparing the surface smooth, necessary repairs to scratches including step ladder etc complete</p>  | 900 | Sqm |

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| 26 | <p>Providing and applying two coats of Acrylic exterior paint of IITB approved brand, colour and shade including exterior primer to the plastered surface as per manufacturers specification including preparing the surface etc, complete ✓</p>  | 7600<br>✓ | Sqm<br>✓ |
| 27 | <p>Providing and applying one priming coat to wood and wood based surface etc including preparing the surface by thoroughly cleaning oil, grease, dirt, and other foreign matter with wire brushing, fine fire steel wool, and sand paper as per manufacture specification step ladder etc. Complete.<br/>(Note:- Contractors have to procure the paint materials in sealed containers. Containers will be opened in presence of IIT representative.<br/>Spilling over paint on other areas externally as well as internally such as wall, floor furniture's etc are not allowed. If it occurs, it has to be cleaned by contractors completely at his own cost.)</p>  | 330<br>✓  | Sqm<br>✓ |
| 28 | <p>Providing and applying one priming coat to over steel and other metal surfaces etc including preparing the surface by thoroughly cleaning oil, grease, dirt, and other foreign matter with wire brushing, fine fire steel wool, and sand paper etc. Complete.<br/>(Note:- Contractors have to procure the paint materials in sealed containers. Containers will be opened in presence of IIT representative.<br/>Spilling over paint on other areas externally as well as internally such as wall, floor furniture's etc are not allowed. If it occurs, it has to be cleaned by contractors completely at his own cost.)</p>   | 220<br>✓  | Sqm<br>✓ |
| 29 | <p>Providing and applying two coats of synthetic enamel paint of approved colour to new/old structural steel work and wood work in buildings including cleaning and preparing surfaces by solvent, degreasing and derusting by manual scrapping/mechanically by sand blasting/shot blasting flame cleaning/by chemical methods etc. Complete.<br/>(Note:- Contractors have to procure the paint materials in sealed containers. Container will be opened in presence of IIT representative.<br/>Spilling over paint on other areas externally as well as internally such as wall, floor furniture's etc are not allowed. If it occurs, it has to be cleaned by contractors completely at his own cost.)</p> | 550<br>✓  | Sqm<br>✓ |

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| 30 | <p>Providing and fixing C-Class G.I. pipes 40mm internal diameter heavy type weight and outer dia,as per IS requirement and embossed at every meter as ISI mark and name of the manufacturer Like, Tata/ Jindal/ Zenith etc. to walls, ceilings,etc. with screwed sockets, backnuts, elbows, tees, reducers, enlargers, plugs, clamps etc. projecting 50mm from face of wall and fixing on wall by means of galvanised bracket of 30 x 5mm plate and 8mm square rod with G.I. clamp with washer including necessary drilling in holes in walls / slabs etc, and remaking good the demolished portion to restore the same in original condition neatly and applying metal primer and two coats of SEP including removing the existing pipe,if available and contractor will be allowed to take away old pipe and for which 5% deduction will be made of schedule rate of this item .</p> | 390 | Rmt |
| 31 | <p>Providing and fixing C-Class G.I. pipes 32mm internal diameter heavy type weight and outer dia,as per IS requirement and embossed at every meter as ISI mark and name of the manufacturer Like, Tata/ Jindal/ Zenith etc. to walls, ceilings,etc. with screwed sockets, backnuts, elbows, tees, reducers, enlargers, plugs, clamps etc. projecting 50mm from face of wall and fixing on wall by means of galvanised bracket of 30 x 5mm plate and 8mm square rod with G.I. clamp with washer including necessary drilling in holes in walls / slabs etc, and remaking good the demolished portion to restore the same in original condition neatly and applying metal primer and two coats of SEP including removing the existing pipe,if available and contractor will be allowed to take away old pipe and for which 5% deduction will be made of schedule rate of this item .</p> | 50  | Rmt |
| 32 | <p>Providing and fixing C-Class G.I. pipes 25mm internal diameter heavy type weight and outer dia,as per IS requirement and embossed at every meter as ISI mark and name of the manufacturer Like, Tata/ Jindal/ Zenith etc. to walls, ceilings,etc. with screwed sockets, backnuts, elbows, tees, reducers, enlargers, plugs, clamps etc. projecting 50mm from face of wall and fixing on wall by means of galvanised bracket of 30 x 5mm plate and 8mm square rod with G.I. clamp with washer including necessary drilling in holes in walls / slabs etc, and remaking good the demolished portion to restore the same in original condition neatly and applying metal primer and two coats of SEP including removing the existing pipe,if available and contractor will be allowed to take away old pipe and for which 5% deduction will be made of schedule rate of this item .</p> | 340 | Rmt |

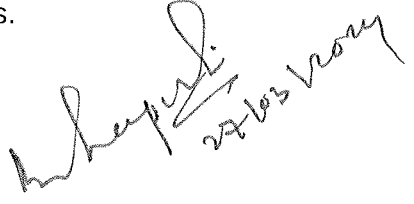
|    |  |     |         |
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| 33 | <p>Providing and fixing C- Class G.I. pipes 20mm internal diameter heavy type weight and outer dia,as per IS requirement and embossed at every meter as ISI mark and name of the manufacturer Like, Tata/ Jindal/ Zenith etc. to walls, ceilings,etc. with screwed sockets, backnuts, elbows, tees, reducers, enlargers, plugs, clamps etc. projecting 50mm from face of wall and fixing on wall by means of galvanised bracket of 30 x 5mm plate and 8mm square rod with G.I. clamp with washer including necessary drilling in holes in walls / slabs etc, and remaking good the demolished portion to restore the same in original condition neatly and applying metal primer and two coats of SEP including removing the existing pipe, if available and contractor will be allowed to take away old pipe and for which 5% deduction will be made of schedule rate of this item</p>          | 340 | Rmt     |
| 34 | <p>Providing and fixing C-Class G.I. pipes 15mm internal diameter heavy type weight and outer dia ,as per IS requirement and embossed at every meter as ISI mark and name of the manufacturer Like, Tata/ Jindal/ Zenith etc. to walls, ceilings,etc. with screwed sockets, backnuts, elbows, tees, reducers, enlargers, plugs, clamps etc. projecting 50mm from face of wall and fixing on wall by means of galvanised bracket of 30 x 5mm plate and 8mm square rod with G.I. clamp with washer including necessary drilling in holes in walls / slabs etc, and remaking good the demolished portion to restore the same in original condition neatly and applying metal primer and two coats of SEP painting including removing the existing pipe, if available and contractor will be allowed to take away old pipe and for which 5% deduction will be made of schedule rate of this item</p> | 50  | Rmt     |
| 35 | <p>Providing and fixing 40 mm dia (n.b) gun metal UTAM make heavy gate valve bearing IS marks including necessary fixtures and fittings such as sockets, union etc. as required and fixing in proper position all complete. contractor will be allowed to take away old gate valve if available and for which 5% deduction will be made of schedule rate of this item. Etc. complete.</p>  | 8   | per No. |
| 36 | <p>Providing and fixing 32 mm dia (n.b) gun metal UTAM make heavy gate valve bearing IS marks including necessary fixtures and fittings such as sockets, union etc. as required and fixing in proper position all complete. contractor will be allowed to take away old gate valve if available and for which 5% deduction will be made of schedule rate of this item. Etc. complete.</p>  | 2   | per No. |

|    |   |          |              |
|----|---|----------|--------------|
| 37 | <p>Providing and fixing 25 mm dia (n.b) gun metal UTAM make heavy gate valve bearing IS marks including necessary fixtures and fittings such as sockets, union etc. as required and fixing in proper position all complete. contractor will be allowed to take away old gate valve if available and for which 5% deduction will be made of schedule rate of this item. Etc. complete.</p>   | 24<br>✓  | per No.<br>✓ |
| 38 | <p>Providing and fixing 20 mm dia (n.b) gun metal UTAM make heavy gate valve bearing IS marks including necessary fixtures and fittings such as sockets, union etc. as required and fixing in proper position all complete. contractor will be allowed to take away old gate valve if available and for which 5% deduction will be made of schedule rate of this item. Etc. complete.</p>   | 46<br>✓  | per No.<br>✓ |
| 39 | <p>Providing and fixing ISI-1729-2002 grade 75mm dia. ISI make NECO/ ALCO cast iron waste water pipe with lugs necessary fittings such as bends, tees, single junctions, double junctions, slotted vent, offsets on walls or into the ground including filling joints with cement mortar 1:2 proportion fixing on wall by means by galvanised bracket of 30 x 5mm plate and 8mm square rod with G.I. clamp with washer projecting 50mm from face of wall and painting the exposed faces with one coat zinc primer and two coats of anti corrosive paint Including removing the existing AC/CI/PVC pipe if available contractor will be allowed to take away old pipes and for which 5% deduction will be made of schedule rate of this item etc.</p>  | 100<br>✓ | Rmt<br>✓     |
| 40 | <p>Providing and fixing ISI-1729-2002 grade 100mm dia. ISI make NECO/ ALCO cast iron waste water pipe with lugs necessary fittings such as bends, tees, single junctions, double junctions, slotted vent, offsets on walls or into the ground including filling joints with cement mortar 1:2 proportion fixing on wall by means by galvanised bracket of 30 x 5mm plate and 8mm square rod with G.I. clamp with washer projecting 50mm from face of wall and painting the exposed faces with one coat zinc primer and two coats of anti corrosive paint Including removing the existing AC/CI/PVC pipe if available contractor will be allowed to take away old pipes and for which 5% deduction will be made of schedule rate of this item etc.</p> | 100<br>✓ | Rmt<br>✓     |

|    |  |     |     |
|----|--|-----|-----|
| 41 | <p>Providing and applying Dr. Fixit Raincoat two coats + one coats prime seal as per manufacture's specification on plastered surface including cleaning the surface thoroughly, in different colour shade for different locations as directed by Engineer in charge etc. complete including covering, window glass with plastic sheet etc</p> <p><b>Method of Application</b></p> <p>1) Use Raincoat directly from the container. Stir contents well before use.</p> <p>2) Apply two neat coats of Raincoat without dilution by brush or roller at a time interval of 5-6 hours.</p> <p>3) For enhanced protection, apply additional coat of Raincoat on rain lashing walls, chajjas and parapet walls.</p> <p>4) Allow the coated surface to air cure fully for 7 days.</p> <p style="text-align: right;">Covering Guarantee</p> <p>period for 3 monsoon on requisite stamp paper.</p> | 100 | Sqm |
|----|--|-----|-----|

**Note: Contractor will strictly adhere to all safety and quality guidelines of work. Each safety violation from contractor side will be penalised for 5000/- Rupees.**

- 1) 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)  
