



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.	Providing & applying waterproofing treatments at Hostel No. 12,13,14,17, staff Hostel and SAC. EO/A/HOSTEL/WKS-174/24-25	Rs.52,81,114/-	Rs 1,05,000/-	03 Calendar months	6100002023

Intending bidders need to 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 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 24.01.2025 to 05.02.2025 till 11:15 a.m. Date of opening of **Technical Bid will be 05.02.2025 at 11.30 a.m. and Financial Bid 12.02.2025 (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 **completed works** costing not less than the amount equal to 40% of estimated cost put to tender,
 OR
 Two **completed works**, costing not less than the amount equal to 60% of the estimated cost put to tender
 Or
 One **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 1st April and ended with 31st 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 **2021-22, 2022-23 and 2023-24**.
- 11) List of Equipment's, Machinery, Tools.
- 12) List of Technical Staff with copies of their Degree/diploma certificate.
- 13) Labour Licence obtained during last 03 years

- Note:**

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 and Ongoing Market rate & rate analysis.

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.

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.

Superintending Engineer (I/C)

Oil

TO BE UPLOADED ON SRM TENDERING PORTAL WITH FINANCIAL BID

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

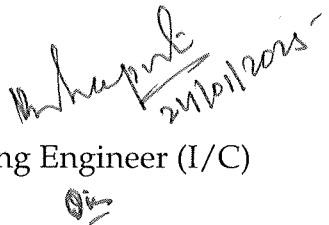
File No. : EO/A/HOSTEL/WKS-174/24-25

Name of Work : Providing and applying waterproofing treatment at Hostel No.12, 13, 14, 17, Staff Hostel & SAC.

Name of the Contractor -----

Sr. No.	Name of Client	Name of Works	2021-22 (In Lakhs)	2022-2023 (In Lakhs)	2023-2024 (In Lakhs)	2024-2025 (In Lakhs)	
						Completed	Balance
			-	-	-	-	-
			-	-	-	-	-
Total Amount (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/HOSTEL/WKS-174/24-25

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

Sub : Providing and applying waterproofing treatment at Hostel No.12, 13, 14, 17, Staff Hostel & SAC.

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 Calendar Months 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 – 400076

EO/A/HOSTEL/WKS-174/24-25

ESTATE OFFICE

Name of work :-Providing and applying waterproofing treatments at Hostel No.12, 13, 14, 17, Staff Hostel & SAC.

Schedule of work			
Sr. No.	Description of work	Qty.	Unit
1	Dismantling plain cement concrete work including breaking concrete by chiseling, wedging & stacking the debris at suitable location for taking out side IIT campus including scaffolding etc all complete as directed by Engineer Incharge.	5.00	Cum
2	Pulling down burnt brick masonry (in cement mortar) with plaster including sorting out serviceable bricks and stacking the same at suitable location as directed and disposing/stacking the debris at suitable location for taking away out of IIT campus including scaffolding etc. all complete as directed by Engineer Incharge.	25.00	Cum
3	Removing the old & damaged cement concrete or any type of tiles / china mosaic tiles from floor / terrace / wall carefully including levelling the surface, cleaning the site & stacking the debris at suitable location for taking out side IIT campus including scaffolding etc all complete as directed by Engineer Incharge.	870.00	Sqm
4	Removing the existing damaged cement plaster of any thickness without causing dust nuisance and stacking the debris at suitable location for taking out side IIT campus and cleaning the site including scaffolding etc. all complete as directed by Engineer In-charge.	550.00	Sqm
5	Removing the existing loose and damaged brickbat coba waterproofing treatment from toilet block, terrace & balcony up to any thickness with out making any damages to the roof slab with the use of sharp chisels, levelling and cleaning the roof surface for providing new specialised waterproofing treatment, lowering down debris without causing dust nuisance and stacking the debris at suitable location for taking out side IIT campus etc. all complete as directed by Engineer In-charge.	15.00	Cum
6	Exposing the existing damaged RCC members like columns, beams, slabs, chajjas, paradis, fins, staircase etc in patches or any length by using electrical cutting tools/manual means up to any depth till the corroded reinforcement will be opened allround without damaging brickwork, plaster in the vicinity, cleaning, stacking the debris at suitable location for taking out side IIT campus, cleaning the site etc.all complete as directed by Engineer In charge, including covering the furniture with plastic sheet while exposing concrete including scaffolding/ step ladder. Note: Proper tools to be used for removal of concrete.	40.00	Sqm
7	Old reinforcement treatment providing and applying reinforcement treatment, comprising of following operations. · Cleaning the reinforcement from all sides by using wire brush, tools etc. · Application of rust converter such as Alkaline base as per manufacturers specification, cleaning including scaffolding etc. all complete as directed by Engineer In-charge. · Actual consumption of Alkaline base converter shall be measured for payment on weight basis. Challans of authorised dealer will be verified.	8.00	Kg.

8	Providing and applying an effective bond coat of Polymer (SBR) approved by IITB and cement in the proportion of 1:1 using brush in multiple coats as required to accommodate the whole thickness of polymer modified mortar wherever required on the surface of old concrete or repaired concrete including scaffolding etc. all complete as directed by Engineer In-charge. Polymer (SBR) of approved manufacturer should have the following properties: Suspended solid particle 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 authorised dealer will be verified.	60.00	Kg.
9	Providing & 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) on prepared concrete surface in layers as directed including mixing the polymer mortar with water using forced action mixer mild curing with water for 3 days including scaffolding etc. all complete as directed by Engineer In-charge. (Payment will be paid for the actual quantity of polymer mortar PX used on weight basis. Challans of authorised dealer will be verified.	2200.00	Kg.
10	Providing second class burnt brick masonry with conventional/I.S. types of bricks in cement mortar 1;6 in superstructure including striking joints/raking out joints watering and scaffolding etc all complete as directed by Engineer Incharge.	40.00	Cum
11	Providing second class burnt brick masonry with best available approved quality well burnt bricks in cement mortar 1:4 in half brick thick wall including providing RCC patli M-20 concrete (1:1½:3), 100mm x 100mm to the full length of wall at every one meter height, using two numbers 8mm dia tor steel reinforcement, scaffolding, racking out joints and watering etc. all complete as directed by Engineer In-charge.	50.00	Sqm
12	Providing and laying cement concrete 1:1 ½ : 3 (M-20) using graded stone aggregate 20mm maximum size for foundation,parapets, coping, bed blocks, anchor blocks, band as per details including formwork, compacting, scaffolding, curing etc all complete as directed by Engineer Incharge.	5.00	Cum
13	Providing and laying super fluid micro concrete of approved manufacturer at any floor after reinforcement treatment coat including mixing with 5mm to 10mm size quartz aggregate in the ratio of 1 part ACC shrikomp to 0.75 part of quartz aggregate by weight providing marine plywood formwork in line and level, cleaning, curing, scaffolding etc. complete. the compressive strength of super fluid micro concrete should not be less than 20N / mm2 etc. All complete as directed by Engineer In-charge. (Make:-Dr. Fixit, Sunanda, MC Bouchmey, Chembond, M/s Wall Plast)	450.00	kg
14	Providing and fixing in position tor steel bar having grade Fe-500D or more for reinforcement of various diameters for R.C.C. footings, foundations, slabs, beams, columns, canopies, staircases, chajjas, lintels, pardies, coping, fins, dowel bars with sleeve, tie bar, any other required work etc. as per detailed designs, drawings and schedules including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required etc. all complete as directed by Engineer Incharge.	50.00	kg

15	Providing cement plaster 20mm thick in single coat in cement mortar 1:4 to concrete or brick surfaces in all positions including curing, scaffolding etc all complete as directed by Engineer Incharge.	20.00	Sqm
16	Providing & applying external waterproof plaster using factory made ready mix polymer cement mortar plaster. i) 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 waterproof plaster of approved make (M/s Wall Plast, M/s Fare-Matt) or equivalent. ii) The base coat of minimum 12mm thick using above ready mixed polymer modified mortar plaster to proper plumb level & line including making the plaster surface rough (all as per the manufacturer's specifications) to receive the top finish coat. iii) Applying top/finish coat plaster of minimum 8mm thickness with similar ready mix polymer cement mortar plaster finishing in perfect plumb, line & level so as to obtain fine sand grain finish by using branded approved variety sponge or using mechanised 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. iv) The rate shall include providing double scaffolding as per the specifications prescribed at above upto the required height and doing work at all heights and lifts.	725.00	Sqm
17	Drilling straight and inclined holes upto 300mm depth and upto 20mm dia in concrete / masonry using electrically operated drilling machine and fixing PVC nipple for grouting, conducting water test including scaffolding etc. all complete as directed by Engineer In-charge.	50.00	Nos.
18	Grouting existing RCC structural members & tile work as per following operations, sealing leak paths with cement mortar & polymer, fixing of nipple, plugging the hole with neat cement paste by ram packing, cleaning including scaffolding etc. all complete as directed by Engineer In-charge. 1) Add Sunflex powder 1.00 kg in one bag of cement of 50 kg with adequate water. 2) Using mechanical means of pressure grouting with the above mix. The pressure shall be 5-10 psi. 3) The grouting to be done into the cracks of ceiling, walls, columns, & beam junctions wherever required. 4) After through grouting sealing the holes with cement slurry etc. all complete as directed.	100.00	kg
19	Cutting, demarcating grooves at any height with electrically operated cutter machine between sound and unsound plaster, cracks on external wall, separation cracks including scaffolding, stacking the debris at suitable location etc. all complete as directed by Engineer In-charge.	100.00	Rmt
20	Providing and filling separation crack of 50mm width and 25mm deep with polymer modified cementitious mortar. Demarcating groove, removing plaster / concrete carefully, washing with potable water. 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 applying making tape on both side of groove, cleaning, finishing to match the plaster in vicinity, scaffolding etc. all complete as directed by Engineer In-charge.	100.00	Rmt
21	Providing and applying two coat of Prime seal of Dr.Fixit over new plaster masonry or RCC surface as per manufacturer specification including scaffolding, preparing the surface by thoroughly cleaning laitance, loose material, oil, grease and other foreign matter with wire brush and vacuum cleaning, including filling the cracks using appropriate exterior putty etc all complete as directed by Engineer In-charge & as per manufactures specifications.	550.00	Sqm

22	Providing and applying one or more coat of Dr. Fixit Raincoat Universal Base Coat over plaster, masonry or RCC surface of any height and without any dilution at a spreading rate of 3.5 -4.0 sq mtr per litre to achieve about 120-150 microns DFT as per manufacturer specification including preparing the surface by thoroughly cleaning laitance, loose material, oil, grease and other foreign matter with wire brush and vacuum cleaning, filling the cracks using appropriate exterior putty, covering the floor and wall, window glass with plastic sheet during work and cleaning after work including scaffolding and covering the whole treatment with 5 years guarantee / warranty on requisite (Rs-500/-) non-judicial stamp paper etc. all complete as directed by Engineer In-charge. (For vertical surface).	2600.00	Sqm
23	Providing and applying one or more coat of Dr. Fixit Raincoat select Top coat to be apply with interval of 6-8 hours without any dilution at spreading rate of 6.5 sq mtr per litre to achieve about 60 microns DFT. Achieving total DFT of 180 to 210 microns same as existing colour/shade as per manufacturer's specification on plastered surface over concrete / brickwork of any height including scaffolding, cleaning the surface thoroughly, watering the surface etc. Complete including covering the floor and wall, window glass with plastic sheet and cleaning after work and covering the whole treatment with 5 years guarantee / warranty on requisite (Rs-500/-) non-judicial stamp paper etc. all complete as directed by Engineer In-charge. (For vertical surface).	2600.00	Sqm
24	Providing and applying three coats of Dr. Fixit New coat as per manufacturer's specification on plastered surface over concrete/brickwork including cleaning the surface thoroughly, watering the surface etc. complete including scaffolding, covering the floor, window glass with plastic sheet and and covering the whole treatment with 5 years guarantee / warranty on requisite (Rs-500/-) non-judicial stamp paper etc. all complete as directed by Engineer Incharge. (for horizontal surface / terrace)	1150.00	Sqm
25	Providing & laying cement based water proofing treatment to terrace / toilet block / balcony 110mm-250mm thick/as required brick bats laid in required slope to drain the water for any span after cleaning the base surface. Applying a coat of cement slurry admixed with approved water proofing compound and laying the brick bats on bottom layer in C.M 1:5 admixed with approved water proofing compound filling up to half depth of brick bats, curing this layer 3 days, applying cement slurry over this layer joints of brick bats with C.M. 1:3 admixed with approved water proofing compound and finally top finishing with average 20mm thick layer of same mortar finishing the surface smooth with cement slurry admixed with approved water proofing compound including all leads,lifts,curing etc. Covering 5 years' guarantee / warranty on requisite (Rs-500/-)non- judicial stamp paper etc. all complete as directed by Engineer In-charge.	15.00	Cum
26	Providing and laying water proofing cement concrete flooring to terrace to average 50mm thick with 1:2:3 cement concrete laid to proper level and slope using river sand including compaction, filling joints, adding recommended waterproofing admixtures @ 2% by weight of cement, finishing the top surfaces with broken china mosaic (broken piece of glazed tiled) of approved colour & pattern including neat cement float, testing the roof by ponding with water for 14 days, providing waterproofing guarantee / warranty for 5 years on requisite (Rs-500/-) non-judicial stamp paper etc. all complete as directed by Engineer Incharge.	870.00	Sqm

27	Providing and fixing P.V.C. soil / waste water pipes 110mm inner dia. and having wall thickness of 2.5 to 3.2mm conforming to I.S. 13592-1992 including with P.V.C. plug bend, necessary fittings such as offsets including fixing the pipe on wall using M.S cleats projecting 25mm to 40mm from face of wall and fixing with clips of approved quality and number, filling the joints with PVC solvent including necessary scaffolding and removing existing pipe etc. all complete as directed by Engineer In-charge. (Submission of warranty for maintenance for a period of 3 years for any leakages /dislocation of pipes joints and replacing the damaged fittings after the completion date on a non-judicial stamp paper of Rs.100/-.)	50.00	Rmt
28	Providing and fixing P.V.C. water pipes 150mm inner dia. and having wall thickness of 2.5 to 3.2mm conforming to I.S. 13592-1992 including with P.V.C. plug bend, necessary fittings such as offsets including fixing the pipe on wall using M.S cleats projecting 25mm to 40mm from face of wall and fixing with clips of approved quality and number, filling the joints with PVC solvent including necessary scaffolding and removing existing pipe etc. all complete as directed by Engineer In-charge. (Submission of warranty for maintenance for a period of 3 years for any leakages /dislocation of pipes joints and replacing the damaged fittings after the completion date on a non-judicial stamp paper of Rs.100/-.)	50.00	Rmt
29	Disposing debris, loose stones, boulders, concrete pieces etc. collected and stacked as directed including loading in trucks, transporting out of IIT Campus including obtaining permission of BMC competent authorities for disposing off on to their approved locations. The debris are to be removed from site as per instruction of engineer In-charge / his representatives (30% voids will be deducted in case of truck measurement) etc all complete as directed by Engineer Incharge.	100.00	Cum

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.

M. K. Puri
24/01/2025

Superintending Engineer (I/C)