



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.	Emergency structural repairs at Hostel area. EO/A/HOSTEL/WKS-94/24-25	Rs.64,48,948/-	Rs.1,29,000/-	01 year	6100001901

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 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 or mail at srm@iitb.ac.in.

Date and time of submission of tender documents digitally are from 06.11.2024 to 29.10.2024 till 11:15 a.m. Date of opening of Technical Bid will be 29.10.2024 at 11.30 a.m. and Financial Bid 23.10.2024 (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 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 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.1,29,000/-(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.

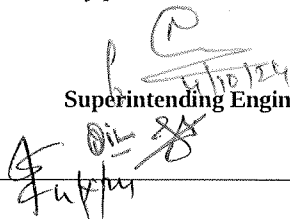
Rates of an estimate are based on CPWD-DSR-2021, Ongoing market rates and rate analysis.

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)

TO BE UPLOADED ON SRM TENDERING PORTAL WITH FINANCIAL BID

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


File No. : EO/A/HOSTEL/WKS-94/24-25

Name of Work : Emergency structural repairs at Hostel area.

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-94/24-25

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

Sub : Emergency structural repairs at Hostel 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 01 Year 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. :

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The 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-94/24-25

ESTATE OFFICE

Name of Work : Emergency structural repairs at Hostel area.

Schedule of work

Sr. No.	Description of work	Qty.	Unit
1	Demolishing reinforced cement concrete work (chajja, pardi, beams, slab etc.) including breaking concrete with the help of mechanical tools/electrical tools, scaffolding, etc and stacking the debris and scrap steel for taking away out of IIT campus. all complete as directed. (5% amount of this item will be deducted for scrap value of material)	2.00	Cum
2	Carefully removing the internal/external existing cement plaster damaged of any thickness from RCC members like columns, beams, slabs, chajjas, paradis,walls fins, staircase etc. in patches or any length by using electrical cutting tools/manually means up to any depth without damaging brickwork, plaster in the vicinity, cleaning, stacking the debris at suitable location, cleaning the site etc. including covering the furniture with plastic sheet including scaffolding / step ladder etc. all complete as directed. Note: Proper tools to be used for removal of plaster.	600.00	Sqm
3	Exposing the existing damaged RCC members like columns, beams, slabs, chajjas, etc in patches or any length by using electrical cutting tools up to any depth till the corroded reinforcement will be opened all round without damaging brickwork, plaster in the vicinity, cleaning, stacking the debris, cleaning the site etc. complete, including covering the furniture with plastic sheet while exposing concrete including scaffolding/ step ladder. Note: Proper tools to be used for removal of concrete.	530.00	Sqm
4	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 if required as directed including scaffolding etc. all complete as directed. Actual consumption of Alkaline base converter shall be measured for payment on weight basis. Original bills/challans of authorized dealer will be verified before processing the bills.	110.00	Kg
5	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. 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. Original bills/challans of authorized dealer will be verified before processing the bills.	800.00	Kg
6	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/concrete surface in layers as directed including scaffolding mixing the polymer mortar with water etc all complete as directed. (Payment will be paid for the actual quantity of polymer mortar PX used on weight basis. Original bills/challans of authorized dealer will be verified before processing the bills.	39500.00	Kg

7	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 and scaffolding, etc. complete. the compressive strength of super fluid micro concrete should not be less than 20N / mm2 etc. All complete as directed. Original bills/challans of authorized dealer will be verified before processing the bills.	250.00	Kg
8	Providing & fixing in position mild steel / tor steel / TMT bar reinforcement (Fe 500D) of various diameters for RCC lintels, beams, slabs, column etc as per details given including cutting, hooking the bars, binding with wires or tack welding & supporting as required including scaffolding etc. all complete as directed.	30.00	Kg
9	Providing & fabricating structural steel works in rolled sections like joists, channels, angles, tees, plates, round pipes etc. as per site requirement including fixing in position with connection plates, braces, and welding, riveting, bolting as necessary and painting with one coat of metal primer and two coats of synthetic enamel paint etc. All complete as directed.	1,000.00	Kg
10	Providing and laying plain cement concrete M-20 of trap metal for leveling/bedding, flooring, plinth protection, etc. including bailing out water (dewatering), formwork, compacting and curing etc. all complete as directed.	2.00	Cum
11	Providing and casting in situ cement concrete in M25 of trap metal for R.C.C footings / slab / columns / beam as per detailed designs and drawings or as directed including scaffolding, centering, formwork, cover blocks, compaction and finishing the surface, curing etc. all complete as directed.	0.35	Cum
12	Providing temporary steel supports such as tubular steel props 50mm dia, as required for supporting system till the repaired work of the beam, column, slab, chajja, etc. work completed in all respects as directed and when required in any floor of any height inside and outside of the building and removing the supporting system as directed without damaging the structure etc. all complete as directed.	40.00	Nos
13	Providing second class burnt brick masonry with conventional type bricks in cement mortar 1:6 in superstructure including scaffolding, racking out joints and watering etc. all complete as directed.	2.00	Cum
14	Providing second class half burnt brick masonry with conventional type bricks in cement mortar 1:4 in superstructure including scaffolding, striking joints racking out joints and watering etc.all complete as directed.	10.00	Sqm
15	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:4 without neeru finish to concrete or brick surfaces in all positions including scaffolding and curing etc. all complete as directed.	550.00	Sqm
16	Providing internal cement plaster 20mm thick in two coats in cement mortar 1:4 without neeru finish to concrete or brick surfaces in all positions including scaffolding and curing etc. all complete as directed.	50.00	Sqm

17	<p>Providing and applying external waterproof plaster using factory made ready mix polymer cement mortar plaster.</p> <p>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 approved.</p> <p>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.</p> <p>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 device including adding additional required quantity of cement for managing richer mix of approved brand at no extra cost, doing regular curing for minimum 7 days.</p> <p>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.</p>	50.00	Sqm
18	<p>Cutting, demarcating grooves at any height with electrically operated cutter machine between sound and unsound plaster, cracks on external wall, separation cracks including scaffolding, etc. all complete as directed.</p>	100.00	Rmt
19	<p>Providing and filling separation crack of 50mm-100mm 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, applying/ making tape on both side of groove, cleaning, finishing to match the plaster in vicinity, stacking of debris at suitable location to take away out of IIT campus, cleaning etc. all complete as directed. Proportion of Bond coat i.e. SBR polymer + cement in the ratio 1:1 by volume, SBR polymer 150ml, Cement 1 Kg., Silica sand 3.0 kg. (Note: - Demarcating groove, breaking plaster / concrete shall be paid under respective items).</p>	100.00	Rmt
20	<p>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, etc. all complete as directed.</p>	100.00	Nos
21	<p>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 etc. Complete. 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.</p>	200.00	Kg
22	<p>Providing and applying white cement based Birla make wall care putty with uniform thickness over the existing internal cement plaster in proper line / level including preparing the wall surface including scaffolding etc. all complete as directed.</p>	800.00	Sqm
23	<p>Providing and applying 2 coats of Asian Paints smartcare damp block 2k to be apply with interval of 6-8 hours at spreading rate of 6.5 sq mtr per kg as per manufacturer's specification on unplastered surface over concrete / brickwork of any height including cleaning the surface thoroughly, drying the surface, covering the floor and wall, window glass with plastic sheet and cleaning after work etc. all complete as directed.</p>	20.00	Sqm
24	<p>Providing and applying one coat of seal cement primer IITB approved brand, cleaning the surface with the use of stepladder/scaffolding including covering the floor, window glass with plastic sheet, scrapping the surface, removing nails, socket holes, levelling the entire surface with lambi / palti and cleaning etc all complete as directed. (Asian/Berger/Nerolac)</p>	7,800.00	Sqm

25	Providing and applying Acrylic oil bound distemper of IITB approved manufacturer and of desired colour and shade to old / new ceiling & wall surfaces in two coats with uniform finish with the use of stepladder/scaffolding as per manufactures specification including covering the floor, window glass with plastic sheet and cleaning etc. all complete as directed. (Asian/Berger/Nerolac)	50.00	Sqm
26	Providing and applying roller finish Acrylic plastic emulsion paint of IITB approved manufacturer and of desired colour and shade to old / new ceiling & wall surfaces in two coat with uniform finish with the use of stepladder, scrapping, preparing and levelling the surfaces with palti/putty, as per manufactures specification including covering the floor, window glass with plastic sheet and cleaning (excluding priming coat) etc all complete as directed (Asian / Berger / Nerolac / ICI)	7,800.00	Sqm
27	Providing and applying two coats of synthetic enamel paint of IITB approved brand & desired shade to old and new wood work and structural steel works with the use of stepladder/scaffolding, preparing the surface by scrapping, filling all cracks / holes with lambi / palti, levelling the surface, cleaning etc. all complete as directed. (Asian/Berger/Nerolac)	1,500.00	Sqm
28	Providing and applying one coat of acrylic primer and two coats of exterior acrylic paint of approved colour & shade of IITB approved manufacturer and as per manufacturer's specification on old or new plastered surface over concrete / brickwork, stonework as per manufacturer's specification including cleaning the surface thoroughly with coir brush, watering the surface etc. complete including covering the floor, window glass with plastic sheet etc. all complete as directed by Engineer In-charge.(Make:- Berger (Weathercoat) , Asian (Ultima), Nerolac (Excel total))	500.00	Sqm
29	Providing and fixing vitrified mirror finish decorative type of tiles of size 600mm x600mm and 8 to 10mm thick or as directed of approved make,shade and pattern and having water absorption between 0.08% to 2.5% for flooring in required position laid on a bed of 1:4 cement mortar including neat cement float, filling joints with neat cement slurry mixed with approved shade of pigment to match the colour of tiles, curing and cleaning etc.all complete as directed.	40.00	Sqm
30	Providing and fixing coloured ceramic tiles of required size not less than 300m X 450mm and brand about 5 to 8.5mm thick for dado and skirting in required position on plaster of 1:4 cement mortar including filling joints with neat cement slurry mixed with neat cement slurry, curing, polishing and cleaning etc. all complete as directed.	20.00	Sqm
31	Providing and laying coloured granite slabs of not less than 16mm thick of approved quality colour and cladding floor platform and on a bed of 1:4 cement mortar including moulding, filling joints with coloured cement to match colour of slab, curing polishing etc. All complete as directed by Engineer In-Charge.	20.00	Sqm
32	Providing and fixing double scaffolding system on the exterior/interior side at any height made up with 40mm dia M.S. tube 1.5m or 2m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration i.e., till completion of the work as approved and removing it there after. The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in-charge. The elevational area of the scaffolding shall be measured for payment purpose. The payment will be made once irrespective of duration of scaffolding (till the completion of the work).	100.00	Sqm

33	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 permission of BMC competent authorities for disposing off on to their approved locations. The debris are to be removed from site as soon as the truck load is accumulated etc. all complete as directed. (30% voids will be deducted from actual measurement for loose stones, boulders, concrete pieces)	30.00	Cum
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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.

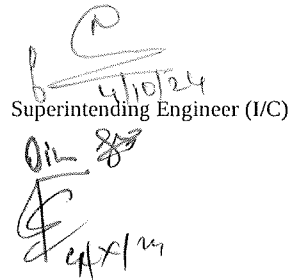
3) This work is to be executed as per the the clauses mentioned in the tender document signed by you. In addition to the existing safety clause of the tender document a penalty of Rs.5,000/- per case will be recovered from the bills of the particular works, in case any such safety violations are noticed.

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)