



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
ESTATE OFFICE
NOTICE INVITING TENDER

Telephone No. 022 2576/4995,022/2159/6922 email id drestate@iitb.ac.in

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

Sr. No.	Name of Work	Estimated Cost (In Rs.)	EMD (Rs.)	Mode of Tender	Duration of contract
1	Waterproofing work on terrace and internal repairs work in the 4 th floor SOM Building. EO/A/WORKSHOP/WKS-277/24-25	Rs 34,22,313/- Incl.18% GST	Rs.68,500/-	Percentage rate offline mode	04 MONTHS

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 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 of submission of technical and financial bids, in 2 separate envelopes is on 27.03.2026 from 09:15 a.m to 11:15 a.m. in the tender box at 1st floor, Conference room, Estate Office. **The date of opening the technical Bid will be 27.03.2026 at 11:30 a.m and the date of opening of financial bid is on 01.04.2026 (Tentative)**

Interested contractors/agencies are requested to submit Technical bid and Financial bid in the Tender Box of the Estate Office. 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) Submit 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.

Handwritten signature

- 3) P. F. registration certificate.
- 4) P. F. challans of last 12 months.
- 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 last 03 years i.e. of **2022-23, 2023-24 and 2024-25.**
- 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. 68,500/- in the name of "The Registrar, IIT Bombay" in the Technical Bid Envelope.
- 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 submitted 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 submitted 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 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.
- 17) Index Sheet

Terms & Conditions :

Those contractors who do not have documents mentioned above from Sr. No. 1 to 18 need not apply as it is mandatory documents to qualify in technical bids.

The selected bidder should submit a **Performance Guarantee for 5%** of the quoted amount. The time allowed for submission of the Performance Guarantee from the date of issue of the letter of acceptance is 14 days.

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 2021 rates & 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.

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.

M. K. Gupta
17/03/2026
Superintending Engineer (I/C)
J. 13/3
16/3/26
16/3/26

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. _____

INDEX SHEET

Sr. No.	Content	Page No. From - To
1	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.	
2	Submit 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.	
3	Bank Solvency certificate 40% of estimated amount issued within one year from any Nationalized / Schedule Bank from the date of publishing of Tender.	
4	P. F. registration certificate.	
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7	PAN card.	
8	GST Registration certificate	
9	Income Tax Return for last 03 years i.e. of 2022-23, 2023-24 & 2024-25.	
10	List of Equipment's, Machinery, Tools.	
11	List of Technical Staff with copies of their Degree/diploma certificate.	
12	Earnest Money Deposit	
13	Power of Attorney, if any.	
14	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.	
15	Litigation history of the agency is required to be submitted along with the application. A tender would not be awarded if any inquiry proceeding / criminal case is found pending against the agency.	
16	Annexure 'A'	
17		

Signature & stamp of the Contractor

**TO BE SUBMITTED SEPARATELY IN OTHER ENVELOPE ALONG WITH
FINANCIAL BID**

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

File No. : EO/A/WORKSHOP/WKS-277/24-25

Name of Work : Waterproofing work on terrace and internal repairs work in the 4th floor SOM building.

Name of the Contractor -----

Sr. No.	Name of Client	Name of Works	2022-23 (In Lakhs)	2023-2024 (In Lakhs)	2024-2025 (In Lakhs)	2025-2026 (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.

R. Shrivastava
17/03/2026

Superintending Engineer (I/C)

121
16/3/26

Signature of Contractor
Name & Address in full

WORKS UNDERTAKING

EO/A/WORKSHOP/WKS-277/24-25

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

Sub : Waterproofing work on terrace and internal repairs work in the 4th floor SOM building.

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 04 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, MAHARASHTRA - 400 076

EO/A/WORKSHOP/WKS-277/24-25

ESTATE OFFICE

Name of work:- Waterproofing work on terrace and internal repairs work in the 4th floor SOM building.

Schedule of Work

Sr. No.	Description of work	Qty.	Unit	Rate (In Rs.)	Amount (In Rs.)
1	Removing door shutters and window shutters of any size and type with fittings (if available) and taking out the same outside IIT Campus etc. complete. (Recovery of wood scrap will be done @ Rs. 25 per kg, aluminium scrap will be done @ Rs. 120 per kg and structural steel will be done @ Rs. 20 per kg from Item of work against actual weight if material taken outside campus)	5.00	Nos	415.96	2079.80
2	Dismantling plain cement concrete work including breaking concrete by chiselling, wedging etc., and stacking the debris upto a distance of 50 metres or spreading as directed.	1.00	m3	1243.81	1243.81
3	Dismantling Reinforced cement concrete work including breaking concrete by chiselling, wedging covering area with jute kantan to avoid spreading of dust etc., stacking the debris upto a distance of 50 metres as directed.	19.00	m3	2938.03	55822.57
4	Removing the old cement concrete or any type of tiles from floor / wall carefully including levelling the surface, cleaning the site, stacking the debris etc. complete.	50.00	m2	93.72	4686.00
5	Carefully removing internal or external plaster in patches or any length without damaging structure brickwork in the vicinity by using electric cutting tools including cutting a groove first to demarcate exact area of damage taken place stacking the debris with in 50 meter, cleaning the site etc. complete. including covering the furniture, floor, windows and partitions with plastic sheets while chipping Note:- a) No extra payment shall be made for extra thickness removed. b) Proper tools to be used for removal of concrete and it should be seen by contractor no damage on the other side / near by area will be taken place and if required other portions are to be checked by the contractors with respect to the damage before commencement of the work. c) The area in vertical plane shall be measured.	20.00	m2	45.20	904.00
6	Removing teak wood or aluminium paneled / partly glazed or veneer / plywood partitions, any type of ceiling carefully without damaging the frame or panels and taking out the same outside IIT Campus etc. complete. (Recovery of wood scrap will be done @ Rs. 25 per kg, aluminium scrap will be done @ Rs. 120 per kg and structural steel will be done @ Rs. 20 per kg from Item of work against actual weight if material taken outside campus)	101.00	m2	46.66	4712.66
7	Disconnecting PVC storage tank by making necessary disconnect fitting and fixtures including making tank empty, removing tank from its position, and placing required location., after waterproofing work completed, refixing the tank at its original position, making inlet and outlet connections at its original position, removing air lock if any with all tools and plants etc. completed as directed.(removing and refixing of PVC water tank is 1 Job)	4.00	Nos	3365.00	13460.00
8	Dismantling existing platform made of kadappa/concrete slab top, granite top and kadappa/concrete/ brick support of height and width upto 900mm carefully and lowering down the debris at ground level from any height and stacking up to 50 meters beyond the building area as directed by Engineer Incharge. as directed.etc, complete.	2.00	Rmt	459.00	918.00
9	Dismantling existing brickbat coba waterproofing from the terrace up to mother slab or as per the requirement as directed by Engineer in charge without damaging the RCC slab carefully using electrically operated tools including lowering down the debris and stacking the same upto 50 mtrs from the working site etc. all complete as directed.	61.00	m3	3249.00	198189.00

10	Dismantling PCC, IPS layer above brick bat coba from terrace floor/chajjas of building carefully without damaging the existing brickbat, levelling the surface, cleaning the site, lowering down the debris and stacking the debris upto 50mtr from building at designated spot etc. complete.	2.00	m3	2013.91	4027.82
11	Providing and laying waterproofing treatment of 120mm av. thickness consisting of 12mm thick layer in cement mortar 1:3 with water proofing compound 2% by weight of cement as base, constructing and laying brick bat coba in cement mortar 1:5 with waterproofing compound at the rate of 2% by weight of cement and having average thickness of 80mm and finishing with 20mm thick cement plaster layer in cement mortar 1:3 with water proofing compound 2% by weight of cement including laying glass fibre cloth of approved quality in top layer including all lead, lifts and laid to proper slope to drain off water entirely including watta at the junction of parapet and work upto a height of 300mm or as directed and including finishing the top layer of water proofing treatment with false marking of 30cm x 30cm or as directed and covering the whole treatment with seven years' guarantee, on requisite stamp paper etc. complete.	304.00	m2	1528.12	464548.48
12	Providing & laying brickbat coba on terrace, chajjas & in w.c. and bath in all positions in cement mortar 1:5 with waterproofing compound at the rate of 2% by weight of cement and covering 10 years' guarantee including all leads, lifts including furnishing a guarantee on requisite judicial stamp paper etc. complete.	2.00	m3	6862.00	13724.00
13	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 silt free clear river sand including compaction, filling joints, adding recommended waterproofing admixtures @ 2% by weight of cement, marking lines to give appearances of tiles of 30cm x 30cm or other approved size laid diagonally / square, finishing with extra cement in any colour as directed, testing the roof by ponding with water for 14 days, providing waterproofing guarantee for 7 (seven) years in requisite non judicial stamp paper in favour of IITB including all lead and lift etc. complete.	79.00	m2	691.00	54589.00
14	Providing and applying three coats of Dr. Fixit Roof seal coating including preparing surface by pressure washing the surface to remove all algae, mould, dirt, dust, chalking and waste products. All visible hairline cracks more than 0.50mm and not giving hollow sound on the IPS/screed or at the junctions of flat roof & vertical parapet wall, pipe joints, should be cut and widen V shape with mechanical cutter in the size (6mm W x 6mm D) and fill with Dr. Fixit PU Sealant covering the entire area uniformly with suitable gun. Allow sealant to cure a minimum 24 hours. Apply minimum 50mm - 100 mm width 45 GSM Glass Fibre Mesh / non-woven geo textile fleece with the coat of Dr. Fixit Roofseal Select along the length of crack. Apply one coat of Dr. Fixit Primeseal primer dilute with water in the ratio 2:1. Allow it to dry for 2 to 3 hours. Apply 1st coat of Dr. Fixit Roofseal Select at the rate of 2.0 sqmt / litre / coat. An open 45 Gsm glass fibre mesh of 2.5 mm x 2.5 mm must be sandwiched between the first	304.00	m2	470.00	142880.00
	and second coat. While the 1st coat is still wet, place the fibre mesh on it. Allow the first coat to dry for 6-8 hours. Apply second coat of Dr. Fixit Roofseal Select with the same application coverage. Application direction of second coat should be perpendicular to that of the first coat. Allow second coat to dry for 6-8 hours. Apply third coat of Dr. Fixit Roofseal Select at an application direction that is perpendicular to that of the second coat with same application coverage rate. Check to see no void surface is left untreated / uncoated. Allow the system to air cure for 7 days minimum. A total thickness of 1 mm must be achieved when Dr. Fixit Roofseal Select is dry. Work Shall be got executed through certified applicator of the product manufacturing company only and work shall be guaranteed for 07 years by the contractor on requisite stamp paper including submitting written guarantee from said certified applicator.				
15	Carefully removing the existing C.I. / PVC / HDPE / C I drain pipes from floor / slab with out damaging the structure and taking out the same out of IIT Campus etc. completed as directed.	88.00	Rmt	106.00	9328.00

16	Removing teak wood or aluminium paneled / partly glazed or veneer / plywood partitions./ ACP Cladding any type of ceiling carefully without damaging the frame or panels and taking out the same outside HT Campus etc. complete. (Recovery of wood scrap will be done @ Rs. 25 per kg, aluminium scrap will be done @ Rs. 120 per kg and structural steel will be done @ Rs. 20 per kg from Item of work against actual weight if material taken outside campus)	101.00	m2	46.66	4712.66
17	Providing and fixing P.V.C. rain water pipes 150mm outer dia. conforming to I.S. including proper rain water receiving recess with P.V.C. plug bend, necessary fittings such as offsets, shoes including fixing the pipe on wall using approved M.S brackets projecting 25mm to 40mm from face of wall & fixing with heavy duty PVC clips of approved quality & number, filling the joints using rubber gasket with solvent cement and properly resting the shoe of pipes on C.C. or masonry blocks, and maintenance for 3 years for any leakages or dislocation of pipes. All the PVC fittings and additional two piece socket clips shall be got approved from engineer in charge complete.	113.00	Rmt	930.00	105090.00
18	Providing and fixing P.V.C. rain water pipes 100mm outer dia. conforming to I.S. including proper rain water receiving recess with P.V.C. plug bend, necessary fittings such as offsets, shoes including fixing the pipe on wall using approved M.S brackets projecting 25mm to 40mm from face of wall & fixing with heavy duty PVC clips of approved quality & number, filling the joints using rubber gasket with solvent cement and properly resting the shoe of pipes on C.C. or masonry blocks and maintenance for 3 years for any leakages or dislocation of pipes. All the PVC fittings and additional two piece socket clips shall be got approved from engineer in charge complete.	14.00	Rmt	835.00	11690.00
19	Providing internal cement plaster 12 mm thick in a single coat in cement mortar 1:4 without neeru finish to concrete or brick surfaces in all positions with the use of step ladder and curing complete.	20.00	m2	295.85	5917.00
20	Providing internal cement plaster 20mm thick in a single coat in cement mortar 1:4 without neeru finish to concrete or brick surfaces in all positions with the use of step ladder and curing complete.	10.00	m2	403.51	4035.10
21	Providing and fixing without anodising or powder coating aluminium section for door frame, windows, partitions and any other require work etc. of required size including fixing with required fittings such as screws and other required fittings including fixing in proper alignment, rectifying all damaged, P/F wood inside frame for fixing hinges etc. completed as directed.	272.00	Kg	437.00	118864.00
22	Providing and fixing 8mm thick marine plywoods for table top, panelling, shutters, partition and any other work with necessary fittings and fixtures etc. complete as per the directions of Engineer-in-charge .	5.00	m2	702.00	3510.00
23	Providing and fixing 12mm thick marine plywoods for table top, panelling, shutters, partition and any other work with necessary fittings and fixtures etc. complete as per the directions of Engineer-in-charge .	10.00	m2	1059.00	10590.00
24	Providing and fixing 18mm thick marine plywoods for table top, panelling, shutters, partition and any other work with necessary fittings and fixtures etc. complete as per the directions of Engineer-in-charge .	28.00	m2	1306.00	36568.00
25	P/A Termigaurd spray (Make: Pidilite) on plywood, flush door, panel door etc. evenly as per manufacturer's specification all complete as directed.	85.00	m2	58.00	4930.00
26	Providing & fixing 1mm thick designer laminate of approved brand and pattern on partition/ door shutter/ door frame/ over window including, making necessary groves wherever required as per standard practice with all required fittings and fixtures etc. complete as directed.	18.00	m2	1036.00	18648.00
27	Providing & fixing 4mm teak veneer of approved brand and pattern on partition/ door shutter/ door frame/ over window including, making necessary groves wherever required as per standard practice with all required fittings and fixtures including polishing etc. complete as directed by Engineer-in-charge.	101.00	m2	1778.00	179578.00

28	Providing and applying Melamine polish of required finish to wood work by spray machine including knotting and preparing the surface by scrapping, applying French polishing, if required etc. complete as directed.	101.00	m2	1024.00	103424.00
29	Providing and fixing solid core flush door in single or double leaf 32mm thick of commercial type of exterior grade, approved commercial plywood facing both side without glazing and venetians, all necessary beads, moulding and lipping, 300mm long 2 nos. decorative type S.S handles for each shutters, 8" long stainless steel tower bolt 1 no for each shutter, 6 lever Godrej mortise lock with triplicate keys and other required fittings etc. complete (without frame). (fittings will be approved by Engineer in charge before fixing)	11.00	m2	5583.00	61413.00
30	Providing and fixing 3mm thick ACP sheet of approved colour and pattern over existing aluminium frame, fixing the panels using 3M tape, filling the joints using 789 grade silicon sealant with all required fittings and fixtures, screws, hardware using any mechanical arrangements erected for ACP facade cleaning work etc complete as directed by Engineer In-charge. .	32.00	m2	2807.00	89824.00
31	Providing and applying white cement based Birla make wall care putty of average thickness 1mm, over plaster/ concrete surface in proper line / level to prepare surface even and smooth for including preparing the wall surface for the application of wall care putty etc. complete as directed.	35.00	m2	124.27	4349.45
32	Providing and applying one coat of seal cement primer IITB approved brand, cleaning the surface with the use of stepladder and scrapping the surface, filling the holes, covering the floor, windows, instruments during painting etc. complete.	210.00	m2	64.67	13580.70
33	Providing and applying roller finish Acrylic plastic emulsion paint of of IITB approved manufacturer and of desired colour and shade to old / new ceiling & wall surfaces in two coats with the use of stepladder, preparing and levelling the surfaces with Acrylic palty, as per manufactures specification (excluding priming coat) complete.	210.00	m2	80.52	16909.20
34	Providing / applying interior wall finish luster of Asian/ Berger/ Nerolac/ Dulex Paints or equivalent make on internal wall surface as detailed below scrapping the surface with emery paper and wipe clean. Applying Asian/ Berger/ Nerolac/ Dulex Paints or equivalent wall primer with mineral turpentine with brush 8 to 10% and oil 15 to 20% with roller and allowing to dry for a period 6 to 8 hours. Applying Asian/ Berger/ Nerolac/ Dulex Paints or equivalent Acrylic wall putty with appropriate proportion of water allowing to dry for period 4 to 6 hours. Scrapping with emery paper 180 and wipe clean. Applying Asian/ Berger/ Nerolac/ Dulex Paints or equivalent wall primer with brush with mineral turpentine 8 to 10% and oil 15 to 20% with roller scrapping emery paper 320 and wipe clean. Applying Asian/ Berger/ Nerolac/ Dulex Paints or equivalent interior wall finish luster 1st coat with brush/ rubber/ sprary with mineral turpentine 7 to 9% and oil with roller 19 to 21% after 8 hours of activity and applying 2nd coat with of Asian/ Berger/ Nerolac/ Dulex Paints or equivalent interior wall finish lustre with mineral turpentine 7 to 9% with brush and oil with roller 19 to 21% after allowing dry for the period of 6 to 8 hours activity.	79.00	m2	219.00	17301.00
35	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 completed as directed.	100.00	kg	89.95	8995.00

36	Providing and laying in position machine batched and machine mixed design mix M-25 (1:1:2) grade cement concrete for all work above plinth level upto any floor level for reinforced cement concrete work, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge including compacting, roughening the surface if special finish is to be provided, casting cubes and testing etc. completed as directed.	1.00	m3	10341.17	10341.17
37	Providing and laying in position Ready mix or machine batched M-30 grade cement concrete (with minimum cement content 350Kg/Cum)for all work up to plinth level for reinforced cement concrete work, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge including compacting, roughening the surface if special finish is to be provided, casting cubes and testing etc. completed as directed.	1.00	m3	8855.29	8855.29
38	Providing and fabricating structural steel works in rolled/ extruded / tubular sections like joists, channels, angles, tees, hollow pipes and any other required sections, riveted, bolted or welded in built up sections for supports, rafters, purlins, railing, staircase, trusses, framed work etc. including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer as per detailed designs & drawings, fixing in position with connecting plates, braces etc. complete as directed.	1015.00	Kg	112.33	114014.95
39	P/F 12mm thick (minimum) Polycarbonate UV Insulated Sheets of Coxwell/ Danpal/ Palram/ DPI Daylighting make of approved colour in required shape, panel width shall not be less than 900mm, panels shall be uniform in colour including all fittings and fixtures such as snap on connector with grip lock double tooth locking mechanism, millfinish aluminium U profile end cap, required flashing at the junction of wall/concrete surface and sheets and other required fittings as per manufacturer specifications etc.all complete as directed by Engineer In-charge.	26.00	m2	4037.00	104962.00
40	Providing and fixing colour coated Galvalume profile precoated sheet for roofing and cladding having thickness 0.50mm TCT of Jindal AZ 150 Make with required colour along with necessary accessories like self drilling and tapping screws with weather cap with all leads and lift etc. complete as directed.	6.00	m2	1051.00	6306.00
41	Providing and applying Dr.Fixit Dampguard Classic(Base + Hardener) as per manufactures specification including scrapping applying first coat of Dampguard Classic over that applying Dampguard Classic Putty followed by Scrapping and after that applying final coat of Dampguard Classic etc.complete all as directed.	77.00	m2	801.00	61677.00
42	Removing & Refixing Existing two/three/four track aluminium domal sliding window using rubber gasket, two nos. PVC rollers for each shutter, necessary locks, handles, PVC lining, fixing new double glass, (toughen) each shutter, other required fittings, etc.	25.00	m2	4517.00	112925.00
43	Removing & Refixing existing openable aluminium window with required size using rubber gasket, , necessary locks, handles, fixing new glass in shutter, other required fittings, etc.	10.00	m2	1163.00	11630.00
44	Providing and fixing in position Three track aluminium domal Sliding window track section of 101.50mm x 50mm for bottom, sides and top, (not less than 1.798 kg/mtr). The shutter should be of Handle Interlocking, top, bottom of size 27 x 65 mm (not less than 0.851 kg/mtr), glazing Clip (not less than 0.303 kg/mtr) including providing and fixing 6mm thk. plain double toughen glass in the shutter. rubber gasket, approved quality minimum two nos. PVC rollers for each shutter, necessary locks, handles, PVC lining and other required fittings, etc. complete as directed by Engineer in charge.(Note: All aluminium sections 15 micron anodized/ powder coated).	3.00	m2	10592.00	31776.00

45	Providing and fixing in position Two track aluminium domal Sliding window track section of 66.50mm x 50mm for bottom, sides and top. (not less than 1.329 kg/mtr). The shutter should be of Handle Interlocking, top, bottom of size 27 x 65 mm (not less than 0.851 kg/mtr), glazing Clip (not less than 0.303 kg/mtr) including providing and fixing 6mm thk. plain double toughen glass in the shutter. rubber gasket, approved quality minimum two nos. PVC rollers for each shutter, necessary locks, handles, PVC lining and other required fittings, etc. complete as directed by Engineer in charge.(Note: All aluminium sections 15 micron anodized/ powder coated).	2.00	m2	9330.00	18660.00
46	Providing and fixing in position four track aluminium domal Sliding window track section of 136mm x 50mm for bottom, sides and top. (not less than 2.466 kg/mtr). The shutter should be of Handle Interlocking, top, bottom of size 27 x 65 mm (not less than 0.851 kg/mtr), glazing Clip (not less than 0.303 kg/mtr) including providing and fixing 6mm thk. plain double glass in the shutter. rubber gasket, approved quality minimum two nos. PVC rollers for each shutter, necessary locks, handles, PVC lining and other required fittings, etc. complete as directed by Engineer in charge.(Note: All aluminium sections 15 micron anodized/ powder coated).	6.00	m2	10995.00	65970.00
47	Providing and fixing translucent horizontal (Marvell Make) roller blinds water resistant cloth of required size and colour including all necessary accessories and installation at any height etc.complete all as directed. (sample of blind should be approved before installation)	14.00	m2	1423.00	19922.00
48	Providing and fixing reflective type sun control film of approved type of Garware make with cutting, fixing etc. complete as directed.	17.00	m2	1060.00	18020.00
49	Providing and laying not less than 16 mm thick Italian Marble stone slab machine cut, mirror polished Marble stone flooring, in required design (Simple geometrical, abstract etc.) and in patterns in combination with Italian marble stones of different colours, shades and finished surface texture etc., in linear portions of the building, all complete as per the architectural drawings, with 18 mm thick stone slab laid over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with white cement slurry @ 4.4 kg/sqm including pointing with white cement slurry admixed with pigment to match the marble shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.	19.00	m2	6116.18	116207.42
50	Providing and fixing Kadappa stone slab for kitchen platform/cupboard shelves of approved type and design 20mm to 25 mm thick in cement mortar 1:4 including filling joints, curing, cleaning etc. complete.	70.00	m2	867.00	60690.00
51	Providing and fixing not less than 16 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut Granite (area of slab upto 0.50 m2) for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), 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.	1.00	m2	4695.23	4695.23
52	Providing and fixing stainless steel sink having bowl size 610 x460x254mm of nirali make inside platform or on brackets including UPVC waste coupling pipe up to outlet pipe, steel waste coupling etc. complete as directed.	1.00	Nos	10318.00	10318.00
53	Providing and fixing armstrong mineral fibre board 600mm x 600mm sheet in existing false ceiling frame by removing damaged sheet with required modification in frame as necessary all complete as directed.	50.00	Nos	321.00	16050.00
54	Re-fixing existing metal or grid false ceiling to its position in proper line and level with new screws, wire nails including use stepladder, rectifying all damages etc. completed as directed.	24.00	m2	335.00	8040.00

55	Providing & fixing cove false ceiling of 6mm thick calcium silicate board of hilux make at all height including providing & fixing of framework made of special section, power pressed from M.S. sheets and galvanised with zinc coating of 120 gms/ sqm (both side inclusive) as per IS : 277 and consisting of intermediate G.I chanel 45 x15 x 0.90mm & perimeter channels 0.50mm thick 27mm high having flanges of 20mm and 30mm long of required width as per site condition suspended from ceiling using angle hangers of 25 x10 x0.50mm of required length with nuts & bolts including jointing & finishing to a flush finish of tapered and square edges of the board with recommended jointing compounds, jointing tapes,finishing with jointing compounds all as per manufacture's specification .	10.00	Rmt	467.00	4670.00
56	Providing & fixing 6mm thick calcium silicate board (make: Hilux) false ceiling in classrooms, labs at all floors, foyer area, washrooms etc including providing & fixing of framework made of special section, power pressed from M.S. sheets and galvanised with zinc coating of 120 gms/ sqm (both side inclusive) as per IS : 277 and consisting of angle cleat of size 25mm wide x 1.6mm thick with flanges of 27mm and 37mm, at 1200mm c/c, one flange fixed to the ceiling with dash fastener 12.5mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25 x10 x0.50mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I chanel 45 x15 x 0.90mm running at the spacing of 1200 mm c/ c, to which the ceiling section 0.5mm thick bottom wedge of 80mm with tapered flanges of 26 mm each having lips of 10.5mm, at 450mm c/c, shall be fixed in a direction perpendicular to G.I intermediate channel etc	9.00	m2	1404.00	12636.00
	with connecting clip made out of 2.64mm dia x 230mm long G.I wire at every junction, including fixing perimeter chanel 0.50mm thick 27mm high having flanges of 20mm and 30mm long, the perimeter of ceiling fixed to wall/ partitions with the help of Rawl plugs at 450mm centre, with 25mm long dry wall screws @ 230mm interval, including fixing of calcium silicate Board to ceiling section and perimeter channels with the help of dry wall screws of size 3.5 x25mm at 230mm c/c, including jointing & finishing to a flush finish of tapered and square edges of the board with recommended jointing compounds, jointing tapes,finishing with jointing compounds in three layers covering up to 150mm on both sides of joints, all as per manufacture's specification and also including the cost of making opening for light fittings, grills, diffusers, cut outs made with frame of perimeter channels suitably fixed, covering the carpet, tables, chairs, machines with plastic sheets all complete as per drawings, specification and direction of the Engineer in charge but excluding the cost of painting.				
57	Removing and refixing existing accoustic panels from frames without damaging and refixing using clips, pasting the board on plywood using suitable pasting gel, necessary cutting, fitting etc all complete	30.00	Nos	40.00	1200.00
58	Providing and fixing accoustic board 25mm thick of armstrong, Anutone make in required colour, pattern, size and shape on existing plywood using clips, pasting the board on plywood using suitable pasting gel, necessary cutting, fitting all complete as directed. (excluding plywood)	9.00	m2	9169.00	82521.00
59	Supplying fabricating and fixing in position fully glazed aluminium openable window using aluminium section 42 x 30 x 1.5mm (0.526/rmt) size aluminium single border outer frame of window shutter, 42 x 37 x 1.5mm size(0.724kg/rmt), aluminium Z section for window shutter, 28 x 14.5 x 1.5mm(0.286kg/rmt) size, aluminium clip for window shutter 45 x 45 x 1.5mm(0.762kg/rmt)(size, Z aluminium center patti for mullion & intermediate section, 37mm x 37mm (0.820kg/rmt) aluminium angles 2mm thick, 5mm thick plain or frosted glasses with rubber gasket, 3 Nos. S.S. Hinges 75mm size (heavy) on each window shutter, aluminium tower bolt 100mm size 1 Nos on each leaf, aluminium stay 200mm to 250mm long 1 No per leaf, aluminium handle 1 Nos per leaf, provision for fixing AC with teak wood members inside box, (if required).etc. Complete. (all aluminium section should be 15 micron anodized/powder coated section)	1.00	m2	8082.00	8082.00
60	Making connection / disconnection of G. I. Distribution branch with G. I. Main of following 25 to 40 mm nominal bore sizes by providing and fixing tee, including cutting and threading the pipe etc. Complete.	2.00	Nos	1518.84	3037.68

61	Carefully removing the existing G.I. pipe 12mm to 50mm diameter from floor / walls / slab etc. with out damaging the structures and taking out the same outside campus etc. completed as directed. (5% cost will be deducted from item of work for material taken outside IIT Campus)	20.00	Rmt	124.52	2490.40
62	Providing and laying 15 mm dia nominal bore I.S.I. approved 'C class galvanized iron pipes having weight as per IS specification to walls, ceilings, floors etc. with screwed sockets, back nuts, elbows, tees, reducers, enlargers, plugs, clamps etc. 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 primer and two coats of oil painting etc. or as directed etc. complete.	10.00	Rmt	305.18	3051.80
63	Providing and laying 20 mm dia nominal bore I.S.I. approved 'C class galvanized iron pipes having weight as per IS specification to walls, ceilings, floors etc. with screwed sockets, back nuts, elbows, tees, reducers, enlargers, plugs, clamps etc. 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 primer and two coats of oil painting etc. or as directed etc. complete.	5.00	Rmt	374.62	1873.10
64	Providing and laying 25 mm dia nominal bore I.S.I. approved 'C class galvanized iron pipes having weight as per IS specification to walls, ceilings, floors etc. with screwed sockets, back nuts, elbows, tees, reducers, enlargers, plugs, clamps etc. 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 primer and two coats of oil painting etc. or as directed etc. complete.	5.00	Rmt	492.87	2464.35
65	Providing and laying 32 mm dia nominal bore I.S.I. approved 'C class galvanized iron pipes having weight as per IS specification to walls, ceilings, floors etc. with screwed sockets, back nuts, elbows, tees, reducers, enlargers, plugs, clamps etc. 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 primer and two coats of oil painting etc. or as directed etc. complete.	2.00	Rmt	565.51	1131.02
66	Providing and fixing 20mm dia. nominal bore gun metal gate valve with C.I. wheel of approved quality (screwed end) with required fittings and fixtures etc. completed as directed.	2.00	Nos	463.32	926.64
67	Providing and fixing 25mm dia. nominal bore gun metal gate valve with C.I. wheel of approved quality (screwed end) with required fittings and fixtures etc. completed as directed.	1.00	Nos	534.16	534.16
68	Centering and shuttering including strutting, propping etc. and removal of form for all heights :Lintels, beams, plinth beams, girders, bressumers and cantilevers,column,wall	10.00	m2	610.41	6104.10
69	Providing and applying exterior coating for wall including Cleaning the surface, removing the laitance, greese, old paints, contaminants, curing compound with wire brushing with water pressure wash. Fine hair line cracks more than 0.50 mm must be widened up to 5 mm minimum in V shape and then fill cracks with Dr. Fixit Crack-X Paste on masonry plaster surface. Apply primer coat prepared with Dr. Fixit Crack-X Paste and water in 1:1 proportion over the crack. Fill Dr. Fixit Crack-X Paste when the surface is tacky and not dried completely. Press Dr. Fixit Crack-X Paste firmly into the crack with a spatula or putty knives and level with the surface. Care must be taken to avoid formation of cavities or bubbles during application. Allow it to set for 24 hours and then apply another coat of Dr. Fixit Crack-X Paste. Apply one coat of Dr. Fixit Primeseal with water in proportion of 2:1 and stir well until a uniform consistency is achieved. Apply a single coat of diluted Primeseal on the cleaned substrate. Allow it to dry for 2 to 3 hours. Apply Base coat of undiluted Dr. Fixit Raincoat Waterproof Coating over the primed surface.	32.00	m2	342.00	10944.00

	Allow the Dr. Fixit Raincoat Waterproof Coating to dry for 4 – 6 Hrs of approved colour. Apply using brush / roller / airless spray. Apply top coat of undiluted High Build durable exterior waterproof wall coating Dr. Fixit Raincoat Select Top coat over the Dr. Fixit Raincoat Waterproof Coating at applied areas of approved colour. Apply using brush / roller / airless spray to achieve DFT of 170 – 180 microns. Allow the Dr. Fixit Raincoat Select Top coat to dry for 6 – 8 Hrs. Allow the coated surface to air cure fully for 7 days. Work includes covering the floor, window glass with plastic sheet and as directed by this office. Work Shall be got executed through certified applicator of the product manufacturing company only and work shall be guaranteed for 03 years by the contractor on requisite stamp paper including submitting written guarantee from said certified applicator. Contractor to submit re-counsilation statement along with challans for work done.				
70	Providing second class burnt brick masonry with IS approved quality well burnt bricks having crushing strength of 35 kg. / square cm. and maximum water absorption of 20% in cement mortar 1:6 in superstructure including striking joints, racking out joints, watering etc. complete as directed.	2.00	m3	8057.85	16115.70
71	Providing and fixing 15 micron anodized/ powder coated aluminium section for door frame, windows, partitions and any other require work etc. of required size including fixing with required fittings such as screws and other required fittings including fixing in proper alignment, rectifying all damaged, P/F wood inside frame for fixing hinges etc. completed as directed.	30.00	Kg	495.00	14850.00
72	Chipping the R.C.C surface and cleaning the rusted reinforcement and exposed surface by wire brush mechanical device or any other established method and applying rust removing solution of approved make and quality with cotton waste swab to reinforcement and allowing to dry the same for 24 hour, brushing of loose particles and applying first coat of rust preventive coating of polymer and cement slurry in 1:1.5 proportion with soft brush without adding water including applying another coat of rust preventing after 4 hours allowing air curing for 48 hours etc. etc. Complete.	10.00	m2	128.00	1280.00
73	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 including 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.	10.00	kg	444.00	4440.00
74	Providing and Placing in position readymix polymer mortar manufacture by Dr. Fixit, Sunanda, Roff, MC Bouchmey, Chembond 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 and finishing the surface etc. Complete. (Payment will be paid for the actual quantity of polymer mortar PX used on weight basis. Challans of authorised Dealer will be verified etc all complete as directed by Estate office).	490.00	kg	75.00	36750.00
75	Providing and erecting at site bamboo double scaffolding wherever required to all height as directed by engineer incharge before commencement of work and removing the same after completion of all external work requiring scaffolding.	250.00	m2	77.00	19250.00
76	Providing and erecting single bamboo scaffolding wherever required to all height as directed by engineer incharge before commencement of work and removing the same after completion of all external work requiring scaffolding.	45.00	m2	40.00	1800.00
77	Providing and erecting mat scaffolding using H-frame and bamboos wherever required upto 15m height as directed before commencement of work and removing the same after completion of all works requiring scaffolding.	9.00	m2	275.00	2475.00

78	Providing and erecting at site steel tubular H-frame double scaffolding with bracings to all heights as directed by engineer in charge before commencement of work and removing the same after completion of all external work requiring double scaffolding.	72.00	m2	144.00	10368.00
79	Disposing debris, loose stones, boulders, concrete pieces broken etc. collected and stacked as directed including loading in trucks, transporting out of IIT Campus including obtaining approval from Government/ private land owners for disposing off on to their approved location. The contractor will be solely responsible for disposing debris out of campus and the debris are to be removed from site within 72 hours from stacking (30% voids will be deducted from actual measurement for debris, loose stones, boulders, concrete pieces).	86.00	m3	688.00	59168.00
Total Amount Rs.					29,00,265.26
Say Rs.					29,00,265.00
At Par					
(In words.....%).....% Above					
(In words.....%).....% Below					
Amount Rs.					
CGST 9%					
SGST 9%					
Net Amount Rs.					
Say Rs.					

(Rupees.....
.....)

(Rates for all items & net amount of total to be filled with figure and words. If it is not done, it will be assumed as incomplete tender & tender opening committee will reject your offer at the time of opening of tenders/quotations).

Note:

- 1) 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.
- 2) This schedule of work is legal documents of Estate Office, IIT Bombay and directed to enlisted contractors to get the copy of schedule of work to fill the rates and can submit his offer. No changes in schedule of work is allowed i.e. item description, units, quantity, rates, etc. If noticed his offer will be rejected and the contractor will be blacklisted or any other strict action will be initiated against him.
- 3) This work is to be executed as per the clauses mentioned in the tender document signed by you. In addition to the existing safety clause of the tender documents a penalty of Rs.5,000/- (per case) will be recovered from the bills of the particular work, in case any safety violations are noticed.
- 4) Tender will be rejected if white ink applied for correction in the schedule of work.
- 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)

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16/13/26
16/13

Signature of the Contractor
Name & Address in full