



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.	Construction of temporary shed and covered walkway along with development of surrounding area for chemical Engineering UG laboratory at Hostel No. 07. EO/A/HOSTEL/WKS-185/24-25	Rs.82,81,447/-	Rs 1,65,000/-	05 months	6100002010

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.

Date and time of submission of tender documents digitally are from 10.02.2025 to 21.02.2025 till 11:15 a.m. Date of opening of Technical Bid will be 21.02.2025 at 11.30 a.m. and Financial Bid 27.02.2025 (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) / Medclaim 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.

MA V. Karm /
MA. E. P. P. /
G. P. P. /
10/24/25

- 13) Labour Licence obtained during last 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.1,65,000/-(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.
- 17) **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.

Note:

Those contractors who do not have documents mentioned above from Sr. No. 1 to 17 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 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)

Handwritten signature and date: 09/02/2025

WORKS UNDERTAKING

EO/A/HOSTEL/WKS-185/24-25

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

Sub : Construction of temporary shed and covered walkaway alongwith development of surrounding area for Chemical Engineering UG laboratory at Hostel No.7.

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 05 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

TO BE UPLOADED ON SRM TENDERING PORTAL WITH FINANCIAL BID

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

File No. : EO/A/HOSTEL/WKS-185/24-25

Name of Work : Construction of temporary shed and covered walkaway alongwith development of surrounding area for Chemical Engineering UG laboratory at Hostel No.7.

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.

R. Shrivastava
07/02/2025

Superintending Engineer (I/C)

(Signature)

Signature of Contractor
Name & Address in full

INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
POWAI, MUMBAI – 400076

EO/A/HOSTEL/WKS-185/24-25

ESTATE OFFICE

Name of work : Construction of temporary shed and covered walkway alongwith development of surrounding area for Chemical Engineering UG laboratory at Hostel No.7.

Schedule of Work

Sr. No.	Description of work	Qty.	Unit
1	Surface dressing of the ground including removing vegetation and inequalities and disposal of rubbish, debris, vegetation, etc all complete as directed by Engineer In-charge.	500.00	Sqm
2	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, hard murum & boulders up to 1.50 meter depth including removing the excavated materials beyond the building area, stacking and spreading as directed including dewatering , preparing the bed for the foundation and necessary backfilling, ramming, watering etc all complete as directed by Engineer In-charge.	210.00	Cum
3	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, hard murum & boulders beyond 1.50 meter upto 3 meter depth including removing the excavated materials beyond the building area, stacking and spreading as directed including dewatering , preparing the bed for the foundation and necessary backfilling, ramming, watering etc all complete as directed by Engineer In-charge.	10.00	Cum
4	Dismantling stone masonry in cement mortar with plaster / pointing without dust nuisance including sorting out the stone chips and debris separately and stacking at suitable location for taking outside IIT campus etc. all complete as directed by Engineer In-Charge.	5.00	Cum
5	Dismantling plain cement concrete work including breaking concrete by chiselling, wedging etc., and stacking the same at suitable locations for taking away out of IIT campus etc. all complete as directed by Engineer In-Charge.	5.00	Cum
6	Removing the existing damaged fencing, shutters, grills, framework, etc of any size & type with fittings of any height with steel members, chain links, barbed wires & concetrina and stacking the same on approved location as directed or taking away the same out of IIT campus including breaking, cutting, transportation, loading, unloading and cleaning the site with scaffolding/setpladder wherever required etc all complete as directed by Engineer In-Charge. (Dismantled unusable MS scrap will be taken away out of IIT campus by issuing proper gate pass and recovery of steel will be done at Rs 20/kg)	320.00	Kg
7	Excavating, supplying and filling with contractors murum in trenches,plinth, foundation & floors in 15cm to 20cm layers including ramming and watering etc all complete as directed by Engineer In-Charge.	70.00	Cum
8	Providing dry trap / rubble stone soling 15cm to 20cm thick including hand packing and compacting etc. all complete as directed by Engineer In-charge.	95.00	Cum

9	Providing and laying plum concrete of M20 mix using stone of size not more than 230mm and proportion of plum to concrete is at the rate of 20:80 including curing, formwork, dewatering, etc. all complete as directed by Engineer In-Charge.	20.00	Cum
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 by Engineer In-charge.	45.00	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 by Engineer In-charge.	23.00	Cum
12	Providing & fixing centering and shuttering including strutting, propping etc. at any height without any gap for foundations, footings, bases of columns, etc including necessary supports, jacks wherever required with adequate bracing, propping, etc including cost of de-shuttering & de-centering at all levels etc. all complete as directed by Engineer In-charge.	150.00	Sqm
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 by Engineer In-charge.	97.00	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 by Engineer In-charge.	65.00	Sqm
15	Providing uncoursed rubble masonry of trap stones in cement mortar 1:6 in foundation and plinth including bailing out water manually, striking joints on unexposed faces and pointing with cement mortar 1:3 on outside exposed faces and watering etc all complete as directed by Engineer In-charge.	2.00	Cum
16	Providing cement plaster 20mm 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 by Engineer In-charge.	450.00	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 equivalent.</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 devise including adding additional required quantity of cement for managing richer mix preferable ordinary portland cement 43 grade variety of approved brand at no extra cost, doing regular curing for minimum 7 days.</p> <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>	350.00	Sqm
18	<p>Providing sand face cement plaster externally using approved screened sand in all positions including base coat of 15mm thick in cement mortar 1:4 using water proofing compound @ 2% by weight of cement and curing the same for not less than two days and keeping the surface of base coat rough to receive the sand faced treatment 6 to 8mm thick in cement mortar 1:4, finishing the surface by taking out grains and curing for 14 days, scaffolding etc all complete as directed by Engineer In-Charge.</p>	230.00	Sqm
19	<p>Providing & fixing in position mild steel / tor steel / TMT bar reinforcement (Fe 500D) of various diameters for RCC lintels, beams, slabs, column, footings 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 by Engineer In-charge.</p>	2,000.00	Kg
20	<p>Providing and fabricating structural steel works in rolled sections like joists, channels, angles, tees, hollow sections and any other required sections etc. as per detailed designs & drawings for supports, rafters, purlins, railing, staircase and any other work including fixing in position with connecting plates, braces and welding, riveting, bolting as necessary including one coat of redoxide priming coat, scaffolding etc. all complete as directed by Engineer-In-Charge.</p>	11110.00	Kg
21	<p>Supplying and fixing in position sandwich roofing using color galvalume profile pre-coated sheet for roofing having thickness 0.5mm TCT and jindal make with required colour at top and bottom sheet including necessary accessories like self drilling and tapping screws with weather cap with all leads and lift and fixing as per manufacturers specification, stitching the lap joints (Minimum 150mm) along the length of the sheet with rivets at a maximum spacing of 450 mm including necessary cutting of sheet wherever required and fixing properly in all respects to make the wall /roof water tight and leak proof, providing and fixing WMVPR RB Glasswool 16 kg/m³ - 50mm thickness between galvalume sheets and G. I. Channel having 50mm depth and 1.5mm thickness and connecting the Z purlins with each other including scaffolding etc complete all as directed. No extra payment will be made for overlapping.</p>	250.00	Sqm

22	Providing fabricating and fixing in position C shape pre-coated G.I flashing with 0.50 mm TCT of Jindal make with required lapping for side of roofing sheet including cutting and fabricating in approved design, fixing the flashing properly as per manufacturer's specification etc. complete as directed by Engineer In-charge.	95.00	Rmt
23	Providing & fixing co-extruded UV protected Microcell panel System 12mm thick (minimum) Polycarbonated UV installed sheets of Danpalon / SABIC / CE / Tuflite/Rooflite/Neolite any approved make of approved colour with antiglare softline colour on one side to prevent glare in curve or plane shape including all fittings and fixtures such as snap on connector with grip lock double tooth locking mechanism, mill finish aluminium U profile end cap, required flashing at the junction of wall/concrete surface and sheets and other required fittings as per manufacturer specifications and including making watertight at junction etc. all complete as directed by Engineer In-charge.	160.00	Sqm
24	Providing and fixing mild steel grill work of required pattern for windows, open area, etc. With M.S angles, flats, square or round bars and doors in M.S. grill including fixtures, necessary welding and painting with one coat of anti-corrosive paint and two coats of synthetic enamel paint and scaffolding wherever required, etc. all complete as directed by Engineer In-charge.	480.00	Kg
25	Providing and fixing 20mm thick cement bonded wood particle board (bison panel) for chajja, ceiling at any floor, providing suitable hole for fixing nuts and bolts including making suitable groove on plaster and vatta, proper slope, scaffolding wherever required etc. all complete as directed by Engineer In-charge.	15.00	Sqm
26	Providing fabricating and fixing in position aluminium sheet gutter made up of Aluminium alloy of Hindalco or equivalent make in square cross section as per existing pattern including stitching the joints with 70 mm lap using seam bolt, aluminium pop rivets etc and application of proper sealant including cutting and fabricating, fixing the gutter properly and bolting with Al nut-bolt and washer etc complete in all respects to make the joints water tight and leak proof etc as directed by Engineer In-charge.	30.00	Rmt
27	Providing and fixing P.V.C. rain water pipes 160mm 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, filling the joints using rubber gasket with solvent cement and properly resting the shoe of pipes on C.C. or masonry blocks, including necessary scaffolding, and maintenance for 3 years for any type of leakages or dislocation of pipes. All the PVC fittings and additional two piece socket clips shall be got approved from Engineer In-charge etc. all complete as directed by Engineer In-charge. (Make-Finolex/Kissan/Prince)	20.00	Rmt
28	Providing and laying polished Kota stone slab not less than 25mm thick for flooring in desired pattern on bed of 1:4 cement mortar including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. all complete as directed by Engineer In-charge.	210.00	Sqm

29	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 pigment to match the colour of tiles, curing, rubbing and cleaning etc.all complete as directed by Engineer In-charge. (MAKE : SOMANI/KAJARIA/JOHNSON/NITCO/EURO)	10.00	Sqm
30	Providing and fixing kadappa stone slab for platform of approved type and design not less than 25mm thick in cement mortar 1:4 including filling joints,curing,cleaning etc. all complete as directed by Engineer In-charge.	6.00	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.	30.00	Sqm
32	Providing and laying 15mm diameter I.S.I approved heavy type galvanised iron pipes having weight as per IS specification to walls,ceilings, floors etc. with screwed sockets, backnuts, 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 including necessary scaffolding etc all complete as directed by Engineer In-charge.	50.00	Rmt
33	Providing and laying 25mm diameter I.S.I approved heavy type galvanised iron pipes having weight as per IS specification to walls,ceilings, floors etc. with screwed sockets, backnuts, 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 including necessary scaffolding etc all complete as directed by Engineer In-charge.	20.00	Rmt
34	Providing and fixing P.V.C. soil / waste water pipes 50mm inner dia. and having wall thickness of 2 to 3.2 mm conforming to I.S. 13592-1992 including with P.V.C. plug bend, necessary fittings such as offsets, tee,elbow including fixing the pipe on wall using approved M.S cleats projecting 25mm to 40mm from face of wall and fixing with clips of approved quality and number or laying the pipe on slab in the concrete, filling the joints using rubber gasket with solvent cement including necessary scaffolding and making connections to existing chambers by drilling hole and make it watertight etc. all complete as directed by Engineer In-charge.	20.00	Rmt
35	Providing and fixing P.V.C. soil / waste water pipes 75mm inner dia. and having wall thickness of 2 to 3.2 mm conforming to I.S. 13592-1992 including with P.V.C. plug bend, necessary fittings such as offsets, tee,elbow including fixing the pipe on wall using approved M.S cleats projecting 25mm to 40mm from face of wall and fixing with clips of approved quality and number or laying the pipe on slab in the concrete, filling the joints using rubber gasket with solvent cement including necessary scaffolding and making connections to existing chambers by drilling hole and make it watertight etc. all complete as directed by Engineer In-charge.	10.00	Rmt

36	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 or laying the pipe on slab in the concrete, filling the joints with PVC solvent including necessary scaffolding and making connections to existing chambers by drilling hole and make it watertight etc. all complete as directed by Engineer In-charge.	20.00	Rmt
37	Providing and fixing 15mm dia gate valve of ISI mark (Brass) including necessary socket union/nut etc all complete as directed by Engineer In-charge.	2.00	Nos
38	Providing and fixing 25mm dia gate valve of ISI mark (Brass) including necessary socket union/nut etc all complete as directed by Engineer In-charge.	2.00	Nos
39	Providing and fixing 3 way rotating wheel C. P. Pillar tap with long neck 15 mm size, approved make, heavy type, weight not less than 400gm including necessary fittings and fixtures etc. All complete as directed by Engineer In-charge.	2.00	Nos
40	Providing and fixing CP angular stop cock with wall flange (FLR-CHR-5053N) 15mm size, Jaquar make heavy type, weight not less than 400gm including necessary fittings and fixtures etc. all complete as directed by Engineer In-charge.	2.00	Nos
41	Providing and fixing CP Bib Tap with wall flange (CON-CHR-047KN) 15mm size, jaquar make heavy type including necessary fittings and fixtures etc. all complete as directed by Engineer In-Charge.	2.00	Nos
42	Providing and fixing stainless steel sink having bowl size 560x410x254mm of nitali make inside platform or on brackets including UPVC waste coupling pipe upto outlet pipe, steel waste coupling etc. complete as directed by Engineer In-charge.	2.00	Nos
43	Providing and fixing ISI 1729/2002 grade 75mm dia. cast iron waste water pipes with necessary fittings such as bends, tees, single junctions, double junctions, slotted vent, offsets on walls or in the ground including filling joints with cement mortar 1:2 and two coats of anticorrosive paint including fixing the pipe on walls by means of nails driven through lugs in wooden holders / battens including necessary scaffolding complete or as directed by Engineer In-charge.	25.00	Rmt
44	Providing and fixing 10cm cast iron nahani trap with cast iron plug bend and piece of cast iron pipe upto plug bend etc. all complete as directed by Engineer In-Charge.	4.00	Nos
45	Providing and fixing 15cm x10cm Salt Glazed Stoneware Gully Trap in cement concrete 1:1.5:3 outside the building including connecting to PVC waste water pipe ,brick masonry chamber with cast iron lid grating for the gully trap etc. all complete as directed by Engineer In-Charge.	2.00	Nos

46	Providing and fixing stainless steel 304 grade cockroach trap of approved pattern, quality and make with all required fittings and fixtures etc. all complete as directed by Engineer In-Charge.	4.00	Nos
47	Providing and fixing Hyper brand automatic hydraulic door closer, with necessary accessories and screws etc. all complete as directed by Engineer In-charge.	8.00	Nos
48	Providing and fixing in position three track aluminium sliding windows using sections of size 92 mm x 31mm x 1.3 mm thick for bottom, sides and top. The shutter comprising of bottom and top member of size 40 mm x18 mm x 1.25 mm thick , interlocking section of size 40 mm x 18 mm x 1.10 mm thick and handle section of size 40mm x 18 mm x 1.25 mm thick including providing and fixing 5 mm thk. glass in two shutters and aluminium fly proof mesh in one shutter using rubber gasket, approved quality minimum two nos.PVC rollers for each shutter, necessary locks, handles, PVC lining and other required fittings, etc. all complete as directed by Engineer In-charge..(Note: All aluminium sections should be 15 micron anodized/ powder coated).	20.00	Sqm
49	Providing and fixing in position two track aluminium sliding windows using sections of size 61 mm x 31mm x 1.3 mm (not less than 0.659kg/mtr) thick for bottom, sides and top. The shutter should be of bearing bottom of size 40 mm x18 mm x 1.25 mm (not less than 0.417kg/mtr) thick , top member of size 40 mm x 18 mm x 1.20 mm (not less than 0.475kg/mtr) thick, Interlocking section size of 43 mm x 27 mm x 1.30 mm (not less than 0.558kg/mtr) thick and handle section of size 43mm x 18 mm x 1.30 mm (not less than 0.424kg/mtr) thick including providing and fixing 5mm thk. glass in the shutter using 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 and fitting are 15 micron anodized/ powder coated).	4.00	Sqm
50	Supplying, fabricating and fixing in position fully openable aluminium window using aluminium sections 42 x 30 x 1.5mm (not less than 0.526 kg/mtr) size aluminum single border outer frame of window shutter, 42 x 37 x 1.5mm (not less than 0.724 kg/mtr) size aluminum Z section for window shutter, 28 x 14.5 x 1.5mm size (not less than 0.286 kg/mtr), aluminum clip for window shutter, 45 x 45 x 1.5mm size (not less than 0.764 kg/mtr) Z aluminum center patti for mullion, 37mm x 37mm (not less than 0.820 kg/mtr) angles 2mm thick, 5mm thick plain or frosted glasses with rubber gasket, 3 Nos. S.S. hinges 75mm size (heavy) on each window shutter, aluminum tower bolt 100mm size 1 Nos on each leaf, aluminum stay 200mm to 250mm long 1 No per leaf, aluminum handle 1 Nos. per leaf, etc. all complete as directed by Engineer In-charge.(Note: All aluminium sections and fitting are 15 micron anodized/ powder coated).	2.00	Sqm
51	Providing and fixing shutter below platform and for cupboard made of aluminium anodized 15 micron or powder coated L type section for frame 38 x 25x1.2mm or near available handle section 40x18x1.2mm for shutter Top & bottom and sides, P/F 4mm thick hardner sheet of bakelite P/F stainless steel hinges 75mm x 20mm , S.S. Tower bolt and magnet . handle (S.S.) fixing shutter on aluminium frame with screws properly in line and level, etc. all complete as directed by Engineer In-charge.	5.00	Sqm

52	<p>Providing, making and fixing partly glazed partly opaque aluminium partition using 63mm x 38mm x 1.65mm (not less than 0.942kg/mtr)15 micron / powder coated anodized aluminium single groove partition section and 63mm x 38mm x 1.53mm (not less than 0.942kg/mtr) 15 micron / powder coated anodized aluminium double groove partition section for frame and 4mm thick both side colour and designer aluminium composite sheet of approved make of approved colour up to 1200mm height or as per requirement and 5mm thick clear plate glass fixed with glazing clips, rubber gasket etc. all complete as directed by Engineer In-charge. (Note: All aluminium sections and fitting are 15 micron anodized/ powder coated).</p>	90.00	Sqm
53	<p>Providing, fabricating and fixing in position partly opaque and partly glazed aluminum anodized openable door in single or double leaf shutter using aluminum standard door section 80mm x 40mm (not less than 1.139kg/mtr) for verticals and middle, 100mm x 40mm (not less than 1.60kg/mtr) for top & bottom members, 4mm thick both side colour and designer aluminium composite sheet up to 1200mm height or as per plan and 5mm thick clear/ bajri glass above opaque panels, glazing clips, rubber gasket including using 3 nos stainless steel hinges 4" long for each shutter, 9" long stainless steel handles 2 nos. for each shutter, lock, stainless steel tower bolt 8" long 1 no for each shutter and other required fittings etc. all complete as directed by Engineer In-charge. (Note: All aluminium sections and fitting are 15 micron anodized/ powder coated).</p>	8.00	Sqm
54	<p>Providing & fixing 12mm thick Gypsum board on partition, false ceiling including, making necessary groves wherever required as per standard practice, The boards should be taped and filled from underside to give smooth, seamless surface with all required fittings and fixtures etc. complete as directed by Engineer In-charge.</p>	5.00	Sqm
55	<p>Providing and fixing tiled G.I lay in perforated metal false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights including scaffolding/stepladder wherever required as per specifications, drawings etc. all complete as directed by Engineer In-Charge.</p>	40.00	Sqm

56	Providing and fixing weld mesh of 25mm x 25mm (10 guage) to structural steel frame work as per existing pattern of detailed drawing or as directed one coat of primer and two coat synthetic enamel paint, scaffolding etc. all complete as directed by Engineer-In-Charge.	5.00	Sqm
57	Providing and applying Silicon sealants of approved make around window frames / window frame joints and drill holes for water outlet when the rain water on the glass fall into the channel and overflows wherever required including scaffolding etc. all complete as directed by Engineer In-charge.	60.00	Rmt
58	Providing and fixing 35 mm thick Fiberglass Reinforced Plastic (F.R.P.) flush door shutter (make-advance/Ravji) with matte finish and of approved colour shade to existing frame in different plain and wood finish made with fire retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate all around, with suitable wooden blocks inside at required places for fixing of fittings like 100mm brass hinges 3 nos, 200mm brass tadi patti with packing 2no, 150mm brass handles 2 nos on each shutters and polyurethane foam (PUF)/ Polystyrene foam to be used as filler material throughout the hollow panel, casted monolithically with testing parameters of F.R.P. laminate conforming to table - 3 of IS: 14856, etc. all complete as directed by Engineer In-charge.	12.00	Sqm
59	Providing and constructing Brick Masonry Inspection Chamber 90 cm x 45 cm and 45 cm to 90 cm in depth including necessary excavation, cement concrete in M-20 foundation, 23 cm thick channels, brick masonry, plastering from inside and outside as required in cement mortar 1:3 and airtight RCC cover with frame work fixed in cement concrete 1:2:4 etc all complete as directed by Engineer In-charge.	2.00	Nos
60	Providing and fixing precast RCC slab for drain cover and chamber cover of required size with M-25 grade concrete and reinforced with 10mm dia main steel bars (along shorter span) and 8mm. dia distribution bars (along longer span) at 100mm center to center including making steel form work, making temporary concrete platform for casting, compaction using surface vibrator, with two lifting hooks of 6mm dia / holes of 25mm dia finishing the surface with smooth cement finish curing, placing the precast slab in proper position etc all complete as directed by Engineer In-charge.	7.00	Cum
61	Providing and laying Non Pressure NP-4 class (Heavy duty) 450 mm R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. All complete as directed by Engineer In-charge.	20.00	Rmt
62	Making necessary connection / disconnection to existing chamber / branch line / tank or as specified etc. with making necessary hole / cutting etc. & remaking the same etc.all completed as directed by Engineer In-charge.	2.00	No
63	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 by Engineer In-charge.	450.00	Sqm

64	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 by Engineer In-charge. (Asian/Berger/Nerolac)	450.00	Sqm
65	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 by Engineer In-charge. (Asian / Berger / Nerolac / ICI)	450.00	Sqm
66	Providing and applying one coat of one coat of acrylic primer and two coats of exterior acrylic paint of approved colour & shade on old or new plastered surface over concrete / brickwork as per manufacturer's specification including scaffolding and 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 paints (Ultima), Nerolac (Excel total)	350.00	Sqm
67	Removing and relaying old available paver blocks in specified pattern for floor and steps etc. including 50mm thick compacted bed of crushed sand in specified decorative designs with blocks of available colour and pattern including filling the joints with crushed sand, compacting blocks with mechanical means after laying and cleaning including shifting within campus etc. all complete as directed by Engineer In-charge.	10.00	Sqm
68	Providing and laying interlocking cement concrete paver blocks in specified pattern 80mm thick with compressive strength not less than 40N /sqm and as per IRC : SP:63-2004 manufactured by mechanised blocks with moulding machine, laying the blocks with proper line, level and required slope, including compacting and pressing with paver block pressing machine including providing and laying necessary sand bedding 20-40mm thick as required and joint filling using sand of gradation as per IRC : SP:63-2004 clause 6.5.1 and 6.5.2 respectively and as directed by Engineer In-charge.	20.00	Sqm
69	Collecting, transporting and shifting of surplus excavated materials, debris from anywhere inside of IITB Campus to low lying area or as directed for foundation including loading by mechanical means (JCB, Truck) and unloading the same to the low lying area, spreading, levelling, watering and compaction the same etc. all complete as directed by Engineer In-charge. (30% voids will be deducted of inside hold of truck for truck measurement).	50.00	Cum
70	Hiring charges for J.C.B/mini poclain for excavation, cutting and levelling the heaps of soil including necessary labour, operator, fuel etc. excavating, shifting, spreading and leveling the soil at low laying area etc. all complete as directed by Engineer In-charge.	16.00	Per Hr.

71	Hiring charges for MCGM registered structural consultant to obtain detailed design & drawings of the sheds, walkway, drains to supervise the overall execution and issuing structural stability certificate for the same, etc all complete as directed by Engineer In-charge.	1.00	Job
72	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 by Engineer In-charge. (30% voids will be deducted from actual measurement for loose stones, boulders, concrete pieces)	15.00	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.

R. Chhapra
07/02/2025
Superintending Engineer (I/C)
R. Chhapra