

TO BE UPLOADED ON SRM TENDERING PORTAL WITH FINANCIAL BID

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

File No. : EO/A/HOSTEL/WKS-77/24-25

Name of Work : Replacement of damaged glass blocks wall by toughened glasses at sky bridge of Hostel No.12 A-wing (Cultural room).

Name of the Contractor -----

Sr. No.	Name of Client	Name of Works	2021-22 (In Lakhs)	2022-2023 (In Lakhs)	2023-2024 (In Lakhs)	2024-2025 (In Lakhs)	
						Completed	Balance
			-	-	-	-	-
			-	-	-	-	-
Total Amount (In Lakhs)			-	-	-	-	-

Note : Contractor must submit his details as per Annexure 'A' with declaration stating that **he is possessing all the original copies of work orders and experience certificates, it will be produced as and when required to IIT Bombay.** However, if it is found false at later stage, the contractor will be debarred or blacklisted. Whereas, if information is not submitted as per Annexure 'A' format his bid capacity will not be calculated and his tender will be summarily rejected.

Superintending Engineer (I/C)

Signature of Contractor
Name & Address in full

WORKS UNDERTAKING

EO/A/HOSTEL/WKS-77/24-25

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

Sub : Replacement of damaged glass blocks wall by toughened glasses at sky bridge of Hostel No.12 A-wing (Cultural room).

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 02 calendar months as mentioned in the notice inviting for short tenders.

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

I / We agree to keep the tender open for One Hundred and Eighty (180) days from the due date of its opening / One Hundred and Eighty days from the date of opening of financial bid in case tenders are invited on 2/3 envelope system and not to make any modification in its terms and conditions.

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

The Mandays required for completion of work. :

Thanking you,

Yours faithfully,

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

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

EO/HOSTEL/WKS-77/24-25

ESTATE OFFICE

Name of work :- Replacement of damaged glass blocks wall by toughened glasses at sky bridges of Hostel No. 12 A-wing (Cultural room).

Schedule of work

Sr. No.	Description of work	Qty.	Unit
1	Removing and taking away the existing damaged M.S. pipes, beams, channels, angles, flats, square bars etc. by using gas cutter/gas welding out of IIT Campus including transportation, loading and unloading, scaffolding etc. all complete as directed by Engineer In-charge.(Recovery of scrap material will be done @ Rs. 10 per kg)	1000.00	kg
2	Removing windows of any size and type with frame or without frame including all fittings and fixtures and taking out the same outside IIT Campus etc. all complete as directed by Engineer In-charge. (15% amount of this item will be deducted for scrap value of material) (Scaffolding will be paid separately in respective item)	20.00	Sqm
3	Removing aluminium grill & louvers etc with frame or without frame including all fittings and fixtures and taking out the same outside IIT Campus etc.all complete as directed by Engineer In-charge. (15% amount of this item will be deducted for scrap value of material) (Scaffolding will be paid separately in respective item)	25.00	Sqm
4	Carefully removing the existing façade external glazing, Glass block façade, any cladding, or any other external façade elements/ features including loading and unloading the same at safe place to take away out from the campus, etc. all complete as directed by Engineer In-charge. The area in vertical plane shall be measured. (Scaffolding will be paid separately in respective item)	70.00	Sqm

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 at suitable location to take away out of IIT campus, cleaning the site etc. all complete as directed by Engineer In-charge. including scaffolding, 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.	30.00	Sqm
6	Carefully removing any type of tiles from floor / wall including levelling the surface, cleaning the site, stacking the debris at suitable location to take away out of IIT campus, including scaffolding etc. all complete as directed by Engineer In-charge.	50.00	Sqm
7	Carefully exposing the existing damaged RCC members like columns, beams, slabs, chajjas, paradis, fins etc in patches or any length by using electrical cutting tools / manually means up to any depth till the corroded reinforcement will be opened allround without damaging brickwork, plaster in the vicinity, cleaning, stacking the debris with in 50 meter for taking away out of IIT campus, cleaning the site , including scaffolding, covering the furniture with plastic sheet while exposing concrete etc. all complete as directed by Engineer In-charge. Note: a)Proper tools to be used for removal of concrete. b)The rate shall include the required height and doing work at all heights and lifts.	10.00	Sqm
8	Old reinforcement treatment providing and applying reinforcement treatment, comprising of following operations. · Cleaning the reinforcement from all sides by using wire brush, tools etc. · Application of rust converter (Alkaline base) as per manufacturers specification, cleaning if required including scaffolding etc. all complete as directed by Engineer In-charge. Actual consumption of Alkaline base converter shall be measured for payment on weight basis. Challans of authorized dealer will be verified.	5.00	kg

9	<p>Providing and applying an effective bond coat of Polymer (SBR) approved by IITB and cement in the proportion of 1:1 using brush in multiple coats as required to accommodate the whole thickness of polymer modified mortar wherever required on the surface of old concrete or repaired concrete including scaffolding. Polymer (SBR) of approved manufacturer should have the following properties: Suspended solid particle should not be less than 40%-specific gravity should not be more than 1.01-PH should not be less than 8.5. Note : The actual consumption of polymer shall be measured for payment on weight basis. Challans of authorised dealer will be verified.</p>	25.00	kg
10	<p>Providing & placing in position readymix polymer mortar manufacture by Dr. Fixit, Sunanda, Roff, MC Bouchmey, Chembond and approved and adding water in the proportion of 1:0.14 (polymer mortar: water) on prepared concrete surface in layers as directed including scaffolding, mixing the polymer mortar with water using forced action mixer mild curing with water for 3 days etc. all complete as directed by Engineer In-charge. Payment will be paid for the actual quantity of polymer mortar PX used on weight basis. Challans of authorised dealer will be verified.</p>	1,000.00	kg
11	<p>Providing and laying super fluid micro concrete of approved manufacturer at any floor after reinforcement treatment coat including mixing with 5mm to 10mm size quartz aggregate in the ratio of 1 part ACC shrikomp to 0.75 part of quartz aggregate by weight providing marine plywood formwork in line and level, cleaning, curing, scaffolding etc. complete. the compressive strength of super fluid micro concrete should not be less than 20N / mm² etc. all complete as directed by Engineer In-charge.</p>	100.00	kg
12	<p>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, finishing the top surfaces with broken china mosaic (broken piece of glazed tiled) of approved colour & pattern including neat cement float, testing the roof by ponding with water for 14 days, providing waterproofing guarantee for 3 (Three) years in requisite non judicial stamp paper in favour of IITB etc. all complete as directed by Engineer In-charge.</p>	10.00	Sqm

13	Providing & fabricating structural steel works in rolled section like M.S. pipes, beam, channels, angles, flats, square bars, spikes etc as per site requirement including fixing in position with connecting plates, braces and welding, riveting, bolting as necessary including scaffolding etc. all complete as directed by Engineer In-charge.	700.00	kg
14	Designing, Providing, installing and fixing factory finished customed design pregalvanized high tensile steel joists, pipes, beam, channels, angles, flats, square bars, spikes etc as per site requirement including fixing in position with connecting plates, braces and welding, riveting, bolting as necessary including scaffolding etc. all complete as directed by Engineer In-charge. (Scaffolding will be paid separately in respective item)	700.00	kg
15	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates, standard connectors, flange cap, studs, newel post cap, and all other accessories etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, including fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement including scaffolding etc. all complete as directed by Engineer In-charge.(for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts,fasteners etc.).	250.00	kg
16	Providing cement plaster 20mm thick in single coat in cement mortar 1:4 to concrete or brick surfaces in all positions including scaffolding, curing etc. all complete as directed by Engineer In-charge.	20.00	Sqm
17	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 6to 8 mm thick in cement mortar 1:4, finishing the surface by taking out grains and curing for 14 days including scaffolding etc. all complete as directed by Engineer In-charge.	10.00	Sqm

18	Providing and laying colour veined granite slabs not less than 16 mm thick of approved quality colour and veins for doors/windows, claddings, partitions laid on a bed of 1:4 cement mortar including rounding / moulding, filling joints with white/coloured cement to match colour of tiles, curing polishing etc. all complete as directed by Engineer In-charge.	10.00	Sqm
19	Providing and laying vitrified non skid decorative type tiles of size 600mm X 600mm or as per existing pattern and 8 to 10mm thick of approved make, shade and pattern and having water absorption between 0.08% to 2.5% for flooring / skirting in required position laid on a bed of 1:4 cement mortar including neat cement float, filling joints with cement slurry, curing and cleaning etc all complete as directed.	50.00	Sqm
20	Providing and applying one priming coat of IITB approved brand over steel and other metal surface, including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter, sand papering including scaffolding etc. all complete as directed by Engineer In-charge.	20.00	Sqm
21	Providing and applying two coats of synthetic enamel paint of IITB approved brand and shade to wood and steel work including scrapping, cleaning, covering the floor, windows, instruments during painting, easing all fittings including scaffolding etc. all complete as directed by Engineer In-charge.	20.00	Sqm
22	Providing & applying one coat of protectomastic self priming high build coating / Concessive ZRi of approved make, solvent borne zinc rich epoxy primer, having thickness as per manufacturer specification including applying one coat of intermediate epoxy high build finish and followed by two coats of an acrylic polyurethane enamel paint of Berger / Masterseal 260 of BASF / NEROLAC / ASIAN, applying on to prime surface to obtain thickness as per manufacturer's specification on exposed structural steel members including preparing & cleaning, removing all old surface coating and corrosion, cement plaster residue etc. by using steel wire brushes/chisels, emery/sand papers, compressors/air blowers etc including necessary taking all safety precautionary measures, covering the floor area by plastic, removing stains of paint from floor etc.all complete as directed by Engineer In-charge.(MAKE BY : BERGER/BASF/NEROLAC/ASIAN PAINTS)(Scaffolding will be paid separately in respective item)	150.00	Sqm

23	Providing and applying one coat of seal cement primer of IITB approved brand including scrapping the surface of walls/ceiling, cleaning the surface with the use of scaffolding/stepladder including leveling the entire surface etc. all complete as directed by Engineer In-charge.	650.00	Sqm
24	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 , preparing and levelling the surfaces with Acrylic palty/putty, as per manufactures specification including scaffolding/stepladder etc. all complete as directed by Engineer In-charge.	650.00	Sqm
25	Supplying, fabricating and fixing in position fixed glazing system using 89mm x 32mm (1.933 kg/mtr) aluminium section for frame with (8+8) mm thick double clear toughened glass including fixing with lamination sheet as per site requirements between two (8+8) mm thick double glass including using glazing clips/ 'U'/F' channel for border with rubber gaskets and other necessary fittings ,pump filled structural silicon sealent & hardware, making watertight, circular cut outs/holes wherever required etc. all complete as directed by Engineer In-charge. (All aluminum sections should be 15 micron anodized/ powder coated).(Scaffolding will be paid separately in respective item)	75.00	Sqm
26	Design, supply and installation of ACP work incorporating of 4 mm thick Aluminum Composite Cladding sheet of Altobond or Eurobond make of approved colour, the top and bottom layer of 0.5 mm thick Aluminum Sheet sandwiched with 3 mm thick polythylene core, supported by M. S. cleat duly black painted. The back up structure will be made of Aluminum 38 mm x 38 mm rectangular tube with all fittings, fixtures, hardware and pump filled 789 grade Silicone Sealant with all fittings and fixtures up to any height for ACP facade cleaning work etc. completed as directed by Engineer In-charge.(Scaffolding will be paid separately in respective item)	10.00	Sqm
27	Supplying, fabricating and fixing in position aluminum openable window using aluminum L tube section 24mm x 45mm (0.526 kg/mtr) for window frame, 18 mm x 40mm (0.494 kg/mtr) for outer & 18 mm x 42 mm (0.503 kg/mtr) for intermediate frame of window shutter fitted with aluminum mosquito net , including using 2 nos S.S. hinges 75mm long for each shutter, aluminium Z handle 1 nos , fixing glazing clips/ 'U'/F' channel for border and other necessary fittings,pump filled structural silicon sealent & hardware etc. all complete as directed by Engineer In-charge. (All aluminum sections should be 15 micron anodized/ powder coated).(Scaffolding will be paid separately in respective item)	20.00	Sqm

28	Supplying , fabricating and fixing in position fully glazed aluminium openable glass window (pivoted type window) using 15 micron anodised/ powder coated 52mm dhumal section for window shutter and border outer frame, Z clip, mulion, aluminium angle, 5mm thick plain/tinted glass with rubber gasket, adjustable hinges 2 Nos. on each shutter, Z handle 1 Nos including pump filled structural silicon sealent & hardware, making watertight etc. all complete as directed by Engineer In-charge. (all aluminium sections should be anodized / powder coated section)(Scaffolding will be paid separately in respective item)	20.00	Sqm
29	Providing and fixing 15 micron anodized / powder coated aluminum section of various sizes and shape including fixing it in proper position with screws for making frames including drilling holes etc.all complete as directed by Engineer In-charge.(Scaffolding will be paid separately in respective item)	50.00	kg
30	Providing and fixing double scaffolding system (cup lock type) , upto any height including additional rows of scaffolding in stepped manner as per requirement of site, made with 40mm dia M.S. tube, placed 1.5 metre centre to centre, horizontal & vertical tubes joint with cup & lock system with M.S. Tubes, M.S. tube challis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition . The scaffolding system shall be stiffened with bracings, runners, connecting with the building etc, wherever required, if feasible, for inspection of work at required locations with essential safety features for the workmen etc.all complete as per directions and approval of Engineer-in-charge. Note:- (1) The elevational area of the scaffolding shall be measured for payment purpose. (2) The payment will be made once only for execution of all items .	160.00	Sqm
31	Providing and fixing Jute hessian fabric screen at the outer side of sky bridge of hostel No. 12 A-wing (Cultural room) as directed including scaffolding, removing the same after the work is over & taking away out of IIT campus etc. all complete as directed by Engineer In-charge.	180.00	Sqm
32	Providing and fixing 12 mm thick waterproof plywood at the outer side of sky bridge of hostel No. 12 A-wing (Cultural room) as directed including scaffolding, support system, removing the same after the work is over & taking away out of IIT campus etc. all complete as directed by Engineer In-charge.	180.00	Sqm

33	Providing and covering the floor with protection rubber mat of required size 12mm thickness and taking away after completion of work etc. all complete as directed by Engineer In-charge.	50.00	Sqm
34	Hiring charges for government registered structural consultant to obtain necessary drawings & design of structural steel sky bridge along with toughened glass Glazing system, 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
35	Disposing debris, loose stones, boulders, concrete pieces etc. collected and stacked as directed including loading in trucks, transporting out of IIT Campus including obtaining permission of BMC competent authorities for disposing off on to their approved locations. (30% voids will be deducted in case of truck measurement) etc. all complete as directed by Engineer In-charge.	5.00	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 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.

[Handwritten Signature]
23/08/2024

Superintending Engineer (I/C)

[Handwritten Signature]

[Handwritten Signature]



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.	Replacement of damaged glass blocks wall by toughened glasses at sky bridge of Hosel No. 12 A-wing (Cultural Room) EO/A/HOSTEL/WKS-77/24-25	Rs.23,44,575/-	Rs.46,900/-	02 calendar months	6100001852

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

Date and time of submission of tender documents digitally are from 26.08.2024 to 04.09.2024 till 11:15 a.m. Date of opening of **Technical Bid will be 04.09.2024 at 11.30 a.m. and Financial Bid 11.09.2024 (Tentative)**

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

(A) All contractors/agencies should upload technical bid with the following documents on SRM tendering portal, failing to which their tender will be summarily rejected from the tendering process:

- 1) i. Experience of having successfully completed works during the last 7 years ending last day of the month previous to the one in which applications are invited :
Three **similar completed works** costing not less than the amount equal to 40% of estimated cost put to tender,
OR
Two **similar completed works**, costing not less than the amount equal to 60% of the estimated cost put to tender
Or
One **similar completed work** of aggregate cost not less than the amount equal to 80% of the estimated cost.
AND
ii. One completed work of any nature (either part of (i) or a separate one) costing not less than the amount equal to 40% of the estimated cost put to tender with some Central Government Departments / State Government Departments / State or Central Autonomous Bodies / State or Central Public Sector undertakings.
- 2) Detail statement for work completed, work in hand including balance commitment of work should be enclosed for last three year commencing from 1st April and ended with 31st March and contractor should submit his details as per Annexure'A' format with support of xerox copies of work order and work completion certificates, otherwise the bid capacity will not be calculated and his technical bid will be summarily rejected, and no Financial Bid will be opened. (All contractors/agencies are hereby informed that they should upload Technical bid as per format of Annexure "A", changing in format is not allowed).
- 3) Upload a scan copy of the information in respect of **manpower/mandays** for above said work must be given **in undertaking** with official signature and seal/stamp, otherwise tender will be **rejected**.
- 4) Bank Solvency certificate 40% of estimated amount issued within one year from any Nationalized / Schedule Bank from the date of publishing of Tender.
- 5) P. F. registration certificate.
- 6) P. F. challans of last 12months.
- 7) (i) ESIC registration certificate and copies of ESIC challans of last 12months.
OR
(ii) Contractors' all risks insurance (CAR policy) / 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.

- 13) Labour Licence obtained during in **03 years**.
- 14) The contractors who were empanelled under Estate Office under (2018-23) list need not have to upload Demand Draft. The contractors other than empanel list that are applying for tender need to upload a scan copy of Demand Draft / Pay Order for Rs.46,900/-(EMD amount) drawn in favour of "The Registrar, IIT Bombay" on online Tendering Portal.
- 15) Power of Attorney, if any.
- 16) Proof of Constitution: An affidavit in case of Sole Proprietorship, Partnership Deed in case of Partnership Firm, Article of Association in case of Private / Public Limited Companies.

Note:

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

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

The work will be executed with lowest bidder as per the terms and conditions of work order and tender documents signed by the lowest bidder. (All agencies are requested to upload a scan copy of Terms and Conditions with official signature and seal/stamp on SRM online tendering portal)

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

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

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

No work will be subletted to third party. If found payment of final bill will not be processed and the contractor's name will removed from the enlistment without giving him further notice.

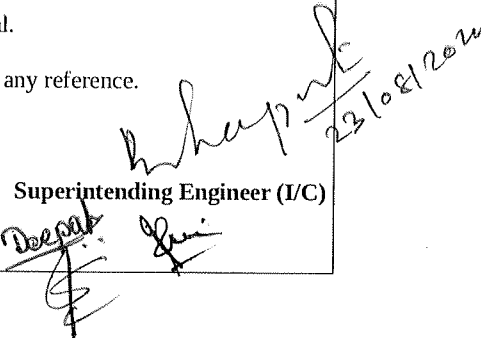
Contractor's/Agencies/Proprietor's are requested to give Power of Attorney to your representative to deal any matter with any Officers or Staff of IIT Bombay on behalf of you or your agency.

The rates are taken from CPWD DSR 2021 and ongoing market rates and rate analysis.

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

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

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


Superintending Engineer (I/C)