



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.	Annual maintenance contract for civil, plumbing, carpentry and other miscellaneous work in Guest House area. <b>EO/A/HILLSIDE/WKS-69/25-26</b>	Rs.38,95,198/-	Rs.77,000/-	<b>12 MONTHS</b>	<b>6100002380</b>

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](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](mailto:srm@iitb.ac.in)**

Date and time of submission of tender documents digitally are from 30.09.2025 to 17.10.2025 till 11:15 a.m . **Date of opening of Technical Bid will be 17.10.2025 at 11:30 a.m. and Financial Bid 24.10.2025 (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 **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.  
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 1<sup>st</sup> April and ended with 31<sup>st</sup> March and contractor should submit his details as per Annexure'A' format with support of xerox copies of work order and work completion certificates, otherwise the bid capacity will not be calculated and his technical bid will be summarily rejected, and no Financial Bid will be opened. (All contractors/agencies are hereby informed that they should upload Technical bid as per format of Annexure "A", changing in format is not allowed).
- 3) Upload a scan copy of the information in respect of **manpower/mandays** for above said work must be given in **undertaking** with official signature and seal/stamp, otherwise tender will be **rejected**.
- 4) Bank Solvency certificate 40% of estimated amount issued within one year from any Nationalized / Schedule Bank from the date of publishing of Tender.
- 5) P. F. registration certificate.
- 6) P. F. challans of last 12months.
- 7) (i) ESIC registration certificate and copies of ESIC challans of last 12months.  
OR  
(ii) Contractors' all risks insurance (CAR policy) / Mediclaim policy.
- 8) PAN card.
- 9) GST registration certificate.
- 10) Income Tax Return for last 03 years i.e. of **2021-22, 2022-23 and 2023-24**.
- 11) List of Equipment's, Machinery, Tools.
- 12) List of Technical Staff with copies of their Degree/diploma certificate.

- 13) 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.77,000/-(EMD amount) drawn in favour of "The Registrar, IIT Bombay" on online Tendering Portal.
- 14) Power of Attorney, if any.
- 15) 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.
- 16) **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.
- 17) Index Sheet

**Note:**

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

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

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

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

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

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

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

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

Rates of the estimate are based on CPWD DSR 2021 and rate analysis.

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

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

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

**No queries will be entertained within 24 hours prior to the opening of the tender. We kindly request all contractors to upload their quotations well in advance of the submission deadline to ensure a smooth and timely process.**

**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.**

*R. Chakrabarti*  
03/10/2025  
389  
29/9  
Superintending Engineer (I/C)

**TO BE UPLOADED ON SRM TENDERING PORTAL WITH FINANCIAL BID**

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

File No. : EO/A/HILLSIDE/WKS-69/25-26

Name of Work : Annual maintenance contract for civil, plumbing, carpentry, and other miscellaneous works in the guest house area.

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.

Superintending Engineer (I/C)

Signature of Contractor  
Name & Address in full

## WORKS UNDERTAKING

EO/A/HILLSIDE/WKS-69/25-26 ✓

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

Sub : Annual maintenance contract for civil, plumbing, carpentry, and other miscellaneous works in the guest house area. ✓

Dear Sir,

We are hereby quoting all the rates for the attached schedule of short tender of the above mentioned job.

We hereby accept & signed all the General Terms and Conditions and special Conditions of Contract.

The work will be completed within specified time limit of 12 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 - 400 076.

EO/A/HILLSIDE/WKS-69/25-26

ESTATE OFFICE

Name of work :- Annual maintenance services for civil, plumbing, carpentry, and other miscellaneous tasks in the guest house area

Schedule Of Work

Sr. No.	Description of work	Qty.	Unit
1	Carefully removing internal or external plaster in patches or any length and at any height without damaging structure or brickwork in the vicinity including scaffolding/ stepladder by using electric cutting tools including cutting a groove first to demarcate exact area of damage taken place and removing with chisel & hammer including stacking the debris with in 50 meter, cleaning the site etc. complete. including using stepladder / working platform for internal plaster wherever required covering the furniture, floor, windows and partitions with plastic sheets Note : a) No extra payment shall be made for extra thickness removed. b) The area in vertical plane area shall be measured. (Note : For external work scaffolding will be paid in respective item)	50.00	Sqm
2	Removing the old cement concrete or any type of tiles from flooring manually at any floor including bedding levelling the surface, cleaning the site including sorting our serviceable tiles and lowering to ground level the debris and stacking it upto a distance of 50 meters from building (as directed by Engineer Incharge)	50.00	Sqm
3	Chipping and exposing the damaged RCC members with chisel & hammer and cleaning the rusted reinforcement and exposed surface by wire brush or mechanical device or any other established method and applying rust convertor (Rustkill A) 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. Including stepladder/ working platform covering with plastic as directed. Cleaning and unloading the debris upto ground level. (Note : For external work scaffolding will be paid in respective item)	50.00	Sq.m
4	Providing and applying an effective bond coat of Epoxy bonding agent manufactured by M/s. Krishna conchem, Dr. Fixit , Roff , Chembond or M.C. Bouchmey and hardner in the proportion of as per manufacture instruction (Base hardner) by using brush in multiples of coat as required to accommodate the whole thickness of PMM wherever required including stepladder/ working platform wherever required on the surface of old concrete/required concrete. Note- The actual consumption of Epoxy bonding coat shall be measured for payment on weight basis . Challans of authorized dealer will be verified (Note : For external work scaffolding will be paid in respective item)	10.00	Kg
5	Providing and Placing in position readymix polymer mortar manufacture by Dr. Fixit, Sunanda, Roff, MC Bouchmey, Chembond and approved and adding water in the proportion of 1:0.14 (polymer mortar : water) in prepared grooves / cracks 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 etc. Complete. (Payment will be paid for the actual quantity of polymer mortar PX used on weight basis. Invoice of authorised Dealer will be verified etc all complete as directed by Estate office).	1250.00	Kg

6	<p>Providing and applying an effective bond coat of Polymer (SBR) approved by ITB 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 required including stepladder/ working platform wherever required on the 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. (Note : For external work scaffolding will be paid in respective item)</p>	10.00	Kg
7	<p>Providing and Placing in position Readymix Plaster manufactured by M/s. A. V. Conchem, Ultra-Tech Cement, Ready Plast, up to 20mm thick in one coat and adding water in the proportion of 1:0.17( Ready Mix Plaster : water) at any floor over the prepared Brick wall, Solid ,Hollow &amp; AAC block work and Concrete RCC surfaces, as directed mixing the Readymix Plaster with water using forced action mixer including step ladder wherever required, mild curing will be done with water for 3-5 days etc complete. ( Invoice of authorized dealer will be verified)</p>	100.00	Sqm
8	<p>Dismantling R.C.C. work manually/ mechanically including breaking concrete by chiselling, wedging etc., cutting the reinforcement, lowering down debris, stacking the serviceable materials and stacking the debris upto a distance of 50 metres or spreading as directed.</p>	1.00	Cum
9	<p>Pulling down burnt brickmasonry (in cement mortar) with plaster including sorting out serviceable bricks lowering down at Ground level and stacking the same and debris separately up to a distance of 50 metres beyond building etc. complete.</p>	0.50	Cum
10	<p>Providing second class burnt brick masonry with conventional / I.S. Type bricks in cement mortar 1:6 in superstructure at any floor and any height including striking joints, racking out joints, watering wherever required etc. complete .(Note : For external work scaffolding will be paid in respective item)</p>	0.50	Cum
11	<p>Providing and fixing 18 mm thick gang saw cut, mirror polished granite , premoulded and prepolished, machine cut for kitchen platforms, vanity counters, doors and windows cladding , sills, shelf, facias and similar locations at any floor of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 fine sand) or in neat cement as required, 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. a) area of slab upto 0.5 m2</p>	5.00	Sqm
12	<p>Providing and fixing 18 mm thick gang saw cut, mirror polished granite , premoulded and prepolished, machine cut for kitchen platforms, vanity counters, doors and windows cladding , sills, shelf, facias and similar locations at any floor of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 fine sand) or in neat cement as required, 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. b) area of slab over 0.5 m2</p>	5.00	Sqm

13	Providing and laying at any floor nonskid / mat finish ceramic tiles Johnson & Johnson / Nitco/ Kajaria/ Orient Bell/ somani for flooring approved by IITB required size 400mm x 400mm and above size upto 600x600mm quality, brand and shade as available in market on cement mortar 1:4 bedding using white cement pigments finished to levels slope or plumb as required including cutting of tiles. Curing, acid washing etc. all complete.	25.00	Sqm
14	Providing and laying in position ready-mixed or machine batched and machine mixed design mix M-25 (1:1:2) grade cement concrete (with minimum cement content 330Kg/Cum) 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	Cum
15	Providing and laying in situ plain cement concrete <b>M-20</b> of trap metal for foundation and bedding including bailing out water manually, wherever required , formwork, compacting and curing.as directed.	2.00	Cum
16	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 all approval of BMC competant authorities for disposing off on to their approved location. The debris are to be removed from site within 48 hours from stacking (30% voids will be deducted from actual stack measurement/ truck measurement for debris, loose stones, boulders etc.).	50.00	Cum
17	Removing excavated earth or debris including loading in trucks and conveying to approved dumping point in IITB campus unloading spreading etc. complete. The debris are to be removed from site within 24 hours from stacking (30% voids will be deducted from actual stack measurement/ truck measurement for debris, loose stones, boulders etc.).	5.00	Cum
18	Dismantling plain cement concrete work at any height & any floor including breaking concrete by chiselling, wedging etc., lowering down debris, stacking the serviceable materials and stacking the debris upto a distance of 50 metres from building or spreading as directed.	1.00	Cum
19	Providing second class burnt brick masonry at any height & any floor with Conventional / I.S. Type bricks in cement mortar 1:4 in half brick thick wall including mild steel longitudinal reinforcement of 2 bars of 6 mm diameter/2 hoop iron strips 25 mm X 1.6 mm at every third course properly bent and bonded at ends, scaffolding , racking out joints and watering etc. Complete.	5.00	Sqm
20	Providing and laying vitrified tiles for flooring of approved shade and pattern with required finish ( mirror / Mat ) and decorative type Nitco make premium quality or kajaria make in double charge finish or Somani equivalent quality having sizes not less than 600 x 600 mm and 8 to 10 mm thickness , confirming to IS. 15622 (floor tiles within basic cost of material Rs.70/sft) in required position laid <b>on a bed of 1:4 cement mortar</b> including neat cement float, filling joints, curing and clearing etc. complete as directed	10.00	Sq.m
21	Excavation for foundation in earth, soil of all types, sand, gravel and soft muelum including removing the excavated materials upto a distance of 50 meters beyond the building area and lift upto 1.50 meters, stacking and spreading as directed including dewatering unless provided elsewhere, preparing the bed for the foundation and necessary back filling, ramming, watering complete.excluding shoring and strutting.	5.00	Cum

22	Providing dry trap/ rubble stone soling 150mm to 200 cm thick including hand packing and compacting etc complete.	2.00	cum
23	Drilling straight and inclined holes upto 300mm depth and upto 20mm dia in concrete / masonry using electrically operated drilling machine and fixing nipple for grouting, conducting water test all complete etc. as directed	10.00	Nos
24	Grouting existing RCC / brickwork structure as per following operations including sealing leak paths with lead wool, removing nipple, plugging the hole with neat cement paste by ram packing, cleaning etc. complete. 1) Add Sunflex powder 1.00 kg in one bag of cement of 50 kg with adequate water. 2) Using mechanical means of pressure grouting with the above mix. The pressure shall be 5-10 psi. 3) The grouting to be done into the cracks of ceiling, walls, columns, & beam if necessary. 4) After through grouting sealing the holes with cement slurry. (Note : For external work scaffolding will be paid in respective item)	50.00	Kg
25	Providing and erecting steel tubular H Frame double scaffolding with bracing to all height all around the building as directed by engineer in charge before commencement of work for multipurpose use including working platform wherever required, stiffened for all types of work and removing the same after completion of all external work requiring double scaffolding.(payments will be made once irrespective of duration / till completion of all external activity)	100.00	Sqm
26	Providing and fixing in position tor steel bar having grade Fe-500 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.	50.00	Kg
27	Providing and fixing stainless steel ( Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c 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 as per approval of Engineer-incharge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	50.00	kg
28	Providing and laying autoclaved aerated cement blocks (siporex block) approved brand masonry with 100 mm thick AAC blocks in super structure above plinth level up to floor V level in cement mortar 1:4 (1 cement : 4 coarse sand ). The rate includes providing and placing in position 2 Nos 6 mm dia M.S. bars at every third course of masonry work.including cleaning site etc. Complete.	1.00	cum
29	Scrapping the entire wall / ceiling surface thoughly with patra & sand paper, filling the holes with lambi / POP, Providing and applying one coat of seal cement primer of IITB approved brand, applying the entire area with readymade wall putty, working platform/stapladder upto 3.5m height covering the floor, windows, instruments during priming coat as required etc. Complete.	1000.00	Sq.m

30	Providing and applying white cement based Birla make wall care putty with uniform thickness upto 1.5mm over the existing internal cement plaster in proper line / level including preparing the wall surface for the application of wall care putty etc. including scaffolding all complete as directed.	100.00	Sqm
31	Providing and applying two coats of 1st quality Acrylic distemper of approved brand quality colour and shade (of Asian paints , Berger or any other approved product of ICI or Goodlass, Nerolac) on old/new wall surfaces as per manufacturers specification in two coats & necessary levelling to undulated surfaces & preparing the surfaces smooth with the readymade putty –SF finish wherever required with the help of step ladder/ scaffolding upto 3.5m height & covering with plastic sheet & cleaning the stains on flooring surfaces/ furniture etc. all complete as directed.	500.00	Sqm
32	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/ scaffolding , preparing the surface smooth by applying readymade Acrylic wall putty again if required, with the help of step ladder etc all complete as directed.	500.00	Sq.m
33	Providing and applying two coats of synthetic enamel paint of IITB approved brand (Asian, Berger, ICI, Jenson & Nicholson, Goodlass Nerolac) & desired shade to old new wood work, steel grill work with the use of step ladder/ scaffolding if necessary, cleaning and preparing surface by solvent, degreasing and derusting by manul scrapping, filling holes with lambi / palti leavelling the surface cleaning etc. Complete.	100.00	Sqm
34	Providing and applying zink priming coat over steel and other metal surfaces including preparing of the surface by thoroughly cleaning oil, grease, dirt and other foreign matter with wire brushing, fine fire steel wool,and sand paper, scaffolding/stepladder etc. Complete.	50.00	Sqm
35	Providing and applying one priming coat to wood and wood based surface including preparing of the surface by thoroughly cleaning oil, grease, dirt and other foreign matter with wire brushing, fine fire steel wool,and sand paper, scaffolding/stepladder etc. Complete.	50.00	Sqm
36	Providing and applying one coat of acrylic primer and two coats of pure Acrylic exterior paint of IITB approved manufacturer as per manufacturer's specification on old/new plastered surface/ stone work surface at any height & any floor , including cleaning the surface thoroughly with coir brush, watering the surface etc.,levelling the undulation if any with external wall care putty, covering with plasic sheets all complete as directed Engineer incharge.	500.00	Sqm
37	Removing the existing loose damaged brick bat coba waterproofing treatment by manually / mechanical means from the top of the terrace /w.c/bath at any floor or sunk surface upto any thickness without making any damages to the roof slab with the use od sharp chisels,levelling and cleaning the roof surface for providing new specialised waterproofing treatment without causing dust nuisance stacking the debris upto 50m distance from building as directed.	1.00	Cum

38	Providing waterproofing in W.C. and bath including brickbat coba in all position at any floor including all lead ,lifts wherever required including providing and laying 12mm bedding in cement mortar 1:3 on concrete slab & sides of sunken portion with waterproofing compound @ 1kg/per bag of cement laying brick bat coba of required thickness in cm 1:5 with waterproofing compound 1 kg/bag of cement grouting and finishing the top layer with 20mm thick bedding in cm mortar 1:3 with waterproofing compound 1 kg/per bag of cement and testing the treated portion for 48 hours by pond test and covering ten years guarantee on requisite stamp paper etc. Complete.	1.00	Cum
39	Providing waterproof bedding 25 mm thick for flooring of bath and W.C. at any floor, In cement mortar 1:3 using 1 kg of waterproofing compound of approved make and manufacturer per bag of cement including leveling curing etc. complete.	10.00	Sqm
40	<b>Vertical wall waterproofing for internal &amp; external parapet wall, lift machine room walls &amp; junction of pipes.</b> Providing and applying waterproofing treatment for vertical wall with one coat primer and required coat of chemical water proofing products/brands as per the approved painting policy. The item includes the preparation of vertical surface as per the site condition, filling of the cracks and make the surface smooth to receive the waterproofing treatment as per the manufactureres specification. Necessary arrangement for working platform/ scaffolding/ any mechanical means for execution of the waterproofing treatment to the external vertical walls shall be made by the contractor. Note:- In case of leakage/seepage found during rain, contractor has to cover terrace with tarpaulin sheet to stop the leakage /seepage. If contractor fails to do it during rain, Institute will cover the terrace at contractor's risk and cost.	50.00	sqm
41	Taking out C.I. / PVC nahani trap with connecting pieces from floor carefully and taking away the same out of IIT campus etc. Complete.	10.00	Nos
42	Providing and fixing 100 mm PVC nahani trap with S.S grating, etc. complete.	10.00	Nos
43	Providing and fixing 100 mm CI nahani trap with S.S grating, etc. complete.	5.00	Nos
44	Providing and fixing white urinal parryware or equivalent make including necessary fittings such as L shaped hooks, spreader and flushing system and bottle trap of Jaquar, Click Clack Waste coupling of jaquar, connection pipe upto trap or pipe etc. complete as directed.	3.00	No
45	Providing and fixing 1/2" dia CP push tap of Jaquar with wall flange with stainless steel pipe upto urinal pot including necessary fittings and fixtures etc. complete as directed.	12.00	No
46	Providing and fixing ISI 1729/2002 grade 75mm dia. cast iron waste water pipes (Neco or equ.) with lugs 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 praportion and two coats of anti corrosive paint including fixing the pipe on walls by means of nails driven through lugs in wooden holders / battens including removing the existing pipe if necessary and conveying and stacking taking away the same out of IIT campus , necessary complete or as directed. (Recovery of the removed damaged pipe will be done @ Rs. 20 per Rmt)	10.00	Rmt

47	Providing and fixing ISI 1729/2002 grade 100 mm dia. cast iron soil pipes (Neco or equ.) 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 anti corrosive paint including fixing the pipe on walls by means of nails driven through lugs in wooden holders / battens including removing the existing pipe if necessary and conveying and stacking taking away the same out of IIT campus complete or as directed. (Recovery of the damaged pipe will be done @ Rs. 25 per Rmt)	10.00	Rmt
48	Providing and laying 15 mm diameter I.S.I. make TATA / Jindal/ Zenith heavy type C class galvanized iron pipes having weight as per IS specification to walls, ceilings, floors etc. with screwed sockets, backnuts, elbows, tees, reducers, enlargers, plugs, clamps/ GI clamp etc. including necessary drilling in holes in walls / slabs etc, connecting the lines with old / new pipe lines / fittings / fixtures etc as required and remaking good the demolished portion to restore the same in original condition neatly and applying Zinc primer and two coats of oil painting etc. or as directed Complete. (scaffolding will be paid in separate item if required)	10.00	Rmt
49	Providing and laying 20mm diameter I.S.I. make TATA / Jindal/ Zenith heavy type C class galvanized iron pipes having weight as per IS specification to walls, ceilings, floors etc. with screwed sockets, backnuts, elbows, tees, reducers, enlargers, plugs, clamps/ GI clamp etc. including necessary drilling in holes in walls / slabs etc, connecting the lines with old / new pipe lines / fittings / fixtures etc as required and remaking good the demolished portion to restore the same in original condition neatly and applying Zinc primer and two coats of oil painting etc. or as directed Complete. (scaffolding will be paid in separate item if required)	10.00	Rmt
50	Providing and laying 25mm diameter I.S.I. make TATA / Jindal/ Zenith heavy type C class galvanized iron pipes having weight as per IS specification to walls, ceilings, floors etc. with screwed sockets, backnuts, elbows, tees, reducers, enlargers, plugs, clamps/ GI clamp etc. including necessary drilling in holes in walls / slabs etc, connecting the lines with old / new pipe lines / fittings / fixtures etc as required and remaking good the demolished portion to restore the same in original condition neatly and applying Zinc primer and two coats of oil painting etc. or as directed Complete. (scaffolding will be paid in separate item if required)	10.00	Rmt
51	Providing and laying 40mm diameter I.S.I. make TATA / Jindal/ Zenith heavy type C class galvanized iron pipes having weight as per IS specification to walls, ceilings, floors etc. with screwed sockets, backnuts, elbows, tees, reducers, enlargers, plugs, clamps/ GI clamp etc. including necessary drilling in holes in walls / slabs etc, connecting the lines with old / new pipe lines / fittings / fixtures etc as required and remaking good the demolished portion to restore the same in original condition neatly and applying Zinc primer and two coats of oil painting etc. or as directed Complete. (scaffolding will be paid in separate item if required)	50.00	Rmt
52	Providing and laying 25mm diameter I.S.I make heavy type C Class galvanized iron pipes of TATA / Jindal / Zenith make having weight as per IS specification <b>in trenches</b> etc. with elbows, tees, reducers, enlargers, plugs, etc. including connecting the lines with old / new pipe lines / fittings / fixtures etc as required and filling trench with excavated soil and applying metal primer and two coats of oil painting including removing the existing pipe if necessary and as directed etc. complete.	10.00	Rmt

53	Providing and laying 40mm diameter I.S.I make heavy type C Class galvanized iron pipes of TATA / Jindal / Zenith make having weight as per IS specification <b>in trenches</b> etc. with elbows, tees, reducers, enlargers, plugs, etc. including connecting the lines with old / new pipe lines / fittings / fixtures etc as required and filling trench with excavated soil and applying metal primer and two coats of oil painting including removing the existing pipe if necessary and as directed etc. Complete.	10.00	Rmt
54	Providing and fixing ISI approved heavy type 15 mm dia brass stop tap(seiko, techno make) including socket, union nut etc. Complete. Including removing the existing damaged tap. (5% cost will be deducted for taking away the removed material outside IIT campus)	50.00	Nos
55	Providing and fixing ISI approved heavy type 20 mm dia brass stop tap(seiko, techno make) including socket, union nut etc. Complete. Including removing the existing damaged tap. (5% cost will be deducted for taking away the removed material outside IIT campus)	6.00	No
56	Providing and fixing screw down 20mm gun metal Gate Valve of techno or uttam make bearing I.S.I. Mark including socket, union nut etc. including removing the old damaged gate valve & depositing Complete. (5% cost will be deducted for taking away the removed material outside IIT campus)	6.00	Nos
57	Providing and fixing screw down 25mm gun metal Gate Valve of techno or uttam make bearing I.S.I. Mark including socket, union nut etc. including removing the old damaged gate valve & depositing Complete. (5% cost will be deducted for taking away the removed material outside IIT campus)	6.00	nos
58	Providing and fixing screw down 40mm gun metal Gate Valve of techno or uttam make bearing I.S.I. Mark including socket, union nut etc. including removing the old damaged gate valve & depositing Complete. (5% cost will be deducted for taking away the removed material outside IIT campus)	6.00	Nos
59	Providing and fixing new sanitary fittings with new fixtures , removing old broken fittings wherever existing. ¾" Flexible pipe – 3 feet long	10.00	No
60	Providing and fixing new sanitary fittings with new fixtures , removing old broken fittings wherever existing. ½" PVC connection 2 feet long	10.00	No
61	Providing and fixing new sanitary fittings with new fixtures , removing old broken fittings wherever existing. ½" PVC connection 1½ feet long	10.00	nos
62	Providing and fixing new sanitary fittings with new fixtures , removing old broken fittings wherever existing. ½" PVC connection 3 feet long	10.00	Nos
63	Providing and fixing new sanitary fittings with new fixtures , removing old broken fittings wherever existing. S.S. Grating 4" dia	10.00	No
64	Providing and fixing new sanitary fittings with new fixtures , removing old broken fittings wherever existing. S.S. Grating 5"dia	10.00	nos

65	Providing and fixing 25 mm dia Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes removing old damaged pipe, jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Exposed on wall, (scaffolding will be paid in separate item if required) (5% cost will be deducted for taking away the removed material outside IIT campus)	10.00	Rmt
66	Providing and fixing 20 mm dia Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes removing old damaged pipe, jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Exposed on wall, (scaffolding will be paid in separate item if required) (5% cost will be deducted for taking away the removed material outside IIT campus)	10.00	Rmt
67	Providing and fixing 15 mm dia I.S.I. approved heavy type C class galvanized iron pipes TATA / Jindal / Zenith make in <b>concealed</b> plumbing having weight as per IS specification complete with G.I. fittings and clamps, including painting with anti corrosive bitumastic paint, cutting chases in walls for fixing concealed pipe and making good the wall by means of leveling with cement plaster and testing of joints complete as per direction of Engineer in Charge.	10.00	Rmt
68	Providing and fixing 20 mm dia I.S.I. approved heavy type C class galvanized iron pipes TATA / Jindal / Zenith make in <b>concealed</b> plumbing having weight as per IS specification complete with G.I. fittings and clamps, including painting with anti corrosive bitumastic paint, cutting chases in walls for fixing concealed pipe and making good the wall by means of leveling with cement plaster and testing of joints complete as per direction of Engineer in Charge.	10.00	Rmt
69	Providing & fixing 40mm dia. PVC pipe for outlet of wash basin, sink etc. (heavy duty) with all fittings & fixtures making connection to old & new pipe line etc. complete as directed by Engineer.	10.00	Rmt
70	Providing and fixing white glazed earthenware wash hand basin of approved brand (Hindware/Cera/ parryware) of 55cm x 40cm size including one cold water pillar tap of jaquar, brackets, rubber plugs and brass chain, stop tap of jaquar and necessary pipe connection including polyethylene waste water pipe and trap	3.00	No
71	Providing and fixing white glazed earthenware wash hand basin of approved brand (Hindware/Cera/ parryware) of 45 x 30 cm size including one cold water pillar tap of jaquar, brackets, rubber plugs and brass chain, stop tap of jaquar and necessary pipe connection including polyethylene waste water pipe and trap	3.00	No
72	Providing and fixing 100 mm dia chromium plated brass shower rose of Jaquar brand to 15 mm dia. Supply pipe including necessary SS Bend and socket complete.	10.00	Nos
73	Providing and fixing white solid plastic seat (Hindware/Cera/ parryware) with lid for european type W.C. pan complete with require fittings and fixtures etc. and including removing existing damaged plastic seat complete as directed.	10.00	nos
74	Providing and fixing Hydraulic white plastic seat (Hindware make) with lid for european type W.C. pan complete with require fittings and fixtures etc. and including removing existing damaged plastic seat complete as directed.	10.00	Per No

75	Providing and fixing Low / high level 10 liters capacity PVC flushing cistern of parryware / hindware / cera make with all fittings as inlet G.I. pipe with stop tap, brass chromium plated waste coupling and providing and fixing 32mm or required heavy duty PVC outlet bend pipe from flushing cistern upto the pan, 12mm dia PVC connection to the tank etc. all complete. as directed. (5% cost will be deducted from Item of work for material taken outside campus)	10.00	Nos
76	Providing and fixing stainless steel cockroach trap of approved pattern, quality and make with all required fittings and fixtures etc. completed as directed.	10.00	Nos
77	Providing and fixing in position best quality salt glazed stone ware gully trap with 150mm x 150mm square inlet and 100 mm n.b. outlet conforming to IS 651 including embedding the trap in M-20 (1:1.5:3) cement concrete, construction of brick masonry chamber 300mm x 300mm internal in 230mm thick brick masonry, plastering, finishing with neat cement floating coat, providing and fixing C. I. cover and frame weighing not less than 7 kg. etc including removing the old damaged gully trap, connecting all old and new inlets and out let pipes including running lines, jointing etc. all complete as directed.	5.00	Nos
78	Providing and fixing P.V.C. rain water pipes 'A' Type 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 & 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, including 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.	10.00	Rmt
79	Providing and fixing P.V.C. rain water pipes 'A' Type 110mm 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, including 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.	10.00	Rmt
80	Providing and fixing 110mm(ID) dia. ISI approved HDPE pipes manufactured by ARHAM Engineering/ BERLIA /NOCIL / PIL with wall thickness of 6 mm to 8mm for taking sewage waste water with all required fittings such as bend, elbows etc. with proper line and gradient connecting all joints with fusion butt weilding by using suitable welding machine or hot plate, testing the line & joint as per manufacturer specification etc. all complete as directed by Engineer In-charge.	10.00	Per Rmt
81	Providing and fixing 160mm(ID)dia ISI approved HDPE pipes manufactured by ARHAM Engineering/ BERLIA /NOCIL / PIL with wall thickness of 6 mm to 8mm for taking sewage waste water with all required fittings such as bend, elbows etc. with proper line and gradient connecting all joints with fusion butt weilding by using suitable welding machine or hot plate, testing the line & joint as per manufacturer specification etc. all complete as directed by Engineer In-charge.	10.00	Per Rmt
82	Providing and fixing Hand Shower (Health Faucet) with 8mm Dia, 1 Meter Long Flexible Tube & Wall Hook of approved Jaquar make (ALD-CHR-573) including necessary socket/ union etc. complete as directed.	100.00	No

83	Providing and fixing SS towel ring upto 9 inch dia round flange of approved jaquar make etc. Complete.	10.00	No
84	P/F ½" dia CP Bib Cock / Angle Cock of jaquar ( Fusion 29053 ) including necessary fitting and fixtures etc. complete as directed	10.00	No
85	Providing & fixing ISI approve heavy type Angle Cock (Cavier make Rienza series) including extension Pipe, C.P Double nippal etc.complete.	10.00	No
86	Providing and fixing ISI approve two way Wall mixture ( Jaquar make) system with provision for only overhead shower complete with 115mm long bend pipe including fixtures etc. Complete.	10.00	No
87	Providing and fixing ISI approve three in one Wall mixture (Jaquar make) system with provision for both hand shower and overhead shower complete with 115cm long bend pipe, including fixtures (Excluding hand shower)etc. Complete.	10.00	No
88	Providing & fixing jaquar make telephonic hand shower 80mm round with 1.5m long jaquar make flexible chrome tube which connected to three way mixer including fixtures etc. Complete.	6.00	No
89	Providing & fixing granite counter wash basin of size upto 900 X 450 for counter including coloured oval shape wash basin of size 22" x 16" with Jaquar make Pillar tap, CP bottle trap, connector, angle cock complete including kaddpa supports, moulding, facia patti all complete as directed by Engineer incharge.	3.00	No
90	Providing and fixing oval shape coloured earthenware below counter wash hand basin of Parryware make including one cold water angle cock of Jaguar make (Continental series), Stainless steel click clack waste coupling, chromium plated brass bottle trap etc. complete as directed.	3.00	Nos
91	Providing and fixing hindware make white glazed earthenware pedstal wash hand basin of size 56cm x 43cm, pedstal height 68cm including one cold water contentail series 450mm long swan neck tap of jaquar, brackets, rubber plugs and brass chain, stop tap of jaquar and necessary pipe connection including jaquar make bottle trap etc. Complete as directed	3.00	No
92	Providing & fixing hindware / cera make Platform top wash basin of size 630 mm x 500 mm including ,one cold water contentail series 450mm long swan neck tap of jaquar,Stop Cock, Waste Coupling, jaquar make bottle trap, Connection Pipe, etc complete or as directed.	3.00	No.
93	Providing and fixing European type wall hung white glazed earthenware water closet pan as per existing size of Parryware, Hindware, Cera make with P.V.C seat and lid with chromium plated brass hinges and rubber buffers including PVC heavy type flush pipe with fittings and clamps, cutting and making good walls and floors etc. complete as directed.	3.00	No.
94	Providing & fixing jaquar make Jaquar Pillar Cock Auto Closing System ( code : PRS-CHR-031) including necessary fixtures etc.complete as directed	3.00	No

95	Providing & fixing ISI approve CP bottle trap ( Jaquar / Hindware ) below wash basin including necessary fixtures etc.complete as directed	20.00	nos
96	Providing & fixing ISI approve heavy type Kitchen sink cock with swinging casted spout (wall mounted) jaquar make including necessary fixtures etc.complete as directed	5.00	No
97	Providing & fixing ISI approve heavy type two way bib cock jaquar make ( Fusion 29041 ) including necessary fixtures etc.complete as directed	10.00	No
98	Providing and fixing Orrisa type white glazed earthenware 580mm x 440 mm water closet pan of approved make and brand (Cera, Hindware or equivalent) including trap, cast iron soil and vent pipes upto the outside face of the wall including 100mm. diameter cast iron plug bend, cement concrete bedding, 10 litres capacity H.D.P.E. approved flushing cistern with fittings, inlet pipe with brass stop tap(Cico), brackets, 32mm. diameter galvanised iron heavy type flush pipe with fittings and clamps, painting to the exposed pipes and cutting and making good the walls and floors etc. complete. (excluding waterproof brick bat coba)	3.00	Nos
99	Providing and fixing European type white glazed earthenware 580mm water closet pan of approved make and brand (Cera, Hindware or equivalent) with PVC seat and lid with chromium plated brass hinges and rubber buffers including cast iron soil and vent pipes upto the outside face of wall and 100mm. diameter cast iron plug bend, 10 litres approved low level white PVC flushing cistern with all fittings, pipes and stop tap, brackets for fixing the low level flushing cistern, 32mm dia galvanised iron / PVC heavy type flush pipe with fittings and clamps, 20mm dia. PVC galvanised iron overflow pipe with mosquito proof coupling, and exposed pipes and cutting and making good walls and floors etc. complete as directed.	3.00	Nos
100	Providing & fixing Techno / Sicko bib tap ( Min weight 400gm) with new fittings & new screws, removing old broken fittings & taps wherever existing. (5% cost will be deducted for taking away the removed material outside IIT campus)	10.00	nos
101	Providing & fixing Jaguar make sink cock with new fittings & new screws, removing old broken sink cock wherever existing. (5% cost will be deducted for taking away the removed material outside IIT campus)	10.00	per no
102	Providing & fixing Jaguar make SS soap dish holder with new fittings & new screws, removing old broken seap dish holder wherever existing. (5% cost will be deducted for taking away the removed material outside IIT campus)	5.00	per no
103	Providing and fixing brass Eye glass of approved quality, peep hole type,make,size and shape etc to door shutter complete including removing existing damaged. Contractor will be allowed to take away old peep glass eye glass if available	10.00	No
104	Carefully removing the existing G.I. pipe 12mm to 50mm diameter from floor / walls / slab etc. with out damaging the structures and Deposting to Estate store including scaffolding if required. (scaffolding will be paid in separate item if required) (5% cost will be deducted from Item of work for material taken outside campus)	100.00	Rmt

105	Providing and fixing Wall mounted closet STUDIO 20061 (41x36x52)cm along with white seat cover, anchor fastner, washer including removing the old pan and fixing the new with proper position etc all complete	3.00	Per No
106	Providing and constructing Brick Masonry Inspection Chamber 90 cm x 45 cm upto 90 cm in depth including cement concrete in M-20 100mm thick foundation with 100mm offset outside of wall , 23 cm thick channels, 230mm width brick masonry, 20mm thick floting plastering from inside surface in 1:3 and 20mm thick single coat plaster outside in 1:4 as required and airtight RCC cover medium duty manufactured by K.K.Manholes, Neco or equivalent as approved by Engineer with frame work fixed in cement concrete 1:1.5:3 etc all complete as directed by Engineer In-charge.	1.00	Nos
107	Providing and constructing Brick Masonry Inspection Chamber 90 cm x 45 cm and 90 cm to 150 cm in depth including cement concrete in M-20 100mm thick foundation with 100mm offset outside of wall , making necessary channel in cement concrete 1:1.5:3 finished with a floating coat of neat cement, all complete as per standard design,, 230mm width brick masonry 1:6, 20mm thick floating plastering from inside surface in 1:3 and 20mm thick single coat plaster outside in 1:4 as required and airtight RCC cover with frame work fixed in cement concrete 1:1.5:3 etc all complete as directed by Engineer In-charge.	1.00	Nos
108	Providing and fixing precast RCC slab for drain cover and chember 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 40mm dia PVC pipe 8 to 10 nos per cover finishing the surface with smooth cement finish curing, placing the precast slab in proper position etc. complete as directed.	1.00	m3
109	Providing & fixing 20 mm of Satyam /Kohinoor brand brass ballcock & rod with new fittings, removing old broken ballcock wherever existing. (5% cost will be deducted for taking away the removed material outside IIT campus)	5.00	Nos
110	Providing & fixing 25 mm of Satyam /Kohinoor brand brass ballcock & rod with new fittings, removing old broken ballcock wherever existing. (5% cost will be deducted for taking away the removed material outside IIT campus)	5.00	Nos
111	Providing & fixing 40 mm of Satyam /Kohinoor brand brass ballcock & rod with new fittings, removing old broken ballcock wherever existing. (5% cost will be deducted for taking away the removed material outside IIT campus)	3.00	Nos
112	Removing flush door and glazed windows shutters carefully without damaging wooden frame of any size and stacking the same and depositing to Estate stores if required. (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 agains actual weigth if material taken outside campus)	10.00	Nos
113	Providing and fixing 35mm FRP door manufactured by M/s. Advance Company including brass hinges, both side brass handles, brass aldorp, tower bolt, brass tadi patti etc. complete at any location in residential building as directed.	5.00	Sqm

114	Providing and fixing 3" Anchor Fastener wherever necessary etc. Complete.	10.00	nos
115	Providing and fixing 18mm thick marine plywood for drower, panelling, shutters, partition and any other work with necessary fittings and fixtures etc. complete as per the directions of Engineer-in-charge .	5.00	Sq.m
116	Providing & fixing 1mm thick designer laminate of approved brand and pattern wherever required including, making necessary groves wherever required as per standard practice with all required fittings and fixtures etc. complete as directed.	10.00	sq.m
117	Providing and fixing mirrors 6mm thick of approved Indian quality copper plated with 10mm thick waterproof plywood backing, fixing mirror on wall with cup washer and screws etc. all complete as directed.	20.00	sq.m
118	Providing and fixing 600 x 450mm x 6mm thk mirrors of approved Indian quality copper plated with 10mm (3/8") thick plywood backing, in the masonry etc. Make Modi Guard/Saint-Gobain etc. complete. contractor will be allowed to take away old mirror if available and for which 5% deduction will be made of schedule rate of this item.	10.00	each
119	Providing and fixing 6mm thk Glass shelf 125mm (5") wide and 610mm (24") long with necessary chromium plated brackets providing teak wood gutties etc. Make Modi Guard/Saint-Gobain etc. complete. contractor will be allowed to take away old glass shelf if available and for which 5% deduction will be made of schedule rate of this item.	10.00	each
120	Providing & replacing in position Godrej night latch without damaging door & frame with automatic locking arrangement, triplicate keys etc. complete as directed.	50.00	No
121	Providing and Replacing 5 mm thick plain/bajri glass (Modi Guard/Saint-Gobain make)of doors and windows etc. including teakwood beading etc. Complete.	10.00	sqm
122	Providing and fixing fly proof stainless steel mesh of approved quality SS 304 grade to windows, doors and any other location using teak wood or aluminium anodised section of require size with necessary fittings and fixtures etc. complete as directed.	10.00	Sq.m
123	Providing and applying French polishing to new wood work including knotting, preparing the surface including step ladder etc. complete as directed.	50.00	Sqm
124	Providing and applying French polishing for required polish on previously polished wood including knotting, preparing the surface, step ladder etc. complete as directed.	20.00	Sqm
125	Providing & fixing hydraulic door closer of approved quality and Everite / Hyper make to door shutter including making proper adjustment for smooth operation etc. Complete.	10.00	Nos
126	P/F 25mm dia aluminum powder coted heavy duty (58.33gram/ft) approved draftery curtain rod with decorative side holders including required fittings and screws (length upto 1.5m) all complete	10.00	Rmt

127	P/F 25mm dia aluminum powder coted heavy duty (58.33gram/ft)approved draftery curtain rod with decorative side holders and middle brackets including required fittings and screws(length beyond 1.5m) all complete	10.00	Rmt
128	P/F 25mm dia Stainless steel 304 grade heavy duty 16 gauge approved pattern curtain rod with decorative side holders and middle brackets including required fittings and screws all complete	10.00	Rmt
129	Providing & fixing butt hinges heavy aluminium 100mm in brass with new screws, removing old broken hinges wherever existing.	10.00	Nos
130	Providing & fixing butt hinges heavy aluminium 75mm in brass with new screws, removing old broken hinges wherever existing.	10.00	Nos
131	Providing & fixing 150mm tower bolt in aluminium with new screws, removing old broken tower bolt wherever existing.	10.00	Nos
132	Providing & fixing 100mm tower bolt in aluminium with new screws, removing old broken tower bolt wherever existing.	10.00	Nos
133	Providing & fixing buffer stopper with new screws, removing old broken buffer stopper wherever existing.	10.00	Nos
134	Providing and fixing 300mm long stainless steel heavy duty aldrop with require fittings and fixtures etc. Complete.	10.00	Nos
135	Providing and fixing 300mm long heavy duty brass oxidized aldrop with require fittings and fixtures etc. Complete.	10.00	Nos
136	Providing & fixing Jaguar make paper holder with new screws, removing old broken paper holder wherever existing.	10.00	Nos
137	Providing & fixing Jaguar made towel rack 600mm long with new screws, removing old broken towel rack wherever existing.	10.00	No
138	Providing and fixing Galvanised Welded mesh 12mm x 12mm and (18 gauge) to teakwood frame work including fixing weld mesh with 37mm x 12mm teakwood bedding patti and necessary pocketing for opening for shutters with necessary screws , fitting as directed	10.00	Sq.m
139	Providing and laying Kotah stone for flooring, skirting, tread, riser of steps 25mm to 30mm thick of required size in plain / diamond pattern on a bed of 1:4 cement mortar (1 cement : 4 crush sand) or 20 mm thick plaster of cement mortar 1:3 (1 cement : 3 coarse sand) including cement float, filling joints with neat cement slurry, curing, polishing and cleaning complete.	20.00	Sq.m
140	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, scaffolding if required etc. complete as directed.	50.00	m2

141	Providing and applying 12 mm thick (average) premixed formulated one coat gypsum lightweight plaster having additives and light weight aggregates as vermiculite/ perlite respectively conforming to IS: 2547 (Part - 1 & II) 1976, applied on hacked / uneven background such as bare brick/ block/ RCC work on walls & ceiling at all floors and locations, finished in smooth line and level etc. Complete.	10.00	m2
142	Providing and fixing urinal sensor flush valve electrically or battery operated of Askon / Jaquar or equivalent make including making cut out in walls and concealed outlet pipe up to the urinal pot with all required fittings and fixtures etc. completed as directed.	2.00	Nos
143	Providing and fixing Easy Flex Tube in Chrome Finish with Nuts for shower jaquar make, as per existing model, heavy type including necessary fittings and fixtures, removing the old damaged Flex Tube and cleaning the site etc. all complete as directed by Engineer In-charge. (Note: The old dismantled material should be deposited in Estate store and take certificate of it)	2.00	No.
144	Providing and fixing Hand Shower Pack (Single flow 70mm round shape hand shower with 1.5M long spirochrome flex hose & wall bracket of Essco make, as per existing model, heavy type including necessary fittings and fixtures, removing the old damaged hand shower pack and cleaning the site etc. all complete as directed by Engineer In-charge. (Note: The old dismantled material should be deposited in Estate store and take certificate of it)	2.00	No.
145	Providing and fixing Bath Tub Spout With Button Attachment For Hand Shower With Wall Flange of jaquar make, as per existing model, heavy type including necessary fittings and fixtures, removing the old damaged bath tub spout and cleaning the site etc. all complete as directed by Engineer In-charge. (Note: The old dismantled taps should be deposited in Estate store and take certificate of it)	2.00	No.
146	Providing and fixing Single lever kit consisting of operating lever, wall flange & button of jaquar make, as per existing model, heavy type including necessary fittings and fixtures, removing the old damaged Single lever kit and cleaning the site etc. all complete as directed by Engineer In-charge. (Note: The old dismantled materials should be deposited in Estate store and take certificate of it)	2.00	No.
147	Providing and fixing Bottle Trap (with Internal Partition) 32mm Size with 300mm & 190mm Long Wall Connection Pipes & Wall Flange of jaquar make, as per existing model, heavy type including necessary fittings and fixtures, removing the old damaged Bottle trap and cleaning the site etc. all complete as directed by Engineer In-charge. (Note: The old dismantled materials should be deposited in Estate store and take certificate of it)	1.00	No.
148	Providing and fixing Premium Wall Bracket for Hand Shower, ø35mm & 100mm Long Round Shape of jaquar make, as per existing model, heavy type including necessary fittings and fixtures, removing the old damaged wall bracket and cleaning the site etc. all complete as directed by Engineer In-charge. (Note: The old dismantled materials should be deposited in Estate store and take certificate of it)	2.00	No.

149	Providing and fixing Cloth Liner Retractable (Stainless Steel) of jaquar make, as per existing model, heavy type including necessary fittings and fixtures, removing the old damaged cloth liner and cleaning the site etc. all complete as directed by Engineer In-charge. (Note: The old dismantled materials should be deposited in Estate store and take certificate of it)	2.00	No.
150	Providing and fixing Concealed Flush tank with kit of parryware make, as per existing model, including necessary fittings and fixtures, removing the old flush tank and cleaning the site etc. all complete as directed by Engineer In-charge. (Note: The old dismantled materials should be deposited in Estate store and take certificate of it)	2.00	No.
151	Providing and fixing 300mm long stainless steel handles to door of approved quality and design with necessary fittings and fixtures etc. completed as directed.	5.00	Set
152	Providing and fixing 450mm long stainless steel handles to door of approved quality and design with necessary fittings and fixtures etc. completed as directed.	5.00	Set
153	Providing and fixing double action hydraulic floor spring With stainless steel cover plate minimum 1.25 mm thickness of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge.	2.00	Nos
154	Providing and fixing Godrej make concealed type door closer as per the existing pattern of approved quality and make to door shutter including making proper adjustment for smooth operation etc. Complete.	100.00	Nos
155	Providing and fixing Mortise Lock with handles of Shalimar or equivalent make, as per existing model including necessary fittings and fixtures, removing the old damaged set without damaging to door and cleaning the site etc. all complete as directed by Engineer In-charge. (Note: The old dismantled materials should be deposited in Estate store and take certificate of it)	20.00	No.
156	Providing and fixing Mortise lock cylinder 80mm with keys as per existing model including necessary fittings and fixtures, removing the old damaged set without damaging to door and cleaning the site etc. all complete as directed by Engineer In- charge. (Note: The old dismantled materials should be deposited in Estate store and take certificate of it)	10.00	No.
157	Providing and fixing Main door side stainless steel safety chain lock heavy type, as per existing model including necessary fittings and fixtures, removing the old damaged set without damaging to door and cleaning the site etc. all complete as directed by Engineer In-charge. (Note: The old dismantled materials should be deposited in Estate store and take certificate of it)	5.00	No.

158	Providing and fixing SS 304 heavy duty hinges of 3.5" x 4.5" for glass partition wall in bathroom of Enox or any other IITB approved brand including safely removing and refixing by making it in proper alignment and operation. (Note: The old dismantled hinges should be deposited in Estate store and take certificate of it)	5.00	Job
159	Hire charges for providing J.C.B for cutting and leveling the heaps of soil, for desilting / widening/deepening the kachha nallah /drains including necessary labour, operator, fuel etc. excavating, shifting, spreading and leveling the soil / debris at low lying area using the machinery etc. all complete as directed.	5.00	Per Hr.
160	Hiring charge of road roller 8 to 10 ton capacity for rolling and levelling in various locations in IITB campus. The hiring charges are inclusive of wages of roller driver, cleaner, diesel/ oil, incidentals etc, payment will be given for the actual period of roller operated and no breaks will be considered for payment.	5.00	Per Hr.
161	Providing and replacing Aluminium Die casting front plate / SS front plate with frame suitable for existing sensor ( Hindware / askon ) with necessary fittings and fixtures as per manufacturer specifications and necessary plumbing work etc complete as directed by Engineer In-charge.( visiting charges / service charges for mechanic for repairing existing sensor will be paid under respective item )	2.00	Per no
162	Providing and replacing Integrated electronic control circuit which is suitable for existing sensor with necessary fittings and fixtures as per manufacturer specifications and necessary plumbing work etc complete as directed by Engineer In-charge.( visiting charges / service charges for mechanic for repairing existing sensor will be paid under respective item )	2.00	Per no
163	Providing and replacing full solenoid valve which is suitable for existing sensor with necessary fittings and fixtures as per manufacturer specifications and necessary plumbing work etc complete as directed by Engineer In-charge.( visiting charges / service charges for mechanic for repairing existing sensor will be paid under respective item )	2.00	Per no
164	Providing and replacing full coil set for solenoid valve ( coil + plunger+spring + Diaphragm ) which is suitable for existing sensor with necessary fittings and fixtures as per manufacturer specifications and necessary plumbing work etc complete as directed by Engineer In-charge. ( visiting charges / service charges for mechanic for repairing existing sensor will be paid under respective item )	2.00	Per no
165	Visiting charges / service charges for mechanic for repairing existing sensor including minor works like replacement of batteries etc complete as directed by Engineer In-charge.	5.00	Per visit

166	Providing and fixing solid core flush door in single or double leaf 45-50 mm thick of commercial type of exterior grade, approved commercial plywood facing both side including prelaminated sheet/ sunmica as per existing pattern with all necessary beads, moulding and lipping, Mortice lock with handles( shalimar / equivalent make) , 12" long stainless steel heavy tower bolt 1 no , 4 no. of heavy duty butt hinges as per existing pattern, 1 no. Door stopper, 1 no concealed door closer and other required fittings etc as per the existing pattern etc all Complete as directed by Engineer In-Charge. (shade and pattern of door should be matched with existing doors). (fittings will be approved by Engineer in charge before fixing) contractor will be allowed to take away old dismantled material if available for which 5% deduction will be made of schedule rate of this item.	10.00	m2
<b>Special Conditions :</b>			
1	Estate Office reserves the right to take possession of any old materials under its control.		
2	Existing passenger lifts should not be use for shifting construction materials or debris. If found Rs 5000 penalty per incident will be recovered.		
3	Safety precautions should be strictly followed while repair construction work If any violation found Rs 5000 penalty per incident will be recovered.		
4	No partial payments will be made for any defective work. The corresponding payment shall be withheld until the defects are rectified		
5	<b>Compensation for Delay in individual task / Work in case of unjustified delays</b>		
	The time required for addressing each complaint or completing any job will be determined by the Engineer-in-Charge or their representative when assigning the task or handing over the complaint.  Once the contractor receives the intimation through email or job card (whichever comes first) related to the work, they must start the work immediately and ensure it is completed within the specified time frame mentioned. Multiple complaints may be issued simultaneously, subject to availability. The contractor must manage resources effectively to ensure the work progresses smoothly and without interruption. The contractor must not cause any delays at any stage of the work. If there is any delay or lack of progress during the execution, the contractor will be charged a penalty As mentioned below , in addition to the clause 2 ( Compensation for delay ) of IITB tender document ( Clause 2 shall apply in the event of a delay in the overall project duration) .		
6	Day-to-Day Maintenance Works		
	As the area is a prime location and VIP zone, all day-to-day maintenance complaints, including the replacement of plumbing and carpentry fittings and fixtures, must be addressed and completed on the same day the complaint is issued. Any delay in completing maintenance work in residential quarters beyond the specified time will incur a penalty of Rs. 100 per day for each complaint/job.		

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 recored 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.

*[Handwritten Signature]*  
Superintending Engineer (I/C)  
30/9/19

## INDEX SHEET

Sr. No.	Content	Page No.
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	Annexure 'A'	
3	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.	
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	ESIC registration certificate and copies of ESIC challans of last 12months. OR 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 & 2023-24.	
11	List of Equipment's, Machinery, Tools.	
12	List of Technical Staff with copies of their Degree/diploma certificate.	
13	Earnest Money Deposit	
14	Power of Attorney, if any.	
15	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.	
16	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.	
17		
18		
19		

**Signature & stamp of the Contractor**