

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

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

File No. : EO/A/HOSTEL/WKS-55/24-25

Name of Work : Construction of RCC structure for Electric Substation near Hostel No.1.

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.

*Deepak*  
21/08/2024

Superintending Engineer (I/C)

*Deepak*  
*24/8*

Signature of Contractor  
Name & Address in full

## WORKS UNDERTAKING

EO/A/HOSTEL/WKS-55/24-25

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

Sub : Construction of RCC structure for Electric Substation near Hostel No.1.

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 06 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/A/HOSTEL/WKS-55/24-25

ESTATE OFFICE

Name of work :- Construction of RCC structure for Electric Substation near Hostel No. 1

Schedule of Work

Sr. No.	Description of work	Qty.	Unit
1	Site cleaning including surface dressing of the ground including removing vegetation and inequalities and levelling/disposal of rubbish, debris, vegetation, etc all complete as directed by Engineer In-Charge.	900.00	Sqm
2	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, hard murum & boulders up to 1.50 meter depth including removing the excavated materials beyond the building area, stacking and spreading as directed including dewatering , preparing the bed for the foundation and necessary backfilling, ramming, watering etc all complete as directed by Engineer In-Charge.	250.00	Cum
3	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, hard murum & boulders beyond 1.50 meter depth including removing the excavated materials beyond the building area, stacking and spreading as directed including dewatering , preparing the bed for the foundation and necessary backfilling, ramming, watering etc all complete as directed by Engineer In-Charge.	250.00	Cum
4	Excavation for hard rock by mechanical means of (Hydraulic excavator)/ manual means in foundation trenches of drains up to any depth including dressing of sides and ramming of bottoms , including getting out the excavated soil/rock and disposal of surplus excavated soils/rock as directed inside IIT campus at specified location. (Hard rock blasting is prohibited) etc. All complete as directed by Engineer In-Charge.	720.00	Cum
5	Demolishing reinforced cement concrete work (chajja, pardi, beams, slab etc.) including breaking concrete with the help of mechanical tools/electrical tools, scaffolding, etc and stacking the debris and scrap steel for taking away out of IIT campus. All complete as directed by Engineer In-Charge.	1.00	Cum
6	Dismantling Plain cement concrete work by manually/mechanical means including breaking concrete by chiseling, wedging etc. and stacking the same up to a distance of 50 meters or at suitable location near site etc. all complete as directed by Engineer In-Charge.	1.00	Cum

7	Pulling down burnt brick masonry (in cement mortar) with plaster including sorting out serviceable bricks for reuse and taking away debris out of IIT campus etc. all complete as directed by Engineer In-Charge.	1.00	Cum
8	Dismantling UCR Masonry work including breaking the wall by manually/mechanical means, stacking the rubble stone for re-use etc. and stacking the debris at suitable location for taking away out of IIT campus etc. all complete as directed by Engineer In-Charge.	5.00	Cum
9	Excavating, supplying and filling with contractors murum in trenches, plinth, foundation & floors in 15cm to 20cm layers including ramming and watering etc all complete as directed by Engineer In-Charge.	450.00	Cum
10	Filling with available excavated earth in trenches, plinth, foundation & floors in 15cm to 20cm layers including ramming and watering etc all complete as directed by Engineer In-Charge.	50.00	Cum
11	Providing dry trap / rubble stone soling 15cm to 20cm thick including hand packing and compacting etc. all complete as directed by Engineer In-Charge.	120.00	Cum
12	Laying dry trap / rubble stone soling of required thickness including hand packing and compacting etc. complete using IITB stone including transporting stone from various locations from IIT campus and cutting the stone in required size as per requirement etc all complete as directed by Engineer In-charge.	50.00	Cum
13	Providing and laying plain cement concrete M-20 of trap metal for leveling/bedding, flooring, plinth protection, etc. including bailing out water (dewatering), formwork, compacting and curing etc. all complete as directed by Engineer In-Charge.	12.00	Cum
14	Providing and laying in position ready mix (RMC) plain M-20 grade cement concrete using trap metal, river sand and cement as per approved mix design based on guidelines given in IS 456:2000 for foundation and bedding, the item inclusive of admixtures of approved manufacturing company required during the period of transportation to maintain the workability of concrete. The ready mix concrete required for approved grade should be from Plant which is certified / approved by the Engineer In-charge. The RMC concrete should be manufacture in fully automatic batching plant and transported to site of work in transit mixer for all leads & lifts having continuous agitated mixer including admixtures to accelerate, retard setting of concrete to improve the workability impairing strength and durability. The item includes pumping of RMC from transit to site of laying includes bailing out water manually centering, shuttering, compacting by vibrator and curing etc. all complete as directed by Engineer In-Charge. (Excluding reinforcement)	70.00	Cum

15	Providing and laying in position ready mixed or site batched design mix cement concrete of M-30 grade with minimum cement content of 350 kg /cum for reinforced cement concrete work in foundation like raft, strip, grillage foundation and footing of R.C.C. Columns and steel stanchions using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, bailing out water, curing, carriage for all leads & lifts, etc all complete as directed.(excluding the cost of centering, shuttering and reinforcement)	60.00	Cum
16	Providing and laying in position ready mixed or site batched design mix cement concrete of M-30 grade with minimum cement content of 350 kg /cum for reinforced cement concrete work like columns, Beams, Lintels, slabs, pardi, etc. using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, bailing out water, curing, carriage for all leads & lifts, etc all complete as directed by Engineer In-Charge.(excluding the cost of centering, shuttering and reinforcement)	165.00	Cum
17	Providing & fixing centering and shuttering including strutting, propping etc. at any height without any gap for foundations, footings, bases of columns, etc including necessary supports, jacks wherever required with adequate bracing, proping, etc including cost of de-shuttering & de-centering at all levels etc. all complete as directed by Engineer In-Charge.	200.00	Sqm
18	Providing & fixing centering and shuttering including strutting, propping etc. at any height without any gap for beams, columns, Suspended floors, roofs, landings, balconies and access platform including necessary supports, jacks wherever required with adequate bracing, proping, etc including cost of de-shuttering & de-centering at all levels etc. all complete as directed by Engineer In-Charge.	1,660.00	Sqm
19	Providing & fixing in position mild steel / tor steel / TMT bar reinforcement (Fe 500D) of various diameters for RCC lintels, beams, slabs, column, footings etc as per details given including cutting, hooking the bars, binding with wires or tack welding & supporting as required including scaffolding etc. all complete as directed by Engineer In-Charge.	20,000.00	Kg
20	Providing & fabricating structural steel works in rolled sections like joists, channels, angles, tees, plates, round pipes etc. as per site requirement including fixing in position with connection plates, braces, and welding, riveting, bolting as necessary including scaffolding and painting with one coat of metal primer and two coats of synthetic enamel paint etc. All complete as directed by Engineer In-Charge.	6,000.00	Kg
21	Providing, fabricating and fixing Chequered Plate of required thickness over trenches including in required size, welding, fixing necessary supporting M.S frame work with the plate including one coat of steel primer and two coats of synthetic enamel paint etc. all complete as directed by Engineer In-Charge.	500.00	Kg

22	Applying Hot-Dip Galvanizing coating for structural steel/TMT bars as per standard specification with thickness not less than 120 microns including transportation, loading, unloading, etc all complete as directed by Engineer In-Charge.	6,630.00	kg
23	Providing & fixing approved quality 12 Gauge thick weld mesh with nails at junction of R.C.C. and masonry walls before plastering etc. all complete as directed.	100.00	Sqm
24	Providing second class burnt brick masonry with conventional type bricks in cement mortar 1:6 in foundation & plinth including, racking out joints and watering etc. All complete as directed by Engineer In-Charge.	2.00	Cum
25	Providing second class burnt brick masonry with conventional type bricks in cement mortar 1:6 in superstructure including scaffolding, racking out joints and watering etc. all complete as directed by Engineer In-Charge.	160.00	Cum
26	Providing second class half burnt brick masonry with conventional type bricks in cement mortar 1:4 in superstructure including scaffolding, striking joints racking out joints and watering etc.all complete as directed by Engineer In-Charge.	50.00	Sqm
27	Providing uncoursed rubble masonry of trap stones in cement mortar 1:6 in foundation and plinth including bailing out water manually, striking joints on unexposed faces and pointing with cement mortar 1:3 on outside exposed faces and watering etc all complete as directed by Engineer In-Charge.	10.00	Cum
28	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:4 without neeru finish to concrete or brick surfaces in all positions including scaffolding and curing etc. all complete as directed by Engineer In-Charge.	600.00	Sqm
29	Providing cement plaster 20mm thick in single coat in cement mortar 1:4 without neeru finish to concrete or brick surfaces in all positions including scaffolding and curing etc. all complete as directed by Engineer In-Charge.	850.00	Sqm

30	<p>Providing and applying external waterproof plaster using factory made ready mix polymer cement mortar plaster.</p> <p>i) Providing and rendering the prepared surfaces with new sand faced cement plaster of minimum 20mm thick in two coats by using factory made ready mix polymer modified cement plaster waterproof plaster of approved make (M/s Wall Plast, M/s Fare-Matt) or approved.</p> <p>ii) The base coat of minimum 12mm thick using above ready mixed polymer modified mortar plaster to proper plumb level &amp; line including making the plaster surface rough (all as per the manufacturer's specifications) to receive the top finish coat.</p> <p>iii) Applying top/finish coat plaster of minimum 8mm thickness with similar ready mix polymer cement mortar plaster finishing in perfect plumb, line &amp; level so as to obtain fine sand grain finish by using branded approved variety sponge or using mechanised device including adding additional required quantity of cement for managing richer mix of approved brand at no extra cost, doing regular curing for minimum 7 days.</p> <p>iv) The rate shall include providing double scaffolding as per the specifications prescribed at above upto the required height and doing work at all heights and lifts.</p>	850.00	Sqm
31	<p>Providing sand face cement plaster externally using approved screened sand in all positions including base coat of 15mm thick in cement mortar 1:4 using water proofing compound @ 2% by weight of cement and curing the same for not less than two days and keeping the surface of base coat rough to receive the sand faced treatment 6 to 8mm thick in cement mortar 1:4, finishing the surface by taking out grains and curing for 14 days, scaffolding etc all complete as directed by Engineer In-Charge.</p>	50.00	Sqm
32	<p>Providing and laying 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 finished with a floating coat of neat cement including compaction, filling joints, adding recommended waterproofing admixtures @ 2% by weight of cement, cement slurry, curing, marking lines to give appearances of tiles as directed, including all lead and lift and covering the whole treatment with 07 years' guarantee on requisite (Rs-100/-) non-judicial stamp paper etc. all complete as directed by Engineer In-Charge.</p>	10.00	Sqm
33	<p>Providing &amp; laying cement based waterproofing treatment of 115mm average thickness consisting of 12mm thick layer in cement mortar 1:3 with waterproofing compound 2% by weight of cement as base, constructing and laying brick bat coba in cement mortar 1:5 with waterproofing compound at the rate of 2% by weight of cement and having average thickness of 80mm and finishing with 20mm thick cement plaster layer in cement mortar 1:3 with water proofing compound 2% by weight of cement including all leads, lifts and laid to proper slope to drain off water entirely including watta at the junction of parapet and work upto a height of 300mm or as directed and including finishing the top layer of water proofing treatment with false marking of 30cmx30cm or as directed and covering the whole treatment with 10 years' guarantee on requisite (Rs-500/-) non-judicial stamp paper etc. all complete as directed by Engineer In-Charge.</p>	400.00	Sqm
34	<p>Providing and laying polished Kotah stone slab not less than 25mm thick for flooring in desired pattern on bed of 1:4 cement mortar including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. all complete as directed by Engineer In-Charge.</p>	50.00	Sqm
35	<p>Providing and laying coloured granite slabs of not less than 16mm thick of approved quality colour and cladding floor platform and on a bed of 1:4 cement mortar including moulding, filling joints with coloured cement to match colour of slab, curing polishing etc. All complete as directed by Engineer In-Charge.</p>	55.00	Sqm

36	Providing and fixing kadappa stone slab for platform of approved type and design not less than 25mm thick in cement mortar 1:4 including filling joints, curing, cleaning etc. all complete as directed by Engineer In-Charge.	20.00	sqm
37	Providing and fixing in position three track aluminium sliding windows using sections of size 92 mm x 31mm x 1.3 mm (0.933kg/mtr) thick for bottom, sides and top. The shutter comprising of bottom and top member of size 40 mm x 18 mm x 1.25 mm (0.417kg/mtr) thick , interlocking section of size 40 mm x 18 mm x 1.10 mm (0.469kg/mtr) thick and handle section of size 40mm x 18 mm x 1.25 mm (0.417kg/mtr) thick including providing and fixing 5 mm thk. glass in two shutters and aluminium fly proof mesh in one shutter using rubber gasket, approved quality minimum two nos.PVC rollers for each shutter, necessary locks, handles, PVC lining and other required fittings, etc. all complete as directed by Engineer In-Charge.( Note: All aluminium sections should be 15 micron anodized/ powder coated).	20.00	Sqm
38	Providing and fixing aluminium louvered ventilators using 50mm x 25mm x 16 guage aluminium box frame (0.59 Kg/Rmt) anodized to 15 microns / powder coated for outer frame and intermediate vertical members as directed including 5mm thick plain or frosted glass 125mm wide for louvers at proper inclination including P/F glass on adjustable aluminium louvered of approved size including necessary provision for exhaust system etc. All complete as directed by Engineer In-Charge.	15.00	Sqm
39	Supplying, fabricating and fixing in position aluminium fully openable window using aluminium sections 42 x 30 x 1.5mm size aluminum single border outer frame of window shutter, 42 x 37 x 1.5mm size, aluminum Z section for window shutter, 28 x 14.5 x 1.5mm size, aluminum clip for window shutter, 45 x 45 x 1.5mm size aluminum center patti for mullion and intermediate section, 37mm x 37mm angles 2mm thick, 5.0mm thick plain glasses with rubber gasket, 3 Nos. S.S. hinges 75mm size (heavy) on each window shutter, aluminum tower bolt 100mm size 1 Nos on each leaf, aluminum stay 200mm to 250mm long 1 No per leaf, aluminum handle 1 Nos. per leaf, etc. all complete as directed by Engineer In-Charge.(All aluminium sections should be 15 micron anodized section/power coated)	10.00	Sqm
40	Providing and fixing flush door shutters 35mm thick as per site requirements non decorative type with core of block board construction with frame of 1 <sup>st</sup> class hard wood and well matched 1 mm sunmica sheet of approved brand on both faces of shutter with 3 nos of heavy duty brass butt hinges powder coated finished of required size 100mm x 25mm for each shutter with necessary screws, P/F 250mm long heavy duty brass aldrop, Brass handles 150mm on both side, 10" long brass toddy bar (tadi patti) 1 no and other required fittings and fixtures etc.all complete as directed by Engineer In-Charge.	15.00	Sqm
41	Providing and fixing Hyper brand automatic hydraulic door closer, with necessary accessories and screws etc. all complete as directed by Engineer In-Charge.	7.00	Nos
42	Providing and fixing Aluminium fly proof mesh fixed in frame made of Aluminum section of 37mmx18mmx1.2mm including fixing it on existing frame with all necessary fitting and fixtures with proper locking arrangement and scaffolding etc. all complete as directed by Engineer In-Charge.( Note: All aluminium sections should be 15 micron anodized/ powder coated).	15.00	Sqm

43	Providing and applying Silicone sealants of approved make around window frames / window frame joints and drill holes for water outlet when the rain water on the glass fall into the channel and overflows wherever required including scaffolding etc. all complete as directed by Engineer In-Charge.	200.00	Rmt
44	Providing and fixing mild steel grill work of required pattern for windows, open area, etc. With M.S angles, flats, square or round bars and doors in M.S. grill including fixtures, necessary welding and painting with one coat of anti-corrosive paint and two coats of synthetic enamel paint and scaffolding wherever required, etc. all complete as directed by Engineer In-Charge.	1400.00	Kg
45	Providing and fixing rolling steel shutters of approved make, made of required size MS laths of 18/19 gauge interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation, housing box ,gear box including the cost of providing and fixing necessary 27.5cm long wire springs 3 to 4 nos of grade No.2 and M. S. Top Cover of required thickness for rolling shutters including, applying one coat of red oxide primer & two coats of synthetic enamel paint etc all complete as directed by Engineer In-Charge.	75.00	Sqm
46	Providing and fixing stainless steel (Grade 304) railing, grating, framework made of Hollow tubes, channels, plates, bars etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, 1/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 directed by Engineer In-Charge.	50.00	Kg
47	Providing and applying white cement based Birla make wall care putty with uniform thickness over the existing internal cement plaster in proper line / level including preparing the wall surface including scaffolding etc. all complete as directed by Engineer In-Charge.	1450.00	Sqm
48	Providing and applying two coat of seal cement primer IITB approved brand, cleaning the surface with the use of stepladder/scaffolding including covering the floor, window glass with plastic sheet, scrapping the surface, removing nails, socket holes, levelling the entire surface with lambi / palti and cleaning etc all complete as directed by Engineer In-Charge. (Asian/Berger/Nerolac/ICI/Dulux)	1,450.00	Sqm
49	Providing and applying roller finish Acrylic plastic emulsion paint of IITB approved manufacturer and of desired colour and shade to old / new ceiling & wall surfaces in two coat with uniform finish with the use of stepladder, scrapping, preparing and levelling the surfaces with palti/putty, as per manufactures specification including covering the floor, window glass with plastic sheet and cleaning (excluding priming coat) etc all complete as directed by Engineer In-Charge. (Asian/Berger/Nerolac/ICI/Dulux)	1,450.00	Sqm

50	Providing and applying one coat of primer of IITB approved brand to wood work and steel works including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter, sand papering etc. With the use of stepladder etc. all complete as directed by Engineer In-Charge. (Asian/Berger/Nerolac/ICI/Dulux)	100.00	Sqm
51	Providing and applying two coats of synthetic enamel paint of IITB approved brand & desired shade to old and new wood work and structural steel works with the use of stepladder/scaffolding, preparing the surface by scrapping, filling all cracks / holes with lambi / palti, levelling the surface, cleaning etc. all complete as directed by Engineer In-Charge. (Asian/Berger/Nerolac/ICI/Dulux)	100.00	Sqm
52	Providing and applying one coat of tricare exterior wall primer and two coats of apex ultima paint of approved colour & shade of Asian paints or approved brand on old or new plastered surface over concrete / brickwork as per manufacturer's specification including scaffolding and cleaning the surface thoroughly with coir brush, watering the surface etc. complete including covering the floor, window glass with plastic sheet etc. all complete as directed by Engineer In-Charge.	1,000.00	Sqm
53	Providing and applying Epoxy flooring of Dr Cipy or approved make for total thickness not less than 2mm where surface prepared by grinding by mechanical means and should be free from dust, oil, grease prior to application of primer. Applying one coat of epoxy primer which is thoroughly mixed slowly using a slow speed drill and paddle for at least 4 minutes. Primer to be applied on the dry concrete surface @ 0.2 to 0.25Kg/per square meter by Brush/Roller. Applying epoxy material underlay screed of minimum 1mm thick coat i.e. base coat after drying of the Primer (usually after 6 - 8 hrs. from application of primer) of Dr.Cipy or approved make ;Spreading talc powder before applying top coat of average thickness of 1mm-2mm in glossy /Matt finish just after the drying of base coat (within at least 12 hrs or as per manufacturers specification) including applying industrial marking of upto 4 inch width. All the work should be executed as per approved design, finish, colour and all proportions as per manufacturers specification with required adhesive, etc. all complete as directed by Engineer In-Charge.	750.00	Sqm
54	Providing and fixing P.V.C. rain water pipes 160mm outer dia. conforming to I.S. including proper rain water receiving recess with P.V.C. plug bend, necessary fittings such as offsets, shoes including fixing the pipe on wall using approved M.S brackets projecting 25mm to 40mm from face of wall , filling the joints using rubber gasket with solvent cement and properly resting the shoe of pipes on C.C. or masonry blocks, including necessary scaffolding, and maintenance for 3 years for any type of leakages or dislocation of pipes. All the PVC fittings and additional two piece socket clips shall be got approved from Engineer In-charge etc. all complete as directed by Engineer In-Charge. (Make-Finolex/Kissan/Prince)	80.00	Rmt
55	Providing and constructing Brick Masonry Inspection Chamber 90 cm x 60 cm and 45 cm to 90 cm in depth including necessary excavation, cement concrete in M-20 foundation, 23 cm thick channels, brick masonry, plastering from inside and outside as required in cement mortar 1:3 and airtight heavy duty RCC cover with frame work fixed in cement concrete 1:2:4 etc all complete as directed by Engineer In-Charge.	1.00	Nos

56	Providing and constructing Brick Masonry Inspection Chamber 90 cm x 60 cm and 90 cm to 150 cm in depth including necessary excavation, cement concrete in M-20 foundation, 23 cm thick channels, brick masonry, plastering from inside and outside as required in cement mortar 1:3 and airtight heavy duty RCC cover with frame work fixed in cement concrete 1:2:4 etc all complete as directed by Engineer In-Charge.	1.00	Nos
57	Providing and laying Non Pressure NP-3 class (Medium duty) R.C.C. Pipes of 600 mm diameter including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) in proper line, level and slope including loading and unloading of pipes etc all complete as directed by Engineer In-Charge.	10.00	Rmt
58	Providing and laying interlocking cement concrete paver blocks in specified pattern 80mm thick with compressive strength not less than 40N /sqmm and as per IRC : SP:63-2004 manufactured by mechanised blocks with moulding machine, laying the blocks with proper line, level and required slope, including compacting and pressing with paver block pressing machine including providing and laying necessary sand bedding 20-40mm thick as required and joint filling using sand of gradation as per IRC : SP:63-2004 clause 6.5.1 and 6.5.2 respectively and as directed etc. All complete as directed by Engineer In-Charge.	30.00	Sqm
59	Collecting, transporting and shifting of surplus excavated materials, debris from anywhere inside of IITB Campus to low lying area or as directed for foundation including loading by mechanical means (JCB, Truck) and unloading the same to the low lying area, spreading, levelling, watering and compaction the same etc. all complete as directed by Engineer In-Charge. (16% voids will be deducted of inside hold of truck for truck measurement).	50.00	Cum
60	Hiring charges for J.C.B/mini poclairn for excavation, cutting and levelling the heaps of soil including necessary labour, operator, fuel etc. excavating, shifting, spreading and leveling the soil at low laying area etc. all complete as directed by Engineer In-Charge.	16.00	Per Hr.
61	Hiring charges for vibrator roller of 2 to 3 tonne capacity for rolling and compacting the soil/debris including necessary labour, operator, fuel etc. rolling, watering and compacting the soil along the alignment using the machinery etc. All complete as directed by Engineer In-Charge.	16.00	Per Hr.

62	Disposing debris, loose stones, boulders, concrete pieces, broken and dry leaves etc. collected and stacked as directed including loading in trucks, transporting out of IIT Campus including obtaining permission of BMC competent authorities for disposing off on to their approved locations. The debris are to be removed from site as soon as the truck load is accumulated etc. all complete as directed by Engineer In-Charge. (30% voids will be deducted from actual measurement for loose stones, boulders, concrete pieces)	50.00	Cum
63	Providing and fixing Jute Kantan (Tarat) screen to the scaffolding of external guniting as directed including removing the same after the work is over etc. all complete as directed by Engineer In-Charge.	650.00	Sqm
64	Providing and erecting 2.00 metre high temporary barricading at site; each panel of size 2.50mx2.00m made of 40x40x6mm angle iron or 50x50x3mm hollow MS tube posts/horizontal members/bracings covered with 1.63mm thick MS sheet. The sheet shall be fixed with 30x5mm MS flat by suitable welding/riveting. The panels shall be made so that gap of 50cm above the ground is available making overall height as 2.5m. MS channel ISLC 75 @ 5.70 kg/m, 50cm long shall be provided at the bottom having oval shaped holes of size 50x25mm at both ends with 50cm long MS angle 40x40x6mm bracing. Suitable arrangement shall be made to fix the barricading to avoid from overturning by providing 250mm long expansion fasteners at both ends. The work shall be executed as per drawing/direction of Engineer-in-Charge which includes writing and painting, arrangement for traffic diversion such as traffic signals during construction at site for day and night, glow lamps, reflective signs, marking, flags, caution tape as directed by the Engineer-in-Charge. The barricading provided shall be retained in position at site continuously i/c shifting of barricading from one location to another location as many times as required during the execution of the entire work till its completion. Rate include its maintenance for damages, painting, all incidentals, labour materials, equipments and works required to execute the job. The barricading shall not be removed without prior approval of Engineer-in-Charge. (Note :- One time payment shall be made for providing barricading from start of work till completion of work i/c shifting. The barricading provided shall remain to be the property of the contractor on completion of the work)	120.00	Rmt

65	<p>Appointment of consultant for Municipal consultancy for BMC approvals for proposed plot development and construction of electric substation near Hostel No. 1.</p> <p>a) Conducting site meetings with client/user as and when required for obtaining necessary documents, requirements of user, preparation of survey drawing, Designing of substation building, finalisation of layout drawing, structural and architectural drawings as per municipal rules &amp; regulations/requirements, preparation of Good for construction drawings including submission of the file for municipal approvals etc all complete as directed.</p> <p>b) Obtaining provisional &amp; final fire NOC and Tree cutting/transplanting procedure, NOC, draft approval/ IOD, CC/LOA, plinth check certificate, final Occupancy Certificate, stability certificates and other necessary data, NOC's related to completion of buiding and other ancillary approvals from concerned municipal authority as per rule and regulations including necessary site visit/checking from competent Municipal authorities as and when required from time to time etc all complete as directed.</p> <p><b>c) Following are the employment terms and condition -</b></p> <ol style="list-style-type: none"> <li>1. Collection of necessary documents from the owner (IIT-B) and submission to BMC.</li> <li>2. Collection of statutory payments with signed challans from competent authorities of IIT-B and submission to the BMC offices only after the recommendation of the consultant.</li> <li>3. All the BMC officials site visits and meetings will be taken care of by the consultant alone. The owner will not be responsible/accountable for or involved in the Municipal matters.</li> <li>4. Site execution/construction will be carried out by owner after approved drawings provided by consultant.</li> <li>5. Site inspection/checking for all construction stages should be carried out by the consultant.</li> <li>6. Consultant should ensure that all the consultancy works, liaising works and professional charges should be included in this work.</li> <li>7. The above scope of work includes all other documents, certificates, and NOCs if required for building construction or approval. No seperate payments/charges will be entertained for any other scope.</li> <li>8. Any suggestions or recommendations apart from the scope mentioned may be submitted along with the quotation only.</li> </ol> <p><b>Note: Agency has to submit the approved list of MCGM Liasoning and Architect Consultants (minimum 3 nos.) for carrying out above said work. Estate office reserves the right to finalize the Architect Consultant after verification of documents and scrutiny of credentials.</b></p>	1.00	Job
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- 1) Note : This schedule of work is given for reference purpose only. Contractors are requested to quote your rates online in financial bid.
- 2) If you will engage labourer 20 or more any day, you have to get labour licence as per contract Regulation & Abolition Act 1970 Rule 1971, and also, you have to keep all such 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.

Superintending Engineer (I/C)

*Handwritten signature and date:*  
 21/08/2024  
 Superintending Engineer (I/C)  
 Deposit  
 21/08/2024



INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY  
ESTATE OFFICE, POWAI, MUMBAI, MAHARASHTRA – 400 076  
TEL. 022 2576 4995 E-mail : drestate@iitb.ac.in

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

Sr. No.	Name of Work	Estimated Cost (In Rs.) Incl. 18% GST	EMD (Rs.)	Time Limit	RFX No.
1.	Construction of RCC structure for Electric Substation near Hostel No.01. EO/A/HOSTEL/WKS-55/24-25	Rs.2,11,30,941/-	Rs.4,22,700/-	06 months	6100001847

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 22.08.2024 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 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 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) 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.4,22,700/- (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 rate analysis and ongoing market rates.

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.

*Deepak*  
*21/02/2024*  
Superintending Engineer (I/C)