



INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY  
ESTATE OFFICE, POWAI, MUMBAI, MAHARASHTRA – 400 076  
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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 runway airstrip and drone station with boundary wall and fencing a plot behind Institute vehicle Garage. EO/A/HOSTEL/WKS-51/24-25	Rs.76,71,404/-	Rs.1,53,000/-	60 Calendar Days	6100001792

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.

Date and time of submission of tender documents digitally are from 04.07.2024 to 19.07.2024 till 11:15 a.m. Date of opening of Technical Bid will be 19.07.2024 at 11.30 a.m. and Financial Bid 24.07.2024 (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 **completed works** costing not less than the amount equal to 40% of estimated cost put to tender,  
OR  
Two **completed works**, costing not less than the amount equal to 60% of the estimated cost put to tender  
Or  
One **completed work** of aggregate cost not less than the amount equal to 80% of the estimated cost.  
AND  
ii. One completed work of any nature (either part of (i) or a separate one) costing not less than the amount equal to 40% of the estimated cost put to tender with some Central Government Departments / State Government Departments / State or Central Autonomous Bodies / State or Central Public Sector undertakings.
- 2) Detail statement for work completed, work in hand including balance commitment of work should be enclosed for last three year commencing from 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) / Medclaim policy.
- 8) PAN card.
- 9) GST registration certificate.
- 10) Income Tax Return for last 03 years i.e. of 2021-22, 2022-23 and 2023-24.
- 11) List of Equipment's, Machinery, Tools.
- 12) List of Technical Staff with copies of their Degree/diploma certificate.

- 13) Labour Licence obtained during in **03 years**.
- 14) The contractors who were empanelled under Estate Office under (2018-23) list need not have to upload Demand Draft. The contractors other than empanel list that are applying for tender need to upload a scan copy of Demand Draft / Pay Order for Rs.1,53,000/-(EMD amount) drawn in favour of "The Registrar, IIT Bombay" on online Tendering Portal.
- 15) Power of Attorney, if any.
- 16) Proof of Constitution: An affidavit in case of Sole Proprietorship, Partnership Deed in case of Partnership Firm, Article of Association in case of Private / Public Limited Companies.

**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 an estimate are based on CPWD DSR 2021, and fair market 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 shall be entertained before 24 hours of the Tender opening. Contractors are requested to upload their quotations in advance.**

  
03/09/2024  
Superintending Engineer (I/C)



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

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

File No. : EO/A/HOSTEL/WKS-51/24-25

Name of Work : Construction of Runway airstrip & Drone station with boundary wall & fencing at plot behind Institute Vehicle Garage.

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.

*Handwritten signature and date: 03/07/2024*

Superintending Engineer (I/C)

*Handwritten signature*

*Handwritten mark*

Signature of Contractor  
Name & Address in full

**WORKS UNDERTAKING**

EO/A/HOSTEL/WKS-51/24-25

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

Sub : Construction of Runway airstrip & Drone station with boundary wall & fencing at plot behind Institute Vehicle Garage.

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 60 calendar days 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

Name of Work : Construction of Runway airstrip & Drone station with boundary wall & fencing at plot behind Institute Vehicle Garage.

Schedule of Work

Sr. No.	Description of work	Qty	Unit
1	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.	1,000.00	Cum
2	Providing dry trap / rubble stone soling 15cm to 20cm thick including hand packing and compacting etc. all complete as directed.	260.00	Cum
3	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.	38.00	Cum
4	Construction of granular sub-base (grade I) by providing close graded material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and as directed. NOTE: Compaction test is to be carried out at site.	160.00	Cum
5	Construction of granular sub-base (grade II) by providing close graded material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and as directed. NOTE: Compaction test is to be carried out at site.	160.00	Cum

6	Construction of dry lean cement concrete sub base over a prepared sub-grade with coarse and fine aggregate conforming to IS:383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per specifications, cement content not to be less than 150 Kg/cum, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, for all leads & lifts, laid with a mechanical paver, compacting with 8-10 tonne vibratory roller, finishing and curing etc. All complete as directed. NOTE: Compaction test is to be carried out at site.	75.00	Cum
7	Providing and laying in position Ready mix or site batched design mix M-30 grade cement concrete of trap metal for R.C.C footings / raft / columns / walls/roads/ runway as per detailed designs and drawings or as directed including pumping of concrete to site of laying, cost of centering, shuttering, finishing, admixtures in recommended proportions to accelerate, retard setting of concrete, improve workability without impairing strength and durability, roughening the surface if special finish is to be provided, cutting and filling the contraction joints with joint filler upto full depth etc. completed as directed. (Samples for cube testing is to be taken from each concrete batch)	170.00	Cum
8	Providing & fixing in position mild steel / tor steel / TMT bar reinforcement (Fe 500D) of various diameters for RCC lintels, beams, slabs, column 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.	7,000.00	Kg
9	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. (make-TATA /Jindal)	7,800.00	Kg
10	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.	7,800.00	kg
11	Providing second class burnt brick masonry with best available approved quality well burnt bricks in cement mortar 1:6 in superstructure including striking joints, racking out joints, watering and scaffolding etc all complete as directed.	9.00	Cum

12	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.	45.00	Sqm
13	Providing uncoursed random rubble masonry of trap stones in foundation in cement mortar 1:6 including racking out joints, striking out joints, watering and pointing with cement mortar 1:3 on outside exposed faces, including providing header stones @ 1 per sqm. to the full thickness of wall, providing weep holes, with 100mm dia P.V.C pipes including trasporting stones, cutting the stone in required size as per requirements etc. all complete as directed.	2.00	Cum
14	Providing and laying dry trap / rubble stone pitching to the sloping side in average 200 to 300mm thickness including cuffing, dressing and levelling the undulation of sloping surface, making uniform slope in line and level, laying stone pitching in line level and pointing with cement mortar 1:3 on outside exposed faces, etc. including removing loose earth, cleaning compacting the base providing and fixing 100mm dia. PVC pipe for weep holes at in 1m c/c in staggered position wherever required, etc. All complete as directed.	150.00	Sqm
15	Providing and fixing G. I. Chain links 50mm x 50mm and 8 gauge thick and of desired height, size to MS angle frame works including welding, nut bolts, providing and applying one coat of red oxide metal primer and two coats of synthetic enamel paint of approved brand & make etc all complete as directed.	600.00	Sqm
16	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia, having 50 nos rounds per 6 metre length, upto any height of wall / fence with existing angle iron 'Y' shaped and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, welding all complete as directed by Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (Payment for structural steel used in this item will be paid separately under structural steel item)	220.00	Rmt

17	Providing and fixing barbed wire of 12 guage thick (2.64mm thick) over the fencing on structural steel supporting frame work as per site instructions / as directed at site in proper position, fixing with M. S. Angle and flats as stated above, welding the angles, flats by welding/nut bolts clamps as necessary as per manufacturers specification including providing and fixing using staple clips, and strengthening bolt with necessary scaffolding and tools / plants etc. all complete as directed.	50.00	Rmt
18	Providing and fixing heavy duty capsule hinges for M.S gate including fixing with gate with necessary welding etc. completed as directed.	10.00	Nos
19	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. All complete as directed. (Asian/ Berger/ Nerolac/ Dulux)	50.00	Sqm
20	Providing and applying two coats of synthetic enamel paint of Asian/ Berger/ Nerolac/ Dulux approved brand & desired shade to old and new wood work and structural steel works including preparing the surface by scrapping, filling all cracks / holes with lambi / palti, leveling the surface, cleaning etc. all complete as directed.	50.00	Sqm
21	Providing and applying 2.5 mm thick road marking strips (retro-reflective) of specified shade/ colour using hot thermoplastic material by fully/ semi automatic thermoplastic paint applicator machine fitted with profile shoe, glass beads dispenser, propane tank heater and profile shoe heater, driven by experienced operator on road surface including cost of material, labour, T&P, cleaning the road surface of all dirt, seals, oil, grease and foreign material etc. All complete as directed.	20.00	Sqm
22	Hire charges for providing J.C.B for cutting the heaps of soil,debris and levelling the plot with proper slope including necessary labour, operator, fuel etc. excavating, shifting, spreading and levelling the soil / debris at low lying area using the machinery etc. all complete as directed.	40.00	Per Hr.
23	Hiring charges for vibratory roller compactor of 8 to 10 Ton 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.	80.00	Per Hr.



24	Removing surplus excavated materials, debris etc. from site of work to anywhere in IITB campus as directed beyond the initial lead of 50 mtrs. Including, excavation, loading, transporting to low lying area, unloading, etc. complete. (30% voids will be deducted of inside hold of truck for truck measurement).	400.00	Cum
25	Hiring charges for government registered structural consultant to obtain drawings & design of runway, station & reinforcement steel alongwith bar bending schedule, to supervise the overall execution and issuing structural stability certificate for the same, etc all complete as directed.	1.00	Job
26	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. (30% voids will be deducted from actual measurement for loose stones, boulders, concrete pieces)	10.00	Cum

1) Note : This schedule of work is given for reference purpose only. Contractors are requested to quote your rates online in financial bid.

2) If you will engage labourer 20 or more any day, you have to get labour licence as per contract Regulation & Abolition Act 1970 Rule 1971, and also, you have to keep all such record for inspection to the Principal Employer. If you will engage labour up to 10 Nos. per day, you have to file returns after completion of work as per Building & Construction Act to the Office of Regional Labour Commissioner (Central), Sion, Mumbai.

3) This work is to be executed as per the the clauses mentioned in the tender document signed by you. In addition to the existing safety clause of the tender document a penalty of Rs.5,000/- per case will be recovered from the bills of the particular works, in case any such safety violations are noticed.

4) 01% amount will be deducted from the bills for safety related measures which will be reimburse along with the final bill.

5) Taxes as per government notification time to time.

6) Contractor must pay GST Taxes to concern authority within 30 days time limit after receipt of payment from IIT Bombay & said record must be submitted to IIT Bombay Accounts Section, otherwise action will be taken as deemed fit.

7) If any malpractices / fraud / negligent professional behaviour or any discrepancy / inconsistency / disparity / deviation / disagreement / dissimilarity / mismatch noticed, their contract will be terminated by issuing one month notice by following legal procedure and will be blacklisted and informed to all Government Authorities and Organisations.

*M. Chhapra*  
03/09/2017  
Superintending Engineer (I/C)

*Oil* *\$*