



INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY
ESTATE OFFICE, POWAI, MUMBAI, MAHARASHTRA – 400 076
TEL. 022 2576 7927/4995 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. of 18% GST	EMD (Rs.)	Time Limit	RFX No.
1.	External painting with need based repair works of Nilgiri Building (stilt+16th story). EO/A/CENTAL/WKS-223/22-23	Rs.72,46,505/-	Rs.1,45,000/-	04 Months	6100001338

Intending bidders needs to be register themselves on IIT Bombay portal i.e. <https://portal.iitb.ac.in/vrp/index.jsp> to get User ID and Password. View the open tender on <https://ep.iitb.ac.in/irj/portal> Please visit https://portal.iitb.ac.in/vrp/vrp_srm_docs.jsp for configuration process and user manual. Queries regarding to vendor registration, configuration process please contact on 022 – 2159 3001(ASC Help-desk) and queries regarding to online Bid submission please contact to +91 82915 56277/56377.

Date and time of submission of tender documents digitally are from 17.02.2023 11:15 a.m. to 01.03.2023 upto 11:15 a.m. Date of opening of Technical Bid will be 01.03.2023 at 11:30 a.m. Date of opening of Financial Bid will be on 10.02.2023(Tentative).

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

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

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

13) Labour Licence obtained during last 03 years.

14) The contractors who are empanelled under Estate Office enlisted contractors list need not have to upload a scan copy of DD / Pay Order 2% work EMD against the work. The contractors (other then empanel list) that are applying for tender need to upload a scan copy of DD / Pay Order 2% work EMD (Rs.1,45,000/-). If tender submitted without uploading scan copy of EMD in the form of DD / Pay Order in SRM will be rejected summerly.

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.

Superintending Engineer (I/C)

Note:

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 bid will be valid for 06 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 will 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.

Estimate is prepared as per CPWD DSR 2016 rates & some items rate analysis has done.

The contractor have to quote his own rates online against each item of work.

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

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

Superintending Engineer (I/C)

TO BE UPLOADED ON SRM TENDERING PORTAL WITH FINANCIAL BID

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

File No. : EO/A/CENTRAL/WKS-223/22-23

Name of Work : External painting with need based repair works of Nilgiri Building (stilt+16th story).

Name of the Contractor _____

Sr. No.	Name of Client	Name of Works	2019-2020 (In Lakhs)	2020-2021 (In Lakhs)	2021-2022 (In Lakhs)	2022-2023 (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)

[Handwritten signatures and dates]
15/2/23

Signature of Contractor
Name & Address in full

WORK UNDERTAKING

EO/A/CENTRAL/WKS-223/22-23

ESTATE OFFICE

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

Sub : External painting with need based repair works of Nilgiri Building (stilt+16th story).

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 04 months as mentioned in the notice inviting for tenders.

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.

Note: -

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.

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

Note: Upload the document as a scan copy in PDF format, with all respective information in respect of **manpower/mandays** required for above subjected work with official signature and seal/stamp, otherwise tender will be **rejected**.

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POWAI, MUMBAI – 400 076.

EO/A/CENTRAL/WKS-223/22-23

ESTATE OFFICE

Name of work :- External painting with need based repair works of Nilgiri building (stilt + 16th story).

Schedule of work

Sr. No.	Description	Qty.	Unit
1	Carefully removing internal or external plaster in patches or any length and at any height upto 16 story without damaging structure or brickwork in the vicinity 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 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.	900.00	sqm
2	Exposing the existing damaged RCC members like columns, beams, slabs, chajjas, paradi, fins etc in patches or any length and upto 16 story height by using electrical cutting tools and with sharp chisel, hammer manually up to any depth till the corroded reinforcement will be opened allround without damaging brickwork, plaster in the vicinity, ,cleaning, lowering down and stacking the debris with in 50 mete distance from building , cleaning the site etc. complete, including covering the furniture with plastic sheet while exposing concrete wherever required . Note :- Proper tools to be used for removal of concrete. The exposed area shall be measured for the payment of this item.	20.00	sqm
3	Old reinforcement treatment ,providing and applying reinforcement treatment, comprising of following operations. Cleaning the reinforcement from all sides by using wire brush, tools etc. Application of rust converter such as Alkaline base(Rust kill A) as per manufacturers specification, cleaning as directed complete including actual consumption of Alkaline base converter shall be measured for payment on weight basis. Challans & tax invoice of authorized dealer will be verified. The chemical to be procured in sealed container & seal to be opened in presence of the IITB representatives.	2.50	kg
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 mixing thoroughly base 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 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	6.00	kg
5	Providing and applying an effective bond coat of Polymer (SBR) approved by IITB 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 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 & tax invoice of authorized dealer will be verified.	10.00	kg

6	Providing and Placing in position Readymix Polymer mortar manufacture by M/s, Dr.Fixit, Roff or M.C. Bouchmey, Chembond and approved by adding water in the proportion of 1:0.14(Polymer mortar:water) in prepared grooves/ cracks of concrete court in layers as directed including mixing the polymer mortar with water using forced action mixer ,mild curing with water for 3 days and finishing the surface in all respect etc. Complete. (payment will be paid for the actual quantity of polymer mortar PX used on weight basis. Challans along with tax invoice of authorized dealer will be verified etc. All complete as directed by Estate office)	600.00	kg
7	Providing and sealing hairline / minor cracks in plaster by Paste formed out of polymer (S.B.R.) and cement in the proportion of (1:1 by volume) & adding extra cement for workable hand filling mix, cleaning and wetting the surface, curing and including cutting, demarcating grooves at any height with electrically operated cutter machine between sound and unsound plaster, cracks on external wall, separation cracks etc. complete	20.00	Rmt
8	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.all complete as directed.	50.00	sqm
9	Providing and applying exterior coating for wall including mechanical cleaning of the external surface and treating surface in sound, clean and free from dirt, oil and other loose material and may be done with vacuum cleaning if required. All surface cracks upto 5 mm width will be filled up with Dr. Fixit Crack X paste or similar material. The external surface will be primed with Dr. Fixit Primeseal (or equivalent BASF/ FOSROC/ STP) diluted with potable water in the ratio of 2:1 by volume prior to application of Dr. Fixit Raincoat waterproof coat . Allow it to dry for at least 2 to 3 hours and then apply Dr. Fixit Raincoat waterproof coat or equivalent (BASF/ FOSROC/ STP) having DFT of 100-120 micron DFT.Apply second coat of Dr. Fixit raincoat Select Top Coat with interval of 6-8 hours to achive DFT of 60-70 microns. The maerial having following technical properties : Elongation of >100% as per ASTMD 412; Tensile strength 2.50Mpa per ASTM D 412,passes water resistance as per SS500 standard, complies to anti carbonation test as per EN 1062 part 6 , apply with roller or spray with an interval of 5 to 6hrs. Allow it to air cure for 7 days and do not dilute Dr. Fixit Raincoat waterproof coat & Select top coat by any means. Work includes cleaning the surface thoroughly, watering the surface etc. complete including covering the floor, window glass with plastic sheet, removing & refixing existing grill while work in progress and as directed by this office. and work shall be guaranteed for 3 years by the contractor on requisite stamp paper	200.00	sqm
10	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, fiiling holes with lambi / palti leavelling the surface cleaning etc. Complete.	2880.00	sqm
11	Providing erecting and dismantling (after completion of work) double bamboo scaffold with verticals @ 1.2 to 1.8m inner as well outer faces and horizontal and braces as directed by Engineer In Charge the scaffolding should have a provision for continuous cantilever working platform constructed by aides to be strutted diagonally to prevent from buckling under the weight of materials, at comfort levels for the men and artisans to work which is 6" to 9" away from the wall .Note :Elevational area of scaffolding will be measured for payment & at least 40 to 50% of elevational area of the bldg should be erected at a time)	16000.00	sqm

12	Providing and erecting new arrester/safety net in double layer mesh having first layer 4mm PP rope in 100mmx100mm and second layer with blue fish net with 18mm mesh supported by border rope and tie cord 12mm PP .Rested on MS 50mm dia pipe 3m c/c clamped at one end to the bldg structure & tied diagonally with nylon rope of 16mm to 20mm dia) at another end. Safety net will be fixed at first or above floor as desired location to prevent the debris falling on ground during progress of work and dismantling same after completion of work , cleaning etc.complete.	216.00	sqm
13	Removing existing safety net along with 50mm dia pipe, nylon rope etc. after completion of work on one side and refixing the same to other side as desired while work in progress fixed at first or above floor desired location including finishing damaged area if required , cleaning etc. complete.& finally same will deposing to estate office store.	520.00	sqm
14	Providing and fixing Jute kantan (Tarat) screen over to the scaffolding of external plastering / repairing removing the same after the work gets completed & jute kanthan can be reused 2 to 3 times only if the condition is good ,damaged jute kantan after repeated use will not be allowed to reuse etc.complete. (The elevational area of the covered portion shall be measured for payment purpose)	16000.00	sqm
15	Apply external waterproof plaster at any hight upto 16 story using factory made ready mix polymer cement mortar plaster. 1) 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 waterproofing plaster of approved make (M/s Wall plast, M/s. Fare Matt) or equivalent. 2) The base coat of minimum 12mm thick using above ready mixed polymer modified mortar plaster to proper plumb level & line including making the plaster surface rough (all as per the manufacturer's specification) to receive the top finish coat 3)Applying top coat plaster of minimum 8mm thickness with similar ready mix polymer cement mortar plaster in line & level making surface rough to receive further textured finishing layer (will be paid in separate items) Doing regular curing for minimum 7 days. 4) (The rate for scaffolding will be paid separate under respective item)	900.00	sqm
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 competants authorities for disposing off on to their approved location. The debris are to be removed from site within 72 hours from stacking (30% voids will be deducted from actul stack measurement/ truck measurement for debris, loose stones, boulders etc.).	30.00	cum
17	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, covering the floor, windows, instruments during priming coat as required etc. complete.	6250.00	sqm
18	Providing and applying 2 nd coat seal cement primer over the prepared surface of walls / ceiling, including stepladder / scaffolding and cleaning the surface as directed.	6250.00	sqm
19	Providing and applying two coats of 1st quality oil bound distemper of approved brand, colour and shade, on old/new prepared surfaces as per manufacturers specification, & necessary repairs/ leveling to surfaces with putty again if required, with the help of step ladder etc all complete as directed.	2060.00	sqm
20	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, preparing the surface smooth by applying readymade Acrylic wall putty again if required, with the help of step ladder etc all complete as directed.	4190.00	sqm

21	Providing and fixing 6mm plywood to cover the window openings which will be reused wherever required to prevent the debris from falling on windows during progress of work and keeping the same during taping loose/debonded plaster & removal of external plaster removing the same after the work is over etc. Complete (The elevational area of the covered portion shall be measured for payment.)	1310.00	sqm
22	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 upto 16 story height, stone work surface as per manufacturer's specification including cleaning the surface thoroughly with coir brush, watering, the surface etc. complete and as directed by this office. (only plain area will be measured)	21500.00	sqm
23	Providing erecting and dismantling (after completion of work) single bamboo scaffold with verticals @ 1.2 to 1.8m from outer face of bldg as directed by Engineer In Charge(for payment the scaffold height will be measured elevational area.	5500.00	sqm
24	Providing and applying acrylic synthetic plaster (Dura plaster) of IITB approved make manufacturer over existing cement plaster including removing existing paint/synthetic plaster to receive the acrylic synthetic plaster as per manufacturer specification at any floor upto 16 story including all the necessary tools & plants etc, complete all as directed by Engineer in charge.	900.00	sqm

- 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 documents a penalty of Rs. 5,000/- (per case) will be recovered from the bills of the particular work, in case any safety violations are noticed.
- 4) Taxes as per government notification time to time.
- 5) 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.
- 6) 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.

A. K. Kulkarni
16/02/2023

Superintending Engineer (I/C)

15/2
15/2/23