



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
ESTATE OFFICE
NOTICE INVITING TENDER

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

Sr. No.	Name of Work	Estimated Cost (In Rs.)	EMD (Rs.)	Mode of Tender	Duration of contract
1	Development of Biodiversity lab at Soneri Baug, IIT Bombay. EO/A/INFRA/WKS-101/26-27	Rs 2,74,13,101/- Incl.18% GST	Rs.5,48,000/-	Percentage rate offline mode (QCBS)	06 Months

All tender documents, forms, etc are available online on <https://www.iitb.ac.in/resources/vendors-tenders> and Central Public Procurement Portal (CPPP) e-tender publishing portal of the Government of India.

Date of submission of technical and financial bids, in 2 separate envelopes is on 19.08.2026 from 09:15 a.m to 11:15 a.m. in the tender box at 1st floor, Conference room, Estate Office. **The date of opening the technical Bid will be 19.08.2026 at 11:30 a.m.** The date of opening the financial bid shall be intimated later to the eligible tenderer.

Entire Bid Document shall be submitted in total three (3) envelopes suitably superscribed as below:

A) Envelope I (EMD)

1) EMD in the form of DD/FDR/BG of Rs.5,48,000/-, drawn in favor of "The Registrar, IIT Bombay" mandatory to all the vendors.

B) Envelope II (TECHNICAL DOCUMENTS)

All contractors/agencies should submit technical bid with the following documents, 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 each costing not less than the amount equal to 40% of estimated cost put to tender,

OR

Two similar completed works each 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.

Note: Similar works means construction of masonry work, RCC Work & General Civil Work.

2) 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, otherwise tender will be rejected.

- 3) P. F. registration certificate.
- 4) P. F. challans of last 12 months.
- 5) ESIC registration certificate and copies of ESIC challans of the last 12 months (as per the labourers engaged during a particular month). Contractor name should be mentioned in the challans else the agency will be disqualified. OR Contractors' all risks insurance (CAR policy)
- 6) PAN card.
- 7) GST registration certificate.
- 8) Income Tax Return for **assessment year** i.e. of **2023-24 ,2024-25 & 2025-26.**
- 9) List of Equipment's, Machinery, Tools.
- 10) List of Technical Staff with copies of their Degree/diploma certificate.
- 11) Labour Licence Obtained during last 03 years.
- 12) Power of Attorney, if any.
- 13) 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.
- 14) **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. If there is no enquiry then undertaking has to be submitted in the format given.
- 15) Bank Solvency certificate 40% of estimated amount issued within one year from any Nationalized / Schedule Bank from the date of publishing of Tender.
- 16) 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.
- 17) Labour Licence obtained during last 03 years

Quality/safety/schedule/performance evaluation of completed / ongoing works shall be conducted by an Evaluation committee constituted by the A Dean (EMR), IIT Bombay. Evaluation will be based on the following parameters:

1. *Quality/safety performance based on one similar **completed** work - 20 marks*
2. *Quality/safety performance based on one similar **ongoing work** - 20 marks*
3. *Schedule performance of the current and past completed works in last 5 work - 20 marks*
4. *Total manpower working in company and the manpower to be deployed at site along with technical and non-technical Staff, Engineers, etc. - 20 marks*
5. *Tools, equipment, plants resources, etc. - 20 marks*

TOTAL MARKS = 100

The bidder shall submit documents/report detailing each of the above 5 items signed by the authorized signatory and should be part of the bid. Also submit the CVs of the manpower proposed to be deployed.

To qualify, the applicant must secure at least 60% (Sixty percent) marks in each one of the above criteria and 75% (Sixty percent) marks in aggregate.

C) Envelope III (FINANCIAL DOCUMENTS)

1) Financial Bid **duly signed and stamped** by the Bidder

Financial Bid Evaluation on Quality and Cost Based Selection (QCBS)

The L1 shall be decided on the highest composite score (Technical+Financial) on 30:70 (Technical:financial) . The date of opening of the price bid shall be intimated to the bidders only those who are technically qualified.

The Financial bid of those bidders, who qualify in the technical bid evaluation, will only be opened. The financial scores would be normalized on a scale of 100. The total score, both technical and financial, shall be obtained by weighing the quality and cost scores and adding them up. On the basis of the combined weighted score for quality and cost, the contractor shall be ranked in terms of the total score obtained. The proposal obtaining the highest total combined score in the evaluation of quality and cost will be ranked as H-1 followed by the proposals securing lesser marks as H-2, H-3, etc. The proposal securing the highest combined marks shall be recommended for the award of contract. **In the event two or more bids have the same score in the final ranking, the bid with highest technical score will be H-1.**

An Evaluated Bid Score (B) will be calculated for each responsive Bid using the following formula, which permits a comprehensive assessment of the Bid price and the technical merits of each Bid:

$$B = \frac{F_{Low}}{F} W + \frac{T}{T_{High}} (1 - W) \quad (1)$$

Where, F is the Evaluated Bid price, F_{Low} is the lowest of all Evaluated Bid Prices among responsive Bids, T is the total Technical Score awarded to the Bid, T_{High} is the Technical Score achieved by the Bid that was scored best among all responsive Bids, and W is the Weightage for the Price as specified The Bid with the best-evaluated Bid score (B) among responsive Bids shall be the Most Advantageous Bid.

Example: The following procedure shall be followed. In a particular case of selection of contractor, it was decided to have minimum qualifying marks for technical qualifications as 75 (Seventy Five) and the weightage of technical bids and financial bids was kept as 30:70 (Thirty: Seventy). In response to the Tender, three proposals, A, B and C were received. The technical evaluation committee awarded the following marks as under: A: 75 Marks, B: 80 Marks, and **C: 90 Marks.**

The minimum qualifying marks were 75 (Seventy Five) thus, all the three contractors were found technically suitable. Using the formula T/T_{high} , the following technical points are awarded by the evaluation committee: A: $75/90 = 83$ points, B: $80/90 = 89$ points, and C: $90/90 = 100$ points

The financial proposals of each qualified contractors were opened after notifying the date and time of bid opening. The price evaluation committee examined the financial proposals and evaluated the quoted prices as under: A: Rs. 120, **B: Rs. 100**, and C: Rs. 110.

Using the formula F_{Low}/F , the committee gave them the following points for financial proposals: A: $100/120 = 83$ points, B: $100/100 = 100$ points, and C: $100/110 = 91$ points.

In the combined evaluation, thereafter, the evaluation committee calculated the combined technical and financial score as under:

Proposal A: $83*0.30 + 83*0.70 = 83$ points, H-3

Proposal B: $89*0.30 + 100*0.70 = 96.70$ points, **H-1**

Proposal C: $100*0.30 + 91*0.70 = 93.70$ points H-2

Proposal B at the evaluated cost of Rs. 100 (Rs. One hundred) was, therefore declared as the **winner** and recommended for negotiations/approval, to the competent authority.

Terms & Conditions :

The documents listed below from Sr. No. 1 to 17 is mandatory for qualification in the technical bid evaluation process.

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.

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

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.

The rates is prepared from CPWD DSR 2023 & Fair Market Rate and rate Analysis.

Contractors are strictly prohibited from engaging in any correspondence related to tender documents with anyone other than the Tender Section. Any violation will result in disqualification from all future tenders.

IIT Bombay reserve its rights to reject any or all tenders without assigning any reason and without any reference. 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. Chhapra
04/08/2016
Superintending Engineer (I/C)
Cn 318 *On* 128 318/26

DECLARATION

- (a) We are not involved in any litigation that may have an impact of affecting or compromising the works as required under this tender.
- (b) We are not black-listed by any Central/State Government/Public Sector Undertaking in India.
- (c) We hereby confirm and declare that M/s [Company Name] does not have any Litigation / Arbitration History with any Government department, Public Sector Undertaking (PSU), or Private Sector agency for works executed during the **last 5 years.**
- (d) I/we undertake that the documents submitted are genuine/authentic and nothing material has been concealed therefrom and that I/we are not debarred by any Government organization and are competent to have the contract. I/we understand that the contract is liable to be cancelled, if found to be having obtained, through fraudulent means/concealment of information.

(Signature of Authorized Signatory)

Name of the bidder: _____

Complete Address: _____

Address (Works), if _____

any: Contact Nos. _____

TO BE UPLOADED ON SRM TENDERING PORTAL WITH FINANCIAL BID

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

File No. : EO/A/INFRA/WKS-101/26-27

Name of Work : Development of Biodiversity lab at Soneri Baug, IIT B Campus.

Name of the Contractor -----

Sr. No.	Name of Client	Name of Works	2023-24 (In Lakhs)	2024-2025 (In Lakhs)	2025-2026 (In Lakhs)	2026-2027 (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.

Signature
04/08/2026

Superintending Engineer (I/C)

Signature
27/7

Signature of Contractor
Name & Address in full

WORKS UNDERTAKING

EO/A/INFRA/WKS-101/26-27

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

Sub : Development of Biodiversity lab at Soneri Baug, IIT B Campus.

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.

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

STANDARD OPERATING PROTOCOL
ENVIRONMENTAL SAFEGUARDS & ECO-SENSITIVE AREA PROTECTION
(MANDATORY CONTRACTUAL CONDITIONS)

This Annexure shall form an integral and binding part of the Tender Document and Contract Agreement executed between IIT Bombay (hereinafter referred to as the "Institute") and the Contractor.

The provisions contained herein are mandatory. Non-compliance shall constitute breach of contract and shall attract penalties, including but not limited to suspension of work, financial recovery, blacklisting, and termination of contract.

1. Purpose and Scope

This Annexure establishes mandatory environmental protection measures applicable to all works executed within or in proximity to trees, vegetation, water bodies, natural habitats, eco-sensitive zones, and biodiversity-rich areas within the campus.

These provisions apply to all contractors, subcontractors, site engineers, supervisors, labourers, and associated personnel.

2. Statutory Compliance

The Contractor shall strictly comply with:

- The Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975.
- Applicable BMC Tree Authority Rules.
- All relevant environmental, forest, and biodiversity law(s).
- Institutional environmental policies and directions as directed by IIT B construction management team and other stakeholder.

Any violation shall attract action under applicable law in addition to contractual penalties.

3. Tree Inventory and Responsibility

- Prior to commencement of work, a tree and vegetation inventory of the site shall be recorded, with trees to be retained tagged and marked
- All trees, saplings, shrubs, climbers, and natural regeneration identified for retention shall be protected and ensured that they are not harmed in any way during the process of construction
- Full responsibility for protection of retained trees/ areas rests solely with the Contractor and his team
- Trees marked for retention shall remain healthy and undamaged at all stages of the contract.

4. Tree Protection Measures

- The Contractor shall install physical protective barriers (fencing / tree guards) at a minimum radius of 1 meter from the tree trunk or as directed by the Horticulture.
- Mandatory Tree Protection Boards / Signage shall be installed near retained trees and special trees.

The following are strictly prohibited:

- Cutting, lopping, pruning, bark injury to any tree.
- Root damage, root exposure, or soil compaction caused during construction around/near a tree.
- Nailing, tying wires, fixing banners, boards, lighting fixtures on trees.
- Storing or dumping any materials, debris, fuel, cement, chemicals, plastics within the protection zone, all materials should be duly stored in the storage unit/facility arranged on campus.
- No tree should be used as a prop for any work, climbing on trees, using them as scaffolding props is prohibited.
- No tree shall be cut, transplanted, removed, or altered without prior written approval from the Institute's Horticulture Section.
- Any bent, inclined, uprooted, or structurally weakened tree shall be reported to the Biodiversity Lab authorities immediately for stabilization action.
- Pruning or trimming, if required, shall be undertaken only by the Horticulture Section. Contractors and other workers are strictly prohibited from carrying out such operations.

5. Excavation and Root Zone Protection

- Excavation near trees (touching tree trunks and roots) is strictly prohibited.
- If unavoidable due to technical necessity:
 - Excavation shall be minimum 1 meters away from the root zone.
 - Prior written permission must be obtained from the Biodiversity Lab authorities before commencing work near trees.
 - Work shall begin only after inspection and formal clearance from the Biodiversity Lab authorities.
 - Excavation shall be manual using hand tools only, use of mechanical excavator near tree zones is prohibited.
- Heavy machinery shall not operate within the tree protection zone.
- Cutting, severing, damaging, or exposing roots is strictly prohibited under all circumstances.
- Emergency excavation shall require prior inspection and written clearance.

6. Soil, Habitat and Biodiversity Protection

- Top soil removal, mixing of debris or cement, compaction, or dumping in green areas is prohibited.

- Utmost care should be taken to not disturb the natural microhabitats including leaf litter, fallen logs, termite mounds, nests, burrows, and undergrowth.
- In case of wildlife sighting:
 - Work shall be stopped immediately and workers should immediately leave the site.
 - Horticulture Section / Biodiversity Lab shall be informed.
 - No attempt shall be made to harm or relocate fauna.
 - No hunting.
 - No trapping of any species.
 - No feeding : Feeding any wild animal is strictly prohibited.
 - Not to damage nesting sites of any fauna. If any nesting observed which needs intervention permission for the same should be taken and it should be brought to the authority's attention.
 - Heavy machinery creating loud noise and vibrations should be avoided.
 - No work shall be done during night which can cause light and noise pollution disturbing wildlife movement and activities.

7. Water Bodies and Drainage

- No work shall be undertaken within buffer zones (as demarcated by the institute) of lakes, ponds, streams, wetlands, or natural drains without written approval.
- Discharge of slurry, oil, chemicals, wastewater, or pollutants, garbage into soil or water bodies is strictly prohibited.
- Natural drainage lines shall not be blocked, diverted, or concretized.

8. Plantation and Landscaping Restrictions

- No plantation of any kind/nature shall be carried out by the Contractor without written approval from the authorities.
- All plantation activities shall be undertaken only by the Biodiversity Lab.
- Unauthorized planting, introduction of ornamental or invasive species, or compensatory plantation without direction is strictly prohibited.
- No burning or any chemical application to clear the mentioned ground cover species or patches of invasive plants.

9. Prior Intimation and Approval

- The Contractor shall notify the Biodiversity Lab in writing prior to:
 - Commencement of work near trees (tagged trees and special trees)
 - Excavation in green areas or areas with ground cover

- Any activity potentially affecting vegetation, nesting sites of wildlife or any wildlife habitat in any way
- Work shall commence only after written clearance from the Biodiversity Lab authorities.
- Any tree damage, branch fall, injury to wildlife or emergency incident shall be reported immediately.
- Any action taken which potentially causes harm to the biodiversity, without approval shall be deemed unauthorized.

10. Waste Management

- Burning of any kind of waste is strictly prohibited. (eg, plastic, construction waste, leaves/wood).
- Construction Debris shall not be dumped in green areas, drains, forest patches, low-lying areas, or any other part of the campus.
- No littering with food packages, tobacco wrappers, plastic/glass bottles, and any other non - biodegradable items. All the waste should be collected and deposited in designated waste collection bins.
- Waste should be segregated and duly removed daily from the Biodiversity lab area.

11. Penalty and Financial Liability

Any damage to trees, vegetation, habitats, or water bodies due to negligence or violation shall attract:

- Monetary penalties.
- Recovery of ecological restoration costs.
- Compensatory plantation costs.
- Suspension of work.
- Blacklisting.
- Termination of contract.

Expenses for compensatory plantation against unnotified tree felling or damage shall be borne entirely by the Contractor.

The Institute reserves the right to assess ecological damage and recover full restoration cost.

12. Right to Stop Work

The Institute reserves the absolute right to immediately stop work in case of violation of this Annexure without prejudice to other contractual remedies.

INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
ESTATE OFFICE

EO/A/INFRA/WKS-10/26-27

Name of Work : Development of Biodiversity lab at Soneri Baug, IIT Bombay.

S.N O.	Schedule/Description of Work	Qty.	UNIT	Unit Rate	AMOUNT
EARTHWORKS					
1	Excavation for foundation, trenches, Roadway etc. in earth, soil of all types, sand, gravel, soft and hard murum, soft rock etc. including removing the excavated materials up to a distance of 50 meters beyond the site of work and lift up to 1.50 meters, stacking and spreading as directed preparing the bed for the foundation and necessary dewatering using pump, backfilling, ramming, watering, including shoring and strutting, etc. complete. Note-Includes surface dressing and excavation	1595.27	Cu.M	246.42	3,93,105.82
2	Consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earthwith lead upto 50 metres.	57.60	Sq.M	10.00	576.00
3	Disposing murum, soil etc. collected and stacked as directed including loading in trucks, transporting out of IIT Bombay Campus upto a lead of 30km including royalty & obtaining approval from Government/ private land owners for disposing off on to their approved location. The contractor will be solely responsible for disposing murum, soil etc out of campus from the site within 72 hours from stacking (30% voids will be deducted in case of truck measurement).	158.83	Cu.M	798.00	1,26,747.94
I Total					5,20,429.76
RCC WORKS					
4	Providing and casting in position ready mixed or machine batched M-20 (1:1.5:3) grade cement concrete (Min cement content 270Kg/Cum) for foundation, coping and bedding etc. as per approved excluding shuttering, including compaction, finishing, curing etc. including cost of admixtures in recommended proportions as per relevant IS code to accelerate/ retard setting of concrete,improve workability without impairing strength and durability as per direction of the Engineer-in-charge including casting cubes and testing.	167.77	Cu.M	8,721.37	14,63,195.69

5	Providing and laying in position ready-mixed or machine batched or machine mixed design mix M-25 (1:1:2) grade cement concrete (with minimum cement content 330Kg/Cum) for all work up to plinth 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 relevant IS code 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.	111.00	Cu.M	8,997.94	9,98,771.05
6	Centering and shuttering including strutting, propping etc. and removal of form for all heights :Foundations, footings, bases of columns, coping, raft, beam, slab etc.	674.60	Sq.M	371.24	2,50,438.35
7	Providing and fixing in position tor steel bar having grade Fe-500D 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.	14204.18	Kg	102.10	14,50,235.93
8	Providing and fixing precast RCC slab in small lintels not exceeding 1.5 m clear span up to floor five level, including the cost of required centering, shuttering but excluding the cost of reinforcement with M-25 grade concrete ,placing the precast slab in proper position etc. complete as directed.	9.63	Cu.M	14,100.00	1,35,783.00
9	Providing and laying damp-proof course 50 mm thick with cement concrete 1 :2:4 (1 cement: 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources).	188.00	Sq.M	469.32	88,231.33
10	Providing lowering, and laying NP2 class R.C.C. spun pipes conforming to IS 458 of 600 mm dia (n.b) with necessary collars, laid to correct grade, alignment and levels at all depth including cutting to required length, providing and applying a coat of black bituminous paint to inside surface, water tight jointing with hemp yarn and cement mortar 1:1 caulking the joints, finishing, curing, testing the joints hydraulically etc. complete as directed.	102.40	Rmt	2,123.78	2,17,474.80
II Total					46,04,130.15
STONE WORK					
11	Laying dry trap / rubble stone soling of required thickness including hand packing and compacting etc. complete using IITB stone including trasporting stone from various locations from IIT campus up to working site and cutting the stone, laying and compaction in required size as per requirement.	37.75	Cu.M	975.00	36,809.52

12	Providing uncoursed rubble masonry upto plinth level (using IITB stones) of trap stones in cement mortar 1:6 (Cement:sand/grit) including racking out joints when plastering is to be done, striking out joints, watering, including providing header stones @ 1 header per sqm. to the full thickness of wall, providing weep holes, with 100mm dia pvc pipes including collecting and transporting stone stacked in IITB Campus upto working site, cutting stones/ boulders in pieces by mechanical or manual means as per requirement etc. including transportation of stones upto a distance of 50 m etc. complete as directed. (Payment of PVC pipe, cutting of stone and transportation beyond a distance of 50 m will be paid in respective items)	7.39	Cu.M	4,666.00	34,491.07
13	Providing coursed rubble masonry of trap stones in cement mortar 1:6 (Cement:sand/grit) including racking out joints when plastering is to be done, striking out joints, watering and pointing with cement mortar 1:3 on outside exposed faces, including providing M-20 grade concrete block header @ 1 header per sqm. to the full thickness of wall, providing weep holes, with 100mm dia P.V.C pipes etc. all complete as directed.	681.62	Cu.M	8,342.17	56,86,181.92
14	Providing and fixing black basalt stone of 4" thick of required size as per site requirement in cement mortar 1 : 4 (1 cement : 4 coarse sand) including pointing with cement mortar 1 : 2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : One face dressed -Black Basalt Stone all complete as directed by Engineer-in-charge.	839.90	Sq.M	6,007.00	50,45,249.27
15	Providing Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) : Flush/ Ruled pointing in proper line and level, preparing the joints for receiving the pointing all complete as directed.	191.86	Sq.M	364.85	70,000.06
16	Providing and laying flamed finish Granite coping in required design with rounded edges as per architectural drawings, with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1 : 4 (1 cement: 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing .	158.92	Sq.M	3,016.78	4,79,426.47
III Total					1,13,52,158.30
BRICK WORK					
17	Providing second class burnt brick masonry with IS approved quality well burnt bricks having crushing strength of 35 kg. / square cm. and maximum water absorption of 20% in cement mortar 1:6 in superstructure including striking joints, racking out joints, watering etc. complete as directed.	20.24	Cu.M	8,620.40	1,74,476.94
18	Providing cement plaster 15mm thick in single coats in cement mortar 1:4 without neeru finish to concrete or brick surfaces in all positions including curing complete as directed.	452.00	Sq.M	389.79	1,76,187.18

19	Providing and applying one coat of acrylic primer and two coats of exterior acrylic paint of approved colour & shade of IITB approved manufacturer i.e. Berger, Asian, Killick Nixon, Goodlass, Nerolac, ICI, Decocem and as per manufacturer's specification on old or new plastered surface over concrete / brickwork, stonework as per manufacturer's specification 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.	120.00	Sq.M	152.04	18,244.38
IV Total					3,68,908.50
STEEL WORK					
20	Providing and fabricating structural steel works in rolled sections like joists, channels, angles, tees, hollow sections and any other required sections etc. as per detailed designs & drawings for supports, rafters, purlins, railing, staircase and any other work including fixing in position with connecting plates, braces and welding, riveting, bolting as necessary including one coat of redoxide priming coat etc. complete as directed.	13408.53	Kg	111.09	14,89,589.67
21	Providing and applying two coats of synthetic enamel paint of IITB approved brand and shade to wood and steel work including preparing the surface all complete as directed.	554.83	Sqm	97.32	53,995.22
22	Providing and fixing bolts including nuts and washers of any size and type as per manufacturers specification all complete as directed by Engineer-in-charge. MAKE- Hilti, Royal Anchors, Fischer	1052.00	Kg	150.85	1,58,697.50
V Total					17,02,282.39
REPAIR AND DEMOLITION					
23	Raking out joints in lime or cement mortar and preparing the surface for re-pointing or replastering, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge	49.60	Sq.M	68.59	3,401.91
24	Dismantling plain cement concrete work by mechanical or manual means including breaking concrete by chiselling, wedging etc., and stacking the debris upto a distance of 50 metres as directed etc. complete. Nominal concrete 1:4:8 or leaner mix (including equivalent design mix)	36.07	Cu.M	1,423.42	51,343.65
25	Pulling down stone masonry in cement mortar with plaster / pointing without dust nuisance including sorting out the stone chips and debris separately and stacking upto distance of 50 metres or spreading the debris as directed.	3.35	Cu.M	2,327.83	7,793.59
26	Dismantling burnt brick masonry (in cement mortar) with plaster including sorting out serviceable bricks and lowering down debris, stacking the same and debris separately upto a distance of 50 meters as directed etc. complete..	12.26	Cu.M	1,950.35	23,907.34
VI Total					86,446.49

WOOD WORK					
27	Providing and applying (one or more coats) with black Japan paint of approved brand and manufacture to give an even shade.	5.40	Sq.M	90.69	489.74
VI Total					489.74
WORKS INSIDE WATCHMAN CABIN					
28	Providing and fixing white vitreous china pedestal type water closet (European type) with ISI marked white solid plastic seat and lid, 10 liter low level white P.V.C. flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required etc. complete as directed.	2.00	Each	6,168.13	12,336.26
29	Providing and fixing 1/2" dia two way taps of Jaquar (continental series) fitting consealed or open including necessary fittings and fixtures etc. complete as directed.	2.00	Each	1,231.00	2,462.00
30	Providing and fixing health faucet (jet spray) with flexible tube with chrome finish and wall hook of approved Jaquar make including necessary socket/ union etc. complete as directed.	2.00	Each	1,976.00	3,952.00
31	Providing and fixing 1/2" dia angular stop cocks of Jaquar (continental series) fittings consealed or open including necessary fittings and fixtures etc. complete as directed.	2.00	Each	943.00	1,886.00
32	Providing and fixing white glazed earthenware wash hand basin of size 500 x 400 or 450 x 300 of parryware make including waste coupling, PVC pipe upto trap, testing etc. complete.	2.00	Each	3,273.00	6,546.00
33	Providing and laying in trenches 25 mm dia nominal bore I.S.I. approved 'C' class galvanized iron pipe having weight as per IS specification with screwed sockets, joints, and necessary galvanised iron fittings such as backnuts, elbows, bends, tees, reducers, enlargers, plugs, etc. including providing and applying two coats of oil paint with one coat of primer including trenching and refilling etc. complete or as directed.	50.00	Rmt	442.81	22,140.43
34	Providing and laying in trenches 32 mm dia nominal bore I.S.I. approved 'C' class galvanized iron pipe having weight as per IS specification with screwed sockets, joints, and necessary galvanised iron fittings such as backnuts, elbows, bends, tees, reducers, enlargers, plugs, etc. including providing and applying two coats of oil paint with one coat of primer including trenching and refilling etc. complete or as directed.	10.00	Rmt	511.49	5,114.90
35	Providing and fixing 15 mm dia nominal bore 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 jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.	5.00	Rmt	271.51	1,357.54

36	Providing and fixing 20 mm dia nominal bore 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 jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.	5.00	Rmt	317.14	1,585.69
37	Providing and fixing 10cm PVC nahani trap with removable S.S grating with S.S rim, cast iron plug bend and piece of cast iron pipe upto plug bend etc. complete.	4.00	Each	823.00	3,292.00
38	Providing and fixing stainless steel cockroach trap of approved pattern, quality and make with all required fittings and fixtures etc. completed as directed.	2.00	Each	437.00	874.00
39	Providing and laying 75mm dia. P.V.C. pipes conforming to I.S. in trenches including proper slope, filling the joints using rubber gasket with solvent cement etc. completed as directed.	10.00	Rmt	230.00	2,300.00
40	Providing and laying 100mm dia. P.V.C. pipes conforming to I.S. in trenches including proper slope, filling the joints using rubber gasket with solvent cement etc. completed as directed.	5.00	Rmt	254.00	1,270.00
41	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-15 (1:2:4) 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.	4.00	Each	2,588.41	10,353.63
42	Providing and constructing brick masonry inspection chamber 900mm x 450 mm and 45cm to 90 cm in depth including cement concrete in M-20 foundation, PCC 10 cm thick channels, brick masonry, plastering on inside and outside as required in cement mortar 1:6, providing and fixing FRP cover with frame, heavy duty, manufactured by KK Industries etc all complete as directed bt Engineer In charge.	6.00	Each	18,179.00	1,09,074.00
43	Providing and fixing 100mm(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 welding 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.	5.00	Rmt	1,031.00	5,155.00
44	Making necessary connection / disconnection to existing chamber / branch line / tank or as specified etc. with making necessary hole / cutting etc. & remaking the same etc.all competed as directed by Engineer In-charge.	2.00	Nos	955.00	1,910.00

45	Providing and fixing 20mm dia. nominal bore gun metal gate valve with C.I. wheel of approved quality (screwed end) with required fittings and fixtures etc. completed as directed.	2.00	Each	511.16	1,022.32
46	Providing and fixing 25mm dia. nominal bore gun metal gate valve with C.I. wheel of approved quality (screwed end) with required fittings and fixtures etc. completed as directed.	2.00	Each	589.21	1,178.42
47	Providing and fixing 32mm dia. nominal bore gun metal gate valve with C.I. wheel of approved quality (screwed end) with required fittings and fixtures etc. completed as directed.	2.00	Each	652.83	1,305.66
48	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.	2.00	Each	979.62	1,959.24
49	Providing & fixing ISI approve long swan neck pillar tap jaquar make including necessary fixtures etc. complete as directed	2.00	Each	1,875.00	3,750.00
50	Providing and fixing not less than 16-18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut Granite (area of slab above 0.50 m2) for kitchen platforms, vanity counters, window sills, facias, flooring and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), 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.	32.00	Sq.M	4,862.42	1,55,597.51
VIII TOTAL					3,56,422.59
MARKET RATE ITEMS					
51	Laying random rubble stone pitching for pathways in mud mortar including dressing and compaction of subgrade to a semi-levelled surface. Stones of upto 250-300 mm thickness, with rough bottom and dressed top to achieve a natural random rubble finish, shall be laid and embedded in mud mortar. Stones to be arranged in a random pattern with a spacing of 25-40 mm joints, filled with soil/mud and compacted. Surface to be aligned, stable, and sloped for drainage, complete as per drawings and approval of Engineer In-Charge. Note: Stones for this pathway will be available on IITB, the cost for transporting from one part of IIT B Campus to the execution site and cutting the stones in required shape and finish shall be paid separately.	460.80	Sq.M	616.00	2,83,852.80

52	Laying of stone for a natural stepping stone pathway comprising minimum 4"thick slabs of approved size-(min 2' to 4' wide) and shape, placed over prepared earthen subgrade, including preparing the earthen subgrade by dressing, ramming, and levelling of soil to receive stones. Stones to have naturally split edges and semi-dressed top surface to achieve a rustic appearance, and shall be laid in a stepping pattern as per design drawing and existing terrain/ pathway on site. Each stone to be firmly bedded and slightly embedded into the compacted earth to ensure stability. Gaps between stones to be maintained to minimum as per drawings and as per site condition and filled with soil, complete as directed by the Engineer-in-charge. Note: Stones for this pathway will be available on IITB, the cost for transporting from one part of IIT B Campus to the execution site and cutting the stones in required shape and finish shall be paid separately.	306.50	Sq.M	478.00	1,46,507.00
53	Fixing of stones at site custom-designed stone planters/seatings in boulders/ using stone available on site(black stone) including structural assembly of components using heavy-duty, anti-corrosive treated (galvanized/grade 304 stainless steel) nuts, bolts, and threaded anchors.The process includes drilling for hardware, precision alignment, leveling, and sealing of joints to ensure structural stability and aesthetic uniformity. Complete in all respects including supply of all materials, consumables, tools, and labor, as per the direction of the Engineer-in-Charge.	50.88	Nos	2,939.00	1,49,536.32

54	Providing and fixing in position high-class, top-quality, kiln-seasoned Teak wood sections (Make:Teak wood/Burma Teak) as per architectural specifications, followed by crafting of rounded nosing or moulded edges to the fixed wooden sections for steps or railing tops. The timber utilized shall be of premium quality, uniform in grain, and completely free from sapwood, loose knots, decay, and fungal growth. The first phase of the work includes fabricating wrought, framed, and joined components finished to a smooth surface with high-precision tenon and mortise joints or specified joinery, which shall be securely fixed in position using approved mild steel holdfasts, heavy-duty dash fasteners, or stainless steel nut-bolts of the required diameter and length as per approved structural drawings, ensuring all joints are glued with high-strength waterproof wood adhesive (Make: Fevicol SH/Marine Grade) in addition to the mechanical joinery. Once the woodwork is firmly secured in position, the second phase shall be carried out to provide a continuous rounded nosing or moulded edge to the wooden sections for steps or railing tops, which includes precise shaping, routing, and smooth finishing of the exposed step edges to the required radius and profile using appropriate carpentry tools to ensure a uniform curvature, clean edges, and a completely splinter-free finish. All surfaces to be finely sanded and prepared to receive polish/finish. The nosing shall be continuous, accurately aligned, and true to profile, complete as per drawings and instructions of the Architect. Testing of sample to be done as per IS 4895:1985 & IS 1708 as per direction of Engineer-in-charge. MAKE- Teak wood - Burma teak, Fevicol SH/Marine Grade	5.83	Cu.M	3,62,127.00	21,12,141.94
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55	Finishing of woodwork- Providing and applying comprehensive chemical anti-termite treatment followed by a polished finish with boiled linseed oil on exposed woodwork of any shape or size, including doors, windows, frames, plywood, or furniture, executed in a strict chronological sequence. The work shall commence with thorough surface preparation by cleaning all faces of the timber to remove dust, oil, or grease, followed by intensive sanding with appropriate grades of abrasive paper to eliminate surface irregularities. Prior to applying any finishing coats, the bare wood shall first undergo anti-termite treatment by applying an approved chemical preservative (Make: Fevicol Termini-Seal, Termidor, or equivalent Chlorpyrifos/Imidacloprid-based solution) at the manufacturer-recommended concentration in two to three coats using a brush or airless spray, ensuring deep penetration into all joints, back faces, ends, and edges in strict accordance with IS: 401 (Code of practice for preservation of timber). Only after this chemical protective barrier has completely dried and cured shall the polishing phase begin, starting with the application of one coat of approved wood filler matching the timber shade to seal the grains effectively. Subsequently, the treated surface shall be finished by applying two or more coats of boiled linseed oil polish using a clean, lint-free cotton cloth or soft brush, including meticulous rubbing and buffing between each coat to achieve a natural, uniform, matte/satin finish, all complete including the cost of all materials, chemical solutions, labor, tools, and scaffolding as per the manufacturer's specifications and the directions of the Engineer-in-Charge.	584.64	Sq.M	791.00	4,62,450.24
56	Providing and fixing in position Eucalyptus poles of specified diameter (e.g., 80-100mm) and upto 10-12 feet in height for canopy construction as per the approved architectural design. Including the cost of all labor, transportation, scaffolding, hardware. Constructing joints using heavy-duty, hot-dip galvanized mild steel (MS) bolts, nuts, washers, and custom-fabricated steel brackets or plates as per structural design. All bolt heads/nuts shall be countersunk or protected to ensure a clean finish. Poles shall be well-seasoned to a moisture content not exceeding 15% and pressure-impregnated with approved non-leachable chemical preservatives (e.g., Chromated Copper Arsenate or Boric-Borax) to ensure resistance against termites, fungi, and weathering. Testing of sample to be done as per IS 4895:1985 & IS 1708 as per direction of Engineer-in-charge.	520.00	Nos	245.00	1,27,400.00
57	Cutting stones/ boulders in required size, thickness, finish & shape as per design and drawing provided by Architect including precise machine cutting, intricate carving to the required profile, rough-hewing, shaping, and surface finishing (honed/polished/hammer-dressed) as per approved design and drawings as per architectural drawings all complete as directed by Engineer-in-charge.	168.89	Cu.M	1,294.00	2,18,543.66

58	Transporting dry trap / rubble stone of any size and type from various locations of IITB Campus upto working site.(20% voids will be deducted from actual measurement of truck).	168.89	Cu.M	269.00	45,431.41
59	Providing and fixing G. I. chain link fencing 50mm x 50mm x 8 guage thick and of desired height for fencing including welding the chain link fencing with G.I. pipes or M.S. angle frames / flats, applying one coat of metal primer and two coats of synthetic enamel paint of approved colour / brand etc. complete.	940.80	Sq.m	738.00	6,94,310.40
IX Total					42,40,173.77
Amount (I+II+III+IV+V+VI+VII+VIII+IX)					2,32,31,442.00
(In words,%) Above					
(In words,%) Below					
Amount Rs.					
CGST 9%					
SGST 9%					
Net Amount Rs.					
Say Rs.					

Amount in Words

*Tender will be rejected if white ink applied for correction in the schedule of work.

Signature & Stamp of Contractor