



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
ESTATE OFFICE
NOTICE INVITING TENDER

Telephone No. 022 2576-4995,022-2159-6922 email id drestate@iitb.ac.in

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	Annual maintenance contract for plumbing, carpentry and miscellaneous maintenance work in Hostel No. 12, 13 & 14 and Hostel area for 01 year period. EO/A/HOSTEL/WKS-20/26-27	Rs 97,62,760/- Incl.18% GST	Rs.1,95,000/-	Percentage rate offline mode	12 months

Intending bidders need to register themselves on the IIT Bombay portal i.e. <https://portal.iitb.ac.in/vrp/index.jsp> to get User ID and Password. Please visit https://portal.iitb.ac.in/vrp/vrp_srm_docs.jsp for configuration process and user manual. For queries regarding vendor registration, and configuration process please contact on 022 - 2159 3001 (MDM Help-desk).

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 15.05.2026 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 15.05.2026 at 11:30 a.m and the date of opening of financial bid is on 22.05.2026 (Tentative)**

Interested contractors/agencies are requested to submit Technical bid and Financial bid in the Tender Box of the Estate Office. 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 costing not less than the amount equal to **40%** of estimated cost put to tender,

OR

Two similar completed works, costing not less than the amount equal to **50%** of the estimated cost put to tender

Or

One similar completed work of aggregate cost not less than the amount equal to **80%** of the estimated cost.

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) 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.

Shri. Vikram
29/5

- 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) Submit DD/FDR/BG of Rs. 1,95,000/- in the name of "The Registrar, IIT Bombay" in the Technical Bid Envelope.
- 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) Index Sheet

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 & Ongoing Market Rates and rate Analysis.

**TO BE SUBMITTED SEPARATELY IN OTHER ENVELOPE ALONG WITH
FINANCIAL BID**

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

File No. : EO/A/HOSTEL/WKS-20/26-27

Name of Work : Annual maintenance contract for Plumbing, Carpentry & Miscellaneous maintenance work in Hostel No. 12, 13 & 14 for One year period.

Name of the Contractor -----

Sr. No.	Name of Client	Name of Works	2022-23 (In Lakhs)	2023-2024 (In Lakhs)	2024-2025 (In Lakhs)	2025-2026 (In Lakhs)	
						Completed	Balance
			-	-	-	-	-
			-	-	-	-	-
Total Amount (In Lakhs)			-	-	-	-	-

Note : Contractor must submit his details as per Annexure 'A' with declaration stating that **he is possessing all the original copies of work orders and experience certificates, it will be produced as and when required to IIT Bombay.** However, if it is found false at later stage, the contractor will be debarred or blacklisted. Whereas, if information is not submitted as per Annexure 'A' format his bid capacity will not be calculated and his tender will be summarily rejected.

R. S. Gupta
29/04/2026

Superintending Engineer (I/C)

A. J. Gupta

Signature of Contractor
Name & Address in full

WORKS UNDERTAKING

EO/A/HOSTEL/WKS-20/26-27

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

Sub : Annual maintenance contract for Plumbing, Carpentry & Miscellaneous maintenance work in Hostel No. 12, 13 & 14 for One year period.

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 One year 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

INDEX SHEET

Sr. No.	Content	Page No. From - To
1	Experience of having successfully completed works during the last 7 years ending last day of the month previous to the one in which applications are invited : Three similar completed works costing not less than the amount equal to 40% of estimated cost put to tender, OR Two similar completed works, costing not less than the amount equal to 50% of the estimated cost put to tender Or One similar completed work of aggregate cost not less than the amount equal to 80% of the estimated cost.	
2	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.	
3	Bank Solvency certificate 40% of estimated amount issued within one year from any Nationalized / Schedule Bank from the date of publishing of Tender.	
4	P. F. registration certificate.	
5	P. F. challans of last 12months.	
6	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.ORContractors' all risks insurance (CAR policy)	
7	PAN card.	
8	GST Registration certificate	
9	Income Tax Return for assessment year i.e. of 2023-24 ,2024-25 & 2025-26.	
10	List of Equipment's, Machinery, Tools.	
11	List of Technical Staff with copies of their Degree/diploma certificate.	
12	Earnest Money Deposit	
13	Power of Attorney, if any.	
14	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.	
15	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.	
16	Annexure 'A'	
17		
18		

Signature & stamp of the Contractor

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. _____

INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
POWAI, MUMBAI - 400 076

EO/A/HOSTEL/WKS-20/26-27

ESTATE OFFICE

Name of Work :- Annual maintenance Contract for Plumbing, Carpentry & Miscellaneous maintenance work in Hostel No.12, 13 & 14 for One year period.

Schedule of work

Sr. No.	Description of work	Qty.	Rate (In Rs.)	Unit	Amount (In Rs.)
1 (a)	Attending all the plumbing, carpentry and associated problems, complaints etc. in Hostel No.12, 13 & 14 and in any other Hostels / Buildings as directed by Engineer In-charge in case of emergency by engaging a group of Plumber, carpenter and mason each with not less than 5 years experience in plumbing, carpentry and mason work, helper for all plumber, carpenter and mason for day regular shift duty with minimum knowledge in plumbing, carpentry and mason work and a supervisor of 10th standard pass having knowledge of civil works with minimum 3 years. Also engaging one plumber for night shift duty. The labourers are of age not less than 18 years and not more than 60 years and the Contractor should follow the Contract labour (Regulation & Abolition) Act.1970 and labourers are to be paid monthly payment by following all formalities under contract labour act 1970, Minimum wages Act, etc.	317	8,618.00	Per Job	27,31,906.00
	Arrangements shall be made to attend all the complaints from Hostel management and students, attend all the works as instructed by Engineer In-charge or his representative. Also the supervisor has to do daily inspection of toilet blocks, Kitchen, Mess area, Pump house, plumbing duct, terrace, doors, windows, cupboards, cots any wooden, aluminium furniture work, carpentry related work etc. and to rectify the defects and deficiencies noticed and to make sure that the entire system is in clean and working condition.				
	The scope of work includes all the plumbing, carpentry and mason works, periodical inspection of buildings, clearing of blockages up to the 1st chamber out side the building, fixing of loose fittings and fixtures with new screws,nails and brackets, providing and fixing of new washers for defective bib taps, stopcocks, pillar taps, ball floats, arresting leakage etc., and replacement of damaged fittings and fixtures supplied under Item No.2 or supplied by Institute, applying grey cement / white cement to fix jallis and filling cracks/opening etc all complete as directed by Engineer Incharge.				
	(i) The worker's pattern mentioned in this Item - 01 Plumber, 01 Carpenter, 01 Mason and 01 Helper for each Plumber, Carpenter & Mason and 01 Supervisor in regular day shift (9.00a.m. to 6.00p.m.) and 01 Plumber in night shift (6.00p.m. to 2.00a.m.) is to be deployed in all the 6 days of a week as and when required as per direction of Engineer In-charge. (ii) If any one of the eight is absent in a day and no substitute is provided a penalty equal to 30% rate of this Item per day will be deducted from that day's payment and if any two of the eight is absent in a day and no substitute is provided a penalty equal to 70% rate of this Item per day will be deducted from that day's payment and if any three out of the eight is absent and no substitute is provided, a penalty equal to the full rate of this Item per day will be deducted against that day's payment. (iii) If all the eight workers are absent in a day no payment will be given for that day and an additional penalty equal to 50% rate of this Item will be recovered from the bill.				
	(iv) All the complaints related to nonavailability of water due to internal defects, water wastage such as tap /valve leakage, external /internal blockage etc are to be attended and rectified in the same day of receiving complaints /reports.				

1 (b)	Arranging lifting and dropping of submersible pump from underground tank placing in position at Hostel No.12,13 &14 and installation of pumps with necessary plumbing connections by arranging 8 labours, (4 positioned at top & 4 positioned at bottom) and coordinating the lifting & dropping process between labours at top & bottom . Lifting & dropping shall be manually by means of wire / rope/lifting-dropping equipments with necessary hooks without causing any damage to themselves, pumps, workmen, other structures etc and reporting the completion to the Engineer In-charge or his representative etc all complete as directed.	10	1,995.00	Per Job	19,950.00
1 (c)	Attending all the plumbing, carpentry and associated problems, complaints etc. during the peak time especially before and after the admission process in Hostel No.12,13 & 14 as directed by Engineer In-charge. Before admission, the services should commence one month prior to the admission date and be completed atleast on week before admission begin. After admission, the services should commence immediately after the admission process and be completed within one month. The work shall be carried out by engaging a group of Plumber and carpenter each with not less than 5 years experience in plumbing and carpentry work, helper for both plumber and carpenter for day regular shift duty with minimum knowledge in plumbing and carpentry work. The labourers are of age not less than 18 years and not more than 60 years and the Contractor should follow the Contract labour (Regulation & Abolition) Act.1970 and labourers are to be paid monthly payment by following all formalities under contract labour act 1970, Minimum wages Act, etc.	52	4,172.00	Per Job	2,16,944.00
	Arrangements shall be made to attend all the complaints from Hostel management and students, attend all the works as instructed by Engineer In-charge or his representative. Inspect all plumbing fixtures, including all toilet blocks, Kitchen, Mess area, Pump house, plumbing duct, terrace, doors, windows, cupboards, cots any wooden, aluminium furniture work, carpentry related work etc. and to rectify the defects and deficiencies noticed and to make sure that the entire system is in clean and working condition.				
	The scope of work includes all the plumbing and carpentry works, clearing of blockages up to the 1st chamber out side the building, fixing of loose fittings and fixtures with new screws,nails and brackets, providing and fixing of new washers for defective bib taps, stopcocks, pillar taps, ball floats etc., and replacement of damaged fittings and fixtures supplied under Item No.2 or supplied by Institute, applying grey cement / white cement to fix jallis and filling cracks/opening etc all complete as directed by Engineer Incharge.				
	(i) The worker's pattern mentioned in this Item - 01 Plumber, 01 Carpenter and 01 Helper for each Plumber & Carpenter in regular day shift (9.00a.m. to 6.00p.m.) is to be deployed in all the 6 days of a week as and when required as per direction of Engineer In-charge. (ii) If any one of the four is absent in a day and no substitute is provided a penalty equal to 50% rate of this Item per day will be deducted from that day's payment and if any two out of the four is absent and no substitute is provided, a penalty equal to the full rate of this Item per day will be deducted against that day's payment. (iii) If all the four workers are absent in a day no payment will be given for that day and an additional penalty equal to 50% rate of this Item will be recovered from the bill.				
	(iv) All the complaints related to nonavailability of water due to internal defects, water wastage such as tap / valve leakage, external / internal blockage etc are to be attended and rectified in the same day of receiving complaints / reports.				
2	Supplying of the following materials as and when required and for installing / fixing through the team available as per Item No.1. Note :- Brands of material as per attached list and as directed by Estate Office.				
a	Back Seat for European W.C.	24	513.59	Nos.	12,326.16

b	Ball Cock (50 mm dia and PVC float)	5	2,225.00	Nos.	11,125.00
c	Ball Cock (40 mm dia and PVC float)	2	1,505.00	Nos.	3,010.00
d	Ball Cock (25 mm dia and PVC float)	1	337.50	Nos.	337.50
e	Ball valve (50 mm dia)	2	2,222.50	Nos.	4,445.00
f	Ball valve (40 mm dia)	2	2,000.00	Nos.	4,000.00
g	Ball valve (25 mm dia)	2	750.00	Nos.	1,500.00
h	Ball valve (15 mm dia)	2	320.00	Nos.	640.00
i	CP Bib Tap 15mm, Jaguar make	50	885.00	Nos.	44,250.00
j	CP Stop cock 15mm, Seiko/Techno make	24	470.00	Nos.	11,280.00
k	C.P. Pillar tap 15mm, Jaguar make	10	1,035.00	Nos.	10,350.00
l	C.P. Bib Tap 15mm, Seiko/Techno make	50	490.00	Nos.	24,500.00
m	C.P. Bottle trap (Jaquar)	5	1,280.00	Nos.	6,400.00
n	30 mm PVC waste pipe for urinal & washbasin	500	50.69	Nos.	25,345.00
o	C.I. Cover with frame (Gully trap)	10	700.35	Nos.	7,003.50
p	C.I. Nahani Trap 100 mm dia	10	440.22	Nos.	4,402.20
q	PVC Nahani Trap 100 mm dia	10	85.00	Nos.	850.00
r	PVC Pipe 50 mm dia	400.00	106.67	Rmt	42,668.00
s	PVC Pipe 40 mm dia	50.00	80.00	Rmt	4,000.00
t	Cement	10.00	343.91	Bag	3,439.10
u	White Cement	200.00	14.01	Kg	2,802.00
v	Chromium plated aluminium towel rod (16mm dia. 750 mm long)	50	276.67	Nos.	13,833.50
w	Flush Tank 10 Ltr with Accessories (Parryware / Flush line or approved make)	25	1,122.50	Nos.	28,062.50
x	G.I. Pipe 15 mm dia heavy type	100.00	142.74	Rmt	14,274.00
y	G.I. Pipe 20 mm dia heavy type	50.00	185.43	Rmt	9,271.50
z	G.I. Pipe 25 mm dia heavy type	100.00	262.80	Rmt	26,280.00
aa	G.I. Pipe 32 mm dia heavy type	50.00	329.50	Rmt	16,475.00
ab	G.I. Pipe 40 mm dia heavy type	10.00	386.86	Rmt	3,868.60
ac	G.I. Pipe 50 mm dia heavy type	25.00	520.26	Rmt	13,006.50
ad	G.I. Pipe 65 mm dia heavy type	10.00	600.30	Rmt	6,003.00
ae	G.I. Union 15 mm	10	53.36	Nos.	533.60
af	G.I. Union 20 mm	2	80.04	Nos.	160.08
ag	G.I. Union 25 mm	10	166.75	Nos.	1,667.50
ah	G.I. Union 32 mm	2	213.44	Nos.	426.88
ai	G.I. Union 40 mm	10	346.84	Nos.	3,468.40
aj	G.I. Union 50 mm	10	440.22	Nos.	4,402.20
ak	G.I. Union 65 mm	2	733.70	Nos.	1,467.40
al	G.I. Coupling 15 mm	10	17.50	Nos.	175.00
am	G.I. Coupling 25 mm	10	30.00	Nos.	300.00
an	G.I. Coupling 50 mm	10	120.00	Nos.	1,200.00
ao	G.I. Elbow 15 mm	10	18.50	Nos.	185.00
ap	G.I. Elbow 20 mm	10	30.00	Nos.	300.00
aq	G.I. Elbow 25 mm	10	42.50	Nos.	425.00
ar	G.I. Elbow 50 mm	20	145.00	Nos.	2,900.00
as	G.I. Elbow 65 mm	10	272.50	Nos.	2,725.00
at	G.I. Nipple 50 mm	20	50.00	Nos.	1,000.00
au	G.I. Nipple 65 mm	10	70.00	Nos.	700.00
av	G.I. Tees 15 mm	10	30.00	Nos.	300.00
aw	G.I. Tees 20 mm	10	45.00	Nos.	450.00
ax	G.I. Tees 25 mm	10	93.38	Nos.	933.80
ay	G.I. Tees 50 mm	10	117.50	Nos.	1,175.00
az	G.I. Tees 65 mm	10	640.32	Nos.	6,403.20
ba	Gun Metal Stop cock 15 mm	5	306.82	Nos.	1,534.10
bb	Gun Metal Stop Cock 20 mm	1	326.83	Nos.	326.83

bc	Mirror	50	2,224.67	Sqm	1,11,233.50
bd	PVC "YY" Junction 110 mm	2	190.00	Nos.	380.00
be	PVC "YY" Junction 75 mm	2	120.00	Nos.	240.00
bf	PVC Socket and Coupling 110mm	1	54.69	Nos.	54.69
bg	PVC Socket and Coupling 75mm	1	25.35	Nos.	25.35
bh	Salt glazed S. W. gully trap	2	169.42	Nos.	338.84
bi	Socket for 12/15 mm tap	1	75.00	Nos.	75.00
bj	Socket for 20/25 mm tap	1	160.00	Nos.	160.00
bk	Socket for 32 mm tap	1	520.00	Nos.	520.00
bl	Socket for 40 mm tap	1	622.50	Nos.	622.50
bm	Socket for 50 mm tap	1	1,070.00	Nos.	1,070.00
bn	Spun Yarn	10.00	81.37	Kg.	813.70
bo	Stainless Steel Sink 610 x 460 mm & 200 mm depth	1	2,134.40	No.	2,134.40
bp	Wash Basin White Glazed 550 x 430 mm (Jaquar/Parryware/approved make)	12	1,715.00	Nos.	20,580.00
bq	WC Pan white glazed 23" (Orisa type with trap) (Cera/Parryware/approved make)	6	1,657.50	Nos.	9,945.00
br	WC Pan White Glazed 580 mm European type with P/S trap (Cera/Parryware/approved make)	10	1,855.00	Nos.	18,550.00
bs	WC Pan wall hung	5	4,500.00	Nos.	22,500.00
bt	Wheel Stop Tap Gun Metal 25mm	4	550.94	Nos.	2,203.76
bu	Wheel Stop Tap Gun Metal 40mm	4	733.70	Nos.	2,934.80
bv	Wheel Stop Tap Gun Metal 50mm	4	917.79	Nos.	3,671.16
bw	Wheel Stop Tap Gun Metal 65mm	2	1,584.79	Nos.	3,169.58
bx	Non Return Valve 32mm	2	697.68	Nos.	1,395.36
by	Non Return Valve 40mm	2	844.42	Nos.	1,688.84
bz	Non Return Valve 50mm	2	1,232.62	Nos.	2,465.24
ca	Non Return Valve 65mm	2	2,238.45	Nos.	4,476.90
cb	White glazed half stall urinal (Cera / American standard/Parryware/)	10	3,575.00	Nos.	35,750.00
cc	White glazed full stall urinal (Cera / American standard/Parryware/)	5	6,500.00	Nos.	32,500.00
cd	C.P Spreader (For gents Urinal)	100	433.55	Nos.	43,355.00
ce	Copper Connector – 300mm long	10	90.00	Nos.	900.00
cf	Copper Connector – 600mm long	30	120.00	Nos.	3,600.00
cg	Double Nipple for Urinal	20	61.36	Nos.	1,227.20
ch	Teflon tape	200	20.00	Nos.	4,000.00
ci	Cap washer for connector	25	1.50	Nos.	37.50
cj	Two Way Bib Tap (Seiko)	20	1,070.00	Nos.	21,400.00
ck	Jet Spray / Hand Spray (Jaquar/approved make)	200	695.00	Nos.	1,39,000.00
cl	Jet Spray Pipe connection- 1 meter long	200	150.00	Nos.	30,000.00
cm	C. P. Jet Spray / Hand Spray Stand	200	75.00	Nos.	15,000.00
cn	Waste coupling – 32mm dia full threaded	50	125.40	Nos.	6,270.00
co	Waste coupling – 40mm dia full threaded	20	146.74	Nos.	2,934.80
cp	PVC Connection pipe 15mm dia- for wash basin	100	53.36	Nos.	5,336.00
cq	PVC Connection pipe 15mm dia- for flush tank	100	66.70	Nos.	6,670.00
cr	Stainless Steel Jali 4" for nahani trap with / without hole	150	45.00	Nos.	6,750.00
cs	Sink cock for mess (Seiko make)	5	865.00	Nos.	4,325.00
ct	Shower Arm	50	95.00	Nos.	4,750.00
cu	Shower rose 100 mm dia	100	161.41	Nos.	16,141.00
cv	Flush Tank washer	200	25.00	Nos.	5,000.00
cw	Flush button set for flush tank	50	150.00	Nos.	7,500.00
cx	Push cock for urinals (Jaguar make)	30	1,890.00	Nos.	56,700.00
cy	Angle cock (Jaquar make)	85	587.50	Nos.	49,937.50
cz	Aluminum Window Z-handle	50	72.67	Nos.	3,633.50
da	Aluminum tower bolt 75mm	50	53.33	Nos.	2,666.50
db	Brass Butt Hinges heavy type 75mm	50	122.86	Nos.	6,143.00

dc	Brass Butt Hinges heavy type 100mm	50	146.21	Nos.	7,310.50
dd	Brass Butt Hinges heavy type 125mm	150	191.96	Nos.	28,794.00
de	Hyper hydraulic door closer (ISI Mark)	100	1,271.00	Nos.	1,27,100.00
df	Fevicol	5.00	210.00	Kg.	1,050.00
dg	Glass 3mm thick (plain)	5.00	240.00	Sqm	1,200.00
dh	Glass 4mm thick (Plain)	10.00	322.00	Sqm	3,220.00
di	Glass 5mm thick (Plain)	20.00	705.69	Sqm	14,113.80
dj	Glass 5 mm thick (Bajri)	20.00	618.70	Sqm	12,374.00
dk	3mm acrylic sheet	5.00	705.69	Sqm	3,528.45
dl	5mm acrylic opaque sheet	5.00	2,203.90	Sqm	11,019.50
dm	6mm acrylic opaque sheet	5.00	2,886.94	Sqm	14,434.70
dn	5mm acrylic plain sheet	5.00	2,203.90	Sqm	11,019.50
do	Godrej Night latch	10	977.50	Nos.	9,775.00
dp	Brass handle 75mm	50	57.00	Nos.	2,850.00
dq	Brass handle 125mm	50	66.00	Nos.	3,300.00
dr	Brass hinges 75mm	50	110.00	Nos.	5,500.00
ds	Brass hinges 125mm	50	112.00	Nos.	5,600.00
dt	Rubber gasket (EPDM gasket)	50.00	21.34	Rmt	1,067.00
du	PVC lining	10.00	15.00	Rmt	150.00
dv	Tower bolt 100mm brass oxidized	50	160.08	Nos.	8,004.00
dw	Tower bolt 150mm brass oxidized	50	240.12	Nos.	12,006.00
dx	Tower bolt 200mm brass oxidized	50	306.82	Nos.	15,341.00
dy	SS fly proof mesh	300.00	593.63	Sqm	1,78,089.00
dz	SS Aldrop 250mm	50	246.67	Nos.	12,333.50
ea	Capsule door closer	20	207.50	Nos.	4,150.00
eb	D' Type handle 125mm	10	31.67	Nos.	316.70
ec	D' Type handle 150mm	10	41.67	Nos.	416.70
ed	Bib cock with head adapter for washing machine	5	514.00	Nos.	2,570.00
ee	Concealed Lock	10	56.67	Nos.	566.70
ef	PVC bearing	100	92.05	Nos.	9,205.00
eg	Aluminum decorative grill	20.00	769.00	Sqm	15,380.00
eh	ACP sheet 4mm thick	10.00	1512.76	Sqm	15,127.60
ei	Kaichi Hinges (Albihari make) 255 mm	10	330.83	Nos.	3,308.30
ej	Kaichi Hinges (Albihari make) 355 mm	10	273.47	Nos.	2,734.70
ek	1 mm Sunmica sheet (white)	10.00	575.00	Sqm	5,750.00
el	1 mm Sunmica sheet (designer)	10.00	430.88	Sqm	4,308.80
em	Teak wood Beading Patti (35mm)	20.00	33.63	Rmt	672.60
en	Teak wood (2100 x 100 x 75 mm)	24	1,300.00	Nos.	31,200.00
eo	Aluminum sliding window lock (Starlock)	50	58.33	Nos.	2,916.50
ep	Haps & staple	20	10.81	Nos.	216.20
eq	Holdite-sealant	1.00	315.00	kg	315.00
er	SS Sliding latch /tadi 250mm long	10	105.00	Nos.	1,050.00
es	SS door stopper with rubber peg	20	63.75	Nos.	1,275.00
et	CPVC 15mm pipe	10.00	57.36	Rmt	573.60
eu	CPVC 20mm pipe	10.00	78.71	Rmt	787.10
ev	CPVC 25mm pipe	50.00	126.73	Rmt	6,336.50
ew	Marine ply wood 4mm thick	20.00	484.20	Sqm	9,684.00
ex	Marine ply wood 6mm thick	20.00	564.90	Sqm	11,298.00
ey	Marine ply wood 8mm thick	20.00	715.54	Sqm	14,310.80
ez	Marine ply wood 12mm thick	20.00	1,047.19	Sqm	20,943.80
fa	Marine ply wood 18mm thick	50.00	1,318.10	Sqm	65,905.00
fb	Anchor fastener 10mm x 100mm	30	53.36	Nos.	1,600.80
fc	Hook for fan	10	28.25	Nos.	282.50

fd	M-seal	3.00	277.78	Kg	833.34
fe	Parryware concealed body shower mixer	5	4500.00	Nos.	22,500.00
ff	6 mm toughened glass	5.00	1102.90	Sqm	5,514.50
fg	12 mm toughened glass	5.00	2567.95	Sqm	12,839.75
fh	Floor spring for glass door upto 150kg	6	2154.41	Nos.	12,926.46
fi	Lock for glass door	6	115.00	Nos.	690.00
fj	SS 304 Cockroach Trap	30	627.50	Nos.	18,825.00
fk	HDPE Garden Net	10.00	87.50	Sqm	875.00
fl	CP brass Stop cock concealed (15mm) (Jaquar make)	30	920.00	Nos.	27,600.00
3	Excavation by manually / mechanical means in earth, soil of all types, sand, gravel, soft murum/hard murum and boulders up to 1.50 meter depth including removing the excavated materials upto a distance of 50 meters beyond the site area/stacking and spreading as directed including dewatering by any means, preparing the bed for the foundation and necessary backfilling, ramming, watering, including shoring and strutting etc. all complete as directed by Engineer In-charge.	10.00	246.42	Cum	2,464.20
4	Providing & laying dry trap / rubble stone soling of required thickness including hand packing and compacting in proper level etc. all complete as directed by Engineer In-Charge.	2.00	1,084.00	Cum	2,168.00
5	Removing the old & damaged cement concrete or any type of tiles / china mosaic tiles from floor / terrace / wall carefully including levelling the surface, cleaning the site & stacking the debris at suitable location for taking out side IIT campus including scaffolding etc all complete as directed by Engineer In-charge.	200.00	69.49	Sqm	13,898.00
6	Dismantling plain cement concrete work including breaking concrete by chiseling, wedging etc., including covering area with jute kantan to avoid spreading of dust etc., and stacking the same at suitable locations for taking away out of IIT campus including scaffolding etc. all complete as directed by Engineer In-Charge.	2.00	1,423.42	Cum	2,846.84
7	Dismantling Reinforced cement concrete work including breaking concrete by chiseling, wedging including covering area with jute kantan to avoid spreading of dust etc., and stacking the same at suitable locations for taking away out of IIT campus including scaffolding etc. all complete as directed by Engineer In-Charge.	2.00	3,361.89	Cum	6,723.78
8	Removing the existing loose and damaged brickbat coba waterproofing treatment from toilet block/terrace/balcony up to any thickness with out making any damages to the roof slab with the use of sharp chisels, levelling and cleaning the surface for providing new specialised waterproofing treatment, lowering down debris without causing dust nuisance and stacking the same at suitable locations for taking away out of IIT campus including scaffolding etc. all complete as directed by Engineer In-Charge.	5.00	1,183.00	Cum	5,915.00
9	Carefully removing the internal /external cement plaster/pop plaster or top of concrete surface of any thickness and at any height covering with plastic/tarpaulin for floor wherever required without causing dust nuisance and stacking the same at suitable locations for taking away out of IIT campus including scaffolding etc. all complete as directed by Engineer In-Charge.	50.00	51.74	Sqm	2,587.00
10	Pulling down burnt brick masonry/block masonry (in cement mortar) including lowering down debris, sorting out serviceable bricks/blocks and stacking the same at suitable locations for taking away out of IIT campus including scaffolding etc. all complete as directed by Engineer In-Charge.	3.00	1,950.35	Cum	5,851.05
11	Providing and laying in situ plain cement concrete 1:1 ½ :3 (M-20) of trap metal for foundation and bedding including bailing out water manually, formwork, compacting and curing etc all complete as directed by Engineer In-charge.	10.00	7,896.10	Cum	78,961.00

12	Providing uncoursed rubble masonry of trap stones in cement mortar 1:6 in foundation and plinth of inner wall including bailing out water manually, striking joints on unexposed faces and pointing with cement mortar 1:3 on outside exposed faces and watering etc all complete as directed by Engineer In-charge.	2.00	6,921.39	Cum	13,842.78
13	Carefully exposing the existing damaged RCC members like columns, beams, slabs, chajjas, paradis, fins etc in patches or any length by using electrical cutting tools/manually means up to any depth till the corroded reinforcement will be opened allround without damaging brickwork, plaster in the vicinity, cleaning the rusted reinforcement and exposed surface by wire brush mechanical device or any other established method and applying rust removing solution of approved make and quality with cotton waste swab to reinforcement and allowing to dry the same for 24 hour, brushing of loose particles and applying first coat of rust preventive coating of polymer and cement slurry in 1:1.5 proportion with soft brush without adding water including applying another coat of rust preventing after 4 hours allowing air curing for 48 hours, stacking the same at suitable locations for taking away out of IIT campus, cleaning the site etc. complete, including covering the furniture with plastic sheet while exposing concrete, including scaffolding etc. all complete as directed by Engineer In-Charge.	50.00	138.00	Sqm	6,900.00
	Note: Proper tools to be used for removal of concrete. The area in vertical plane shall be measured.				
14	Providing and applying an effective bond coat of Polymer (SBR) approved by IITB and cement in the proportion of 1:1 using brush in multiple coats as required to accommodate the whole thickness of polymer modified mortar wherever required on the surface of old concrete or repaired concrete. Polymer (SBR) of approved manufacturer should have the following properties: Suspended solid particle should not be less than 40%-specific gravity should not be more than 1.01-PH should not be less than 8.5. Note : The actual consumption of polymer shall be measured for payment on weight basis. Challans of authorised dealer will be verified.	100.00	422.00	Kg.	42,200.00
15	Providing & placing in position readymix polymer mortar manufacture by Dr. Fixit, Sunanda, Roff, MC Bouchmey, Chembond and approved and adding water in the proportion of 1:0.14 (polymer mortar: water) in prepared grooves / cracks of the concrete court in layers as directed including mixing the polymer mortar with water using forced action mixer mild curing with water for 3 days including scaffolding etc. all complete as directed by Engineer In-charge. Payment will be paid for the actual quantity of polymer mortar PX used on weight basis. Challans of authorised dealer will be verified.	500.00	47.00	Kg.	23,500.00
16	Drilling straight and inclined holes upto 300mm depth and upto 20mm dia in concrete / masonry using electrically operated drilling machine and fixing PVC nipple for grouting, conducting water test including scaffolding etc. all complete as directed by Engineer In-charge.	50.00	35.00	Nos.	1,750.00
17	Grouting existing RCC structural members & tile work as per following operations, sealing leak paths with cement mortar & polymer, fixing of nipple, plugging the hole with neat cement paste by ram packing, cleaning including scaffolding etc. all complete as directed by Engineer In-charge. 1) Add Sunflex powder 1.00 kg in one bag of cement of 50 kg with adequate water. 2) Using mechanical means of pressure grouting with the above mix. The pressure shall be 5-10 psi. 3) The grouting to be done into the cracks of ceiling, walls, columns, & beam junctions wherever required. 4) After through grouting sealing the holes with cement slurry etc. all complete as directed.	100.00	36.00	kg	3,600.00
18	Drilling straight & inclined holes of 12-14mm dia and upto required depth in concrete/walls/floors for PU resin injection, including cleaning the surface, fixing of injection packers, and making the surface ready for grouting, including necessary working platform stepladder etc. All complete as directed by Engineer In-charge.	50.00	70.00	Nos	3,500.00

19	Injection grouting of cracks, joints, & leakages in walls/floors using single/two component polyurethane (PU) resin of approved make including cleaning the surfaces, fixing of injection packers, grouting with PU resin under controlled pressure, allowing the foam to set, removal of packers, sealing of holes with epoxy polymer modified mortar & cleaning & prepare the surface for finishing including necessary working platform stepladder etc all complete as directed by Engineer In-charge.	20.00	1,293.00	Kg	25,860.00
20	Providing and laying super fluid micro concrete of approved manufacturer at any floor after reinforcement treatment coat including mixing with 5mm to 10mm size quartz aggregate in the ratio of 1 part ACC shrikomp to 0.75 part of quartz aggregate by weight providing marine plywood formwork in line and level, cleaning, curing, scaffolding etc. complete. the compressive strength of super fluid micro concrete should not be less than 20N / mm ² etc. All complete as directed by Engineer In-charge. (Make:-Dr. Fixit, Sunanda, MC Bouchmey, Chembond, M/s Wall Plast)	500.00	69.00	kg	34,500.00
21	Cutting, demarcating grooves at any height with electrically operated cutter machine between sound and unsound plaster, cracks on external wall, separation cracks including scaffolding, stacking the debris at suitable location etc. all complete as directed by Engineer In-charge.	50.00	45.00	Rmt	2,250.00
22	Providing and filling separation crack of 50mm-100mm width and 25mm deep with polymer modified cementitious mortar. Demarcating groove, removing plaster / concrete carefully, washing with potable water. Filling polymer modified cementitious mortar in layers of 20mm thick (applying bond coat at every layer) upto profile of concrete in vicinity (composition of mortar: cement 1Kg.: polymer (SBR) of approved manufacturer 15% by wt. of cement : 3Kg silica sand (grading IS 383, zone II, silt content = 0%) over a polymer + cement bond coat, applying/ making tape on both side of groove, cleaning, finishing to match the plaster in vicinity, stacking of debris at suitable location to take away out of IIT campus, cleaning, including scaffolding etc. all complete as directed by Engineer In-Charge. Proportion of Bond coat i.e. SBR polymer + cement in the ratio 1:1 by volume, SBR polymer 150ml, Cement 1 Kg., Silica sand 3.0 kg. (Note: - Demarcating groove, breaking plaster / concrete shall be paid under respective items).	50.00	173.00	Rmt	8,650.00
23	Providing second class burnt brick masonry with best available approved quality well burnt bricks in cement mortar 1:4 in half brick thick wall including providing RCC patli M-20 concrete (1:1½:3), 100mm x 100mm to the full length of wall at every one meter height, using two numbers 8mm dia tor steel reinforcement, scaffolding, racking out joints and watering etc. all complete as directed by Engineer In-charge.	5.00	1,063.88	Sqm	5,319.40
24	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 by Engineer In-charge.	2.00	8,620.40	Cum	17,240.80
25	Providing & fixing approved quality 12 Gauge thick weld mesh with nails at junction of R.C.C. and masonry walls before plastering including scaffolding etc. all complete as directed by Engineer In-charge.	100.00	591.00	Sqm	59,100.00
26	Providing cement plaster 12mm thick in single coat in cement mortar 1:4 to concrete or brick surfaces in all positions including curing, scaffolding and curing etc. all complete as directed by Engineer In-charge.	50.00	328.54	Sqm	16,427.00
27	Providing cement plaster 20mm thick in a single coat in cement mortar 1:4 to concrete or brick surfaces in all positions including curing, scaffolding in fine sand etc. all complete as directed by Engineer In-charge.	50.00	446.22	Sqm	22,311.00

28	Providing and applying external waterproof plaster using factory made ready mix polymer cement mortar plaster. I) Providing and rendering the prepared surfaces with new sand faced cement plaster of minimum 25mm thick in two coats by using factory made ready mix polymer modified cement plaster waterproof plaster of approved make (M/s Wall Plast, M/s Fare-Matt, Damant) or any other approved brand. II) The base coat of minimum 12-15mm 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 specifications) to receive the top finish coat. III) Applying top/finish coat plaster of minimum 10-12mm thickness with similar ready mix polymer cement mortar plaster finishing in perfect plumb, line & level so as to obtain fine sand grain finish by using branded approved variety sponge or using mechanised device including adding additional required quantity of cement for managing richer mix preferable ordinary portland cement 43 grade variety of approved brand at no extra cost, doing regular curing for minimum 7 days.. etc all complete as directed by Engineer In-Charge.	100.00	685.00	Sqm	68,500.00
29	Providing & laying cement based water proofing treatment to terrace / toilet block as required brick bats laid in required slope to drain the water for any span after cleaning the base surface. Applying a coat of cement slurry admixed with approved water proofing compound and laying the brick bats on bottom layer in C.M 1:5 admixed with approved water proofing compound doses as per manufacturer's specification filling up to half depth of brick bats, curing this layer 3 days, applying cement slurry over this layer joints of brick bats with C.M. 1:3 admixed with approved water proofing compound and finally top finishing with average 20mm thick layer of same mortar finishing the surface smooth with cement slurry admixed with approved water proofing compound including all leads,lifts,curing etc. Covering 10 years' guarantee on requisite (Rs-500/-) non- judicial stamp paper etc. all complete as directed by Engineer In-charge.	25.00	6,722.00	Cum	1,68,050.00
30	Providing waterproof bedding for flooring of bath and W.C. 25mm thick in cement mortar 1:3 using waterproofing compound doses as per manufacturer's specification including leveling, curing etc. all complete as directed by Engineer In-charge.	25.00	433.00	Sqm	10,825.00
31	Providing waterproof plaster in w. c. and bath 12mm thick for dado in cement mortar 1:3 with neat finishing, floating using waterproofing compound doses as per manufacturer's specification etc. all complete as directed by Engineer In-charge.	25.00	546.00	Sqm	13,650.00
32	Providing and laying water proofing cement concrete flooring to terrace to average 50mm thick with 1:2:3 cement concrete laid to proper level and slope using river sand including compaction, filling joints, adding recommended waterproofing compound doses as per manufacturer's specification, finishing the top surfaces with broken china mosaic (broken piece of glazed tiled) of approved colour & pattern including neat cement float, testing the roof by ponding with water for 14 days, providing waterproofing guarantee / warranty for 5 years on requisite (Rs-500/-) non-judicial stamp paper etc. all complete as directed by Engineer Incharge.	50.00	1141.00	Sqm	57,050.00
33	Providing and laying cement concrete flooring 1:2:4, 40mm thick with 10mm nominal size stone aggregate finished with a floating coat of neat cement including cement slurry, curing etc. all complete as directed by Engineer In-charge.	10.00	581.45	Sqm	5,814.50
34	Providing and fixing coloured ceramic tiles of size as per existing pattern or as directed and of approved brand about 5 to 6mm thick for dado and skirting in required position including plastering of required thickness in CM 1:4, filling joints with neat cement slurry mixed with pigment to match the colour of tiles, curing, rubbing and cleaning etc. all complete as directed by Engineer In-charge.	100.00	1,200.34	Sqm	1,20,034.00

35	Providing and laying approved non skid coloured ceramic floor tiles of size as per existing pattern or as directed by Engineer in-charge having thickness not less than 5mm in required position laid on a bed of 1:4 cement mortar including neat cement float, filling joints with neat cement slurry mixed with approved shade of pigment to match the colour of tiles, curing and cleaning etc. all complete as directed by Engineer In-charge.	50.00	1,038.08	Sqm	51,904.00
36	Providing and laying non skid vitrified floor tiles of size 600mm X 600mm or as per existing pattern or as directed by Engineer in-charge having thickness not less than 8mm of approved make, shade and pattern and having water absorption between 0.08% to 2.5% for flooring / skirting in required position laid on a bed of 1:4 cement mortar including neat cement float, filling joints with neat cement slurry mixed with approved shade pigment to match colour of tiles, curing & cleaning all complete as directed by Engineer In-charge.	60.00	1,470.62	Sqm	88,237.20
37	Providing and laying polished Kota stone slab not less than 25mm thickness of required size & pattern on a bed of 1:4 cement mortar or 20 mm thick plaster of cement mortar 1:3 including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. all complete as directed by Engineer In-charge.	60.00	1,844.37	Sqm	1,10,662.20
38	Providing and laying granite slabs not less than 16 mm thick of approved shade, colour, & texture for steps, ramps, window sills & other similar locations of required size on a bed of 1:4 cement mortar including rounding / moulding, polishing, filling joints with white / coloured cement to match colour of tiles, curing polishing etc all complete as directed by Engineer In-charge.	50.00	4,862.42	Sqm	2,43,121.00
39	Providing and fixing Kadappa stone slab for kitchen platform / cupboard shelves / framework of approved type and design not less than 25mm thick in cement mortar 1:4 including filling joints, curing, cleaning etc. all complete as directed by Engineer In-Charge.	10.00	1,127.00	Sqm	11,270.00
40	Providing and laying factory made chamfered edge Cement Concrete paver blocks in foot path, driveway & traffic parking etc. of any colour & 80mm thick of M-30 grade, approved design & pattern laid in required pattern over 50mm thick compacted bed of coarse sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand, all complete as per manufacturer's specifications & direction of Engineer In-Charge.	10.00	1,033.30	Sqm	10,333.00
41	Relaying old available paver blocks in specified pattern for floor and steps etc. including 50mm thick compacted bed of crushed sand in specified decorative designs with blocks of available colour and pattern including filling the joints with crushed sand, compacting blocks with mechanical means after laying and cleaning including shifting within campus etc. all complete as directed by Engineer In-charge.	50.00	381.46	Sqm	19,073.00
42	Providing and fixing Chequered precast Cement concrete tiles of 22mm thick of approved colour and pattern over the slab of mess including filling the joints with light shed pigment with white cement to match the shade of tiles including rubbing, curing and cleaning etc. complete on 20mm thick bed of cement mortar 1:4 (1 Cement : 4 coarse sand) etc. all complete as directed by Engineer Incharge..	100.00	1,327.24	Sqm	1,32,724.00
43	Providing and applying white cement based Birla make wall care putty with uniform thickness over the existing internal cement plaster in proper line / level including preparing the wall surface for the application of wall care putty etc. all complete as directed by Engineer In-charge.	500.00	147.73	Sqm	73,865.00

44	Providing & fabricating structural steel works in rolled sections like channels, angles, tees, M.S. plate, pipe, flats etc. as per site requirement including fixing in position with connecting plates, braces, and welding as necessary etc. including painting with one coat of red oxide primer and two coats of S.E.P including necessary stepladder/MS H frame scaffolding etc. all complete as directed by Engineer In-charge.	500.00	111.09	Kg	55,545.00
45	Providing and fixing stainless steel (Grade 304) railing/door/gate made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement etc. all complete as directed by Engineer-In-Charge. (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	100.00	731.21	Kg	73,121.00
46	Providing, fabricating & fixing Stainless Steel (Grade 304) perforated jali for kitchen drain as per required size and required design as per site requirements including fixing in position and welding as necessary as per site requirement etc. all complete as directed by Engineer In-charge.(Note :-Weight of jali should not be less than 3.20 kg per sqm).	10.00	4,300.00	Sqm	43,000.00
47	Providing & fixing stainless steel (Grade 304) Corner Guards for edge protection in tiles, walls, columns etc of size 50mm x 50 mm x 1mm thick or as per required size & length including fixing in position as per site requirements including all necessary fitting & fixtures all complete as directed by Engineer In-charge.	50.00	829.00	Rmt	41,450.00
48	Providing temporary steel supports such as tubular steel props 50mm dia, as required for supporting system till the repaired work of the beam, column, slab, chajja, etc. work completed in all respects as directed and when required in any floor of any height inside and outside of the building and removing the supporting system as directed without damaging the structure etc. all complete as directed by Engineer Incharge.	10.00	92.00	No.	920.00
49	Providing and fixing mild steel grill work for windows, ventilators as per instructions including necessary welding and painting with one coat of metal primer and two coats synthetic enamel paint including scaffolding etc. all complete as directed by Engineer Incharge.	100.00	225.64	Kg.	22,564.00
50	Providing and fixing 15 micron anodized/ powder coated aluminium section for door frame, windows, partitions and any other required work etc. of required size including fixing with required fittings such as screws and other required fittings including fixing in proper alignment, rectifying all damaged, P/F wood inside frame for fixing hinges etc. all complete as directed by Engineer In-charge.	100.00	499.00	Kg	49,900.00
51	Providing and fixing in position three track aluminium sliding windows using sections of size 92 mm x 31mm x 1.3 mm thick for bottom, sides and top. The shutter comprising of bottom and top member of size 40 mm x18 mm x 1.29 mm thick, interlocking section of size 40 mm x 18 mm x 1.00 mm thick and handle section of size 40mm x 18 mm x 1.29 mm thick including providing and fixing 5 mm thk. tinted / plain glass in two shutters and aluminum mosquito net in one shutter using rubber gasket, approved quality minimum two nos.PVC rollers for each shutter, necessary locks, handles, PVC lining and other required fittings,pump filled structural silicon sealant & hardware,making window watertight, provision for fixing A.C. units (if required) etc. all complete as directed by Engineer In-charge.(Note: All aluminium sections and fitting are 15 micron anodized/ powder coated).	10.00	5,794.00	Sqm	57,940.00

52	Providing and fixing in position shutter in sliding window using aluminium section for bottom and top member of size 40 mm x18 mm x 1.29 mm thick , interlocking section of size 40 mm x 18 mm x 1.00 mm thick and handle section of size 40mm x 18 mm x 1.29 mm thick including providing and fixing 304 grade stainless steel mosquito proof mesh in the shutter using approved quality minimum two nos.PVC rollers, necessary locks, handles and other required fittings, making shutter removable as and when require etc. complete as directed by Engineer in charge.(Note: All aluminium sections and fitting are 15 micron anodized/ powder coated).	10.00	3090.00	Sqm	30,900.00
53	Providing, making and fixing fully opaque aluminium partition using 63mm x 37mm x 1.5mm thick (15 micron / powder coated) anodized aluminium partition section fitted with 20mm thick wood particle board of novapan or approved make, including providing with all necessary fittings and fixtures, fixing glazing clips, rubber gasket/ 'U'/'F' channel for border etc. all complete as directed by Engineer Incharge. (All aluminium sections should be 15 micron anodized/ powder coated).	10.00	2,614.00	Sqm	26,140.00
54	Silicone sealants around window frames / window frame joints and drill holes for water outlet when the rain water on the glass fall into the channel and overflows (wherever required) including stepladder/working platform etc all complete as directed by Engineer In-charge.	100.00	69.00	Rmt	6,900.00
55	Providing and fixing 20mm thick cement bonded wood particle board (bison panel) for chajja, ceiling at any floor, providing suitable hole for fixing nuts and bolts including making suitable groove on plaster and vatta, proper slope double scaffolding wherever required etc. all complete as directed by Engineer Incharge.	50.00	1,537.00	Sqm	76,850.00
56	Providing and applying one priming coat of ITTB approved brand, to wood work and steel works, including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter, sand papering etc. with the use of stepladder/working platform etc all complete as directed by Engineer In-charge.(Make: Asian/ Berger/ Nerolac/ Dulux)	200.00	63.81	Sqm	12,762.00
57	Providing and applying two coats of synthetic enamel paint of approved colour and shade to old/new wood work and structural steel works with the use of working platform/stepladder wherever required, cleaning and preparing surfaces by solvent, degreasing and derusting by manual scrapping, etc. all complete as directed by Engineer In-charge. (Make: Asian/ Berger/ Nerolac/ Dulux)	200.00	97.32	Sqm	19,464.00
58	Providing and applying one coat of acrylic primer and two coats of exterior acrylic paint of approved colour & shade and as per manufacturer's specification on old/new plastered surface over concrete / brickwork as per manufacturer's specification including working platform/ step ladder and cleaning the surface thoroughly with coir brush/water jet, , filling the cracks using appropriate exterior putty, watering the surface etc. complete including covering the floor, window glass with plastic sheet etc all complete as directed by Engineer In-charge. (Make : Berger (Weathercoat), Asian (Ultima), Nerolac (Excel total)).	100.00	152.04	Sqm	15,204.00
59	Providing and applying one coat of seal cement primer ITTB approved brand, cleaning the surface including covering the floor, window glass with plastic sheet, scrapping the surface, removing nails, socket holes, levelling the entire surface with lambi / palti with the use of working platform/stepladder, removing stains from floor after completion of work etc. all complete as directed by Engineer In-charge. (Make: Asian/Berger/Nerolac/Dulux)	500.00	70.01	Sqm	35,005.00

60	Providing and applying roller finish Acrylic plastic emulsion paint of approved colour and shade to old / new ceiling & wall surfaces in two coat with uniform finish with the use of working platform/stepladder, scrapping, preparing and levelling the surfaces with palti/putty, as per manufactures specification including covering the floor, window glass with plastic sheet and cleaning (excluding priming coat) etc all complete as directed by Engineer In-Charge. (Asian/Berger/Nerolac/Dulux)	500.00	130.12	Sqm	65,060.00
61	Providing & applying one coat of protectomastic self priming high build coating / Concessive ZRi of approved make, solvent borne zinc rich epoxy primer, having thickness as per manufacturer specification including applying one coat of intermediate epoxy high build finish and followed by two coats of an acrylic polyurethane enamel paint of Berger / Masterseal 260 of BASF / NEROLAC / ASIAN, applying on to prime surface to obtain thickness as per manufacturer's specification on exposed structural steel members including preparing & cleaning, removing all old surface coating and corrosion, cement plaster residue etc. by using steel wire brushes/chisels, emery/sand papers, compressors/air blowers etc including necessary taking all safety precautionary measures, covering the floor area by plastic, removing stains of paint from floor, scaffolding etc all complete as directed by Engineer In-charge. (MAKE BY : BERGER / BASF / NEROLAC / ASIAN PAINTS)	50.00	665.00	Sqm	33,250.00
62	Providing hoisting and fixing in position ISI mark plastic storage water tank of approved make (Sintex/Infra make) on roof of Mess / Kitchen / building at any height with all fittings & fixtures, fixing the M.S.ladder with concrete foundation & steel covers with locking arrangement as per approved B.M.C pattern, copper ball float of 1" size, connecting the tank (inlet and outlet) with the existing water line, providing and fixing over flow pipe 25mm dia with mosquito proof brass coupling using required fitting / fixtures etc all complete as directed by Engineer In-charge. (The capacity of tanks will be of 1000/2000/3000/5000 liters)	5,000.00	12.00	Liter	60,000.00
63	Providing and constructing Brick Masonry Inspection Chamber 90 cm x 45 cm and 90 cm to 150 cm in depth including necessary excavation, cement concrete in M-20 foundation, 23 cm thick channels, brick masonry, plastering from inside and outside as required in cement mortar 1:3 and airtight RCC cover with frame work fixed in cement concrete 1:2:4 etc all complete as directed by Engineer In-charge.	1.00	15,672.00	No.	15,672.00
64	Providing and constructing Brick Masonry Inspection Chamber 90 cm x 45 cm and 45 cm to 90 cm in depth including necessary excavation, cement concrete in M-20 foundation, 23 cm thick channels, brick masonry, plastering from inside and outside as required in cement mortar 1:3 and airtight RCC cover with frame work fixed in cement concrete 1:2:4 etc all complete as directed by Engineer In-charge.	1.00	11,386.00	No.	11,386.00
65	Providing & fixing co-extruded UV protected Microcell panel System 10mm thick (minimum) Polycarbonated UV installed sheets of Danpalon / SABIC / CE / Tuflite / Rooflite / Neolite make of approved colour with antiglare softline colour on one side to prevent glare in curve or plane shape including all fittings and fixtures such as snap on connector with grip lock double tooth locking mechanism, mill finish aluminium U profile end cap, required flashing at the junction of wall/concrete surface and sheets and other required fittings as per manufacturer specifications etc. all complete as directed by Engineer Incharge.	10.00	4,239.00	Sqm	42,390.00

66	Providing and fixing pre-coated galvanised iron profile sheets 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required etc. all complete as directed by Engineer Incharge.	10.00	699.26	Sqm	6,992.60
67	Providing and fixing in position gypsum board false ceiling with 12mm thick gypsum boards, screwed/fixd to the under structure of suspended G.I grid constructed and suspended from the main ceiling consisting of ceiling section of size 25 x 50 mm maximum c/c distance of 600 x 600mm perimeter channel and intermediate channel at maximum c/c to distance of 1200mm galvanised grid should be fixed to reinforced cement concrete slab. The gypsum board should be fixed to galvanised iron grid with necessary screws. The board should be taped and filled from underside to to give smooth, seamless ceiling. The rate should include necessary additional ceiling section and intermediate channels. Additional intermediate channels should be fixed to strap hangers for additional support to prevent strapping at every 1200mm item to be completed in all respect including necessary sleeves for ducts finishing of joints cut outs and including labour, material, lift and scaffolding at any height etc. all complete as directed by Engineer In-charge.	25.00	1753.29	Sqm.	43,832.25
68	Providing and fixing modular false ceiling of 600mm x 600mm c/c and placing 3mm thick square aluminium composite sheet (also bond sheet) to be fixed on frame work of aluminium section for suspended false ceiling consisting of aluminium T 1" x 1 1/2"(25 x 40mm) weighing 0.259 Kg/m suspended on GI wire at 1200mm c/c, fixed on wall beams, slab including rounding the edge with aluminium T of 1"x 1 1/2" (25mm x 40mm) weighing 0.259kg/m(all aluminium section shall be anodized 15micron or powder coated), making necessary cutout for light and fixtures including all labour, material, lifts and scaffolding etc. all complete as directed by Engineer Incharge .	25.00	2,003.00	Sqm	50,075.00
69	Providing and fixing 35 mm thick Advance / Ravji / approved make Fiberglass Reinforced Plastic (F.R.P.) door shutter in flush or depress design as approved colour shade and wood finish made with fire retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate all around, with suitable wooden blocks inside at required places for fixing of fittings like 100mm SS hinges 3 nos, 200mm SS tadi patti with packing 2no, 150mm SS handles 2 nos on each shutters and polyurethane foam (PUF)/ Polystyrene foam to be used as filler material throughout the hollow panel, casted monolithically etc. all complete as directed by Engineer-In-Charge.	50.00	4719.00	Sqm	2,35,950.00
70	Providing and fixing 30 mm thick Advance / Ravji / approved make Fiberglass Reinforced Plastic (F.R.P.) door shutter in flush or depress design as approved colour shade and wood finish made with fire retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate all around, with suitable wooden blocks inside at required places for fixing of fittings like 100mm SS hinges 3 nos, 200mm SS tadi patti with packing 2no, 150mm SS handles 2 nos on each shutters and polyurethane foam (PUF)/ Polystyrene foam to be used as filler material throughout the hollow panel, casted monolithically etc. all complete as directed by Engineer-In-Charge.	50.00	4344.00	Sqm	2,17,200.00
71	Providing and fixing flush door shutters 35mm thick as per existing pattern or as per site requirements non decorative type with core of block board construction with frame of 1" class hard wood and well matched commercial sumica on both faces of shutter with heavy duty Brass butt hinges powder coated finished of required size 100mm x 25mm with necessary screws, P/F 300mm long heavy duty stainless steel aldrops, Brass handles 150mm for each shutters, 10" long stainless steel toddy bar (tadi patti) 1 no and other require fittings and fixtures etc.all complete as directed by Engineer In-charge.	10.00	3645.00	Sqm	36,450.00

72	Providing and applying two coat of Prime seal of Dr.Fixit over new plaster masonry or RCC surface as per manufacturer specification including scaffolding, preparing the surface by thoroughly cleaning laitance, loose material, oil, grease and other foreign matter with wire brush and vacuum cleaning, including filling the cracks using appropriate exterior putty etc all complete as directed by Engineer In-charge & as per manufactures specifications.	50.00	79.00	Sqm	3,950.00
73	Providing and applying one or more coat of Dr. Fixit Raincoat Universal Base Coat over plaster, masonry or RCC surface of any height and without any dilution at a spreading rate of 3.5 -4.0 sq mtr per litre to achieve about 120-150 microns DFT as per manufacturer specification including preparing the surface by thoroughly cleaning laitance, loose material, oil, grease and other foreign matter with wire brush and vacuum cleaning, filling the cracks using appropriate exterior putty, covering the floor and wall, window glass with plastic sheet during work and cleaning after work including scaffolding and covering the whole treatment with 5 years guarantee / warranty on requisite (Rs-500/-) non-judicial stamp paper etc. all complete as directed by Engineer In-charge. (For vertical surface).	50.00	149.00	Sqm	7,450.00
74	Providing and applying one or more coat of Dr. Fixit Raincoat select Top coat to be apply with interval of 6-8 hours without any dilution at spreading rate of 6.5 sq mtr per litre to achieve about 60 microns DFT. Achieving total DFT of 180 to 210 microns same as existing colour/shade as per manufacturer's specification on plastered surface over concrete / brickwork of any height including scaffolding, cleaning the surface thoroughly, watering the surface etc. Complete including covering the floor and wall, window glass with plastic sheet and cleaning after work and covering the whole treatment with 5 years guarantee / warranty on requisite (Rs-500/-) non-judicial stamp paper etc. all complete as directed by Engineer In-charge. (For vertical surface).	50.00	144.00	Sqm	7,200.00
75	Providing and applying three coats of Dr. Fixit Roof seal coating including preparing surface by pressure washing the surface to remove all algae, mould, dirt, dust, chalking and waste products. All visible hairline cracks more than 0.50mm and not giving hollow sound on the IPS/screed or at the junctions of flat roof & vertical parapet wall, pipe joints, should be cut and widen V shape with mechanical cutter in the size (6mm W x 6mm D) and fill with Dr. Fixit PU Sealant covering the entire area uniformly with suitable gun. Allow sealant to cure a minimum 24 hours. Apply minimum 50mm - 100 mm width 45 GSM Glass Fibre Mesh / non-woven geo textile fleece with the coat of Dr. Fixit Roofseal Select along the length of crack. Apply one coat of Dr. Fixit Primeseal primer dilute with water in the ratio 2:1. Allow it to dry for 2 to 3 hours. Apply 1st coat of Dr. Fixit Roofseal Select at the rate of 2.0 sqmt / litre / coat. An open 45 Gsm glass fibre mesh of 2.5 mm x 2.5 mm must be sandwiched between the first and second coat. While the 1st coat is still wet, place the fibre mesh on it. Allow the first coat to dry for 6-8 hours.	50.00	475.00	Sqm	23,750.00
	Apply second coat of Dr. Fixit Roofseal Select with the same application coverage. Application direction of second coat should be perpendicular to that of the first coat. Allow second coat to dry for 6-8 hours. Apply third coat of Dr. Fixit Roofseal Select at an application direction that is perpendicular to that of the second coat with same application coverage rate. Check to see no void surface is left untreated / uncoated. Allow the system to air cure for 7 days minimum. A total thickness of 1 mm must be achieved when Dr. Fixit Roofseal Select is dry. Work Shall be got executed through certified applicator of the product manufacturing company only and work shall be guarantee/warranty for 03 years by the contractor on requisite (Rs. 500/-) non judicial stamp paper including submitting written guarantee/warranty from said certified applicator etc. all complete as directed by Engineer In-charge.				

76	Providing and erecting at site steel tubular H – frame double scaffolding with bracings to all heights as directed by engineer in charge before commencement of work and removing the same after completion of all external work requiring double scaffolding etc all complete as directed by Engineer In-Charge. The elevational area of the scaffolding shall be measured for payment purpose. The payment will be made once irrespective of duration of scaffolding (till the completion of the work).	200.00	146.00	Sqm	29,200.00
77	Providing and fixing Jute hessian fabric screen over the scaffolding of external/ internal surface as directed including removing the same after the work is over & taking away out of HT campus etc. all complete as directed by Engineer Incharge.	50.00	13.00	Sqm	650.00
78	Providing and fixing P.V.C. rain water pipes 150mm dia. conforming to I.S. including proper rain water receiving recess with P.V.C. plug bend, necessary fittings such as offsets, shoes including fixing the pipe on wall using approved GI brackets projecting 25mm to 40mm from face of wall , filling the joints using rubber gasket with solvent cement and properly resting the shoe of pipes on C.C. or masonry blocks and maintenance for 3 years for any type of leakages or dislocation of pipes. All the PVC fittings and additional two piece socket clips shall be got approved from Engineer In-charge etc. all complete as directed by Engineer Incharge. (Make-Finolex/Kissan/Prince)	50.00	654.00	Rmt	32,700.00
79	Providing and fixing P.V.C. soil / waste water pipes 110mm inner dia. and having wall thickness of 2.5 to 3.2mm conforming to I.S. including with P.V.C. plug bend, necessary fittings such as offsets including fixing the pipe on wall using M.S cleats projecting 25mm to 40mm from face of wall and fixing with clips of approved quality and number or laying the pipe on slab in the concrete, filling the joints with PVC solvent including necessary scaffolding and making connections to existing chambers by drilling hole and make it watertight etc. all complete as directed by Engineer Incharge.	50.00	424.00	Rmt	21,200.00
80	Providing and fixing P.V.C. soil / waste water pipes 75mm inner dia. and having wall thickness of 2 to 3.2 mm conforming to I.S. including with P.V.C. plug bend, necessary fittings such as offsets, tee,elbow including fixing the pipe on wall using approved M.S cleats projecting 25mm to 40mm from face of wall and fixing with clips of approved quality and number or laying the pipe on slab in the concrete, filling the joints using rubber gasket with solvent cement including necessary scaffolding and making connections to existing chambers by drilling hole and make it watertightetc. all complete as directed by Engineer Incharge.	50.00	302.00	Rmt	15,100.00
81	Providing core cutting of any size and depth in reinforcement concrete or any other materials etc. all complete as directed by Engineer In-charge.	2.00	2,000.00	Nos	4,000.00
82	Providing and fixing PE 100 & PN 6 having 225mm dia.(OD) ISI approved HDPE pipes manufactured by ARHAM Engineering/ BERLIA /NOCIL / PIL with wall thickness of 15mm for drainage pipe line with all required fittings etc. with proper line and gradient connecting all joints with fusion butt welding by using suitable welding machine or hot plate etc, testing the line & joints as per manufacturer specification or as per direction of Engineer In-charge etc. all complete as directed by Engineer In-charge.	20.00	1,833.00	Rmt	36,660.00
83	Providing and fixing PE 100 & PN 6 having 150 mm dia.(ID) ISI approved HDPE pipes 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.	25.00	1465.00	Rmt	36,625.00

84	Providing and fixing CP Two way Bib tap with wall flange (CON-CHR-041KN) 15mm size, jaquar make heavy type including necessary fittings and fixtures etc. all complete as directed by Engineer In-Charge.	100.00	1667.00	Nos	1,66,700.00
85	Disposing debris, loose stones, boulders, concrete pieces 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 per instruction of engineer In-charge / his representatives (30% voids will be deducted in case of truck measurement) etc all complete as directed by Engineer Incharge.	5.00	694.00	Cum	3,470.00
Total Amount Rs.					82,73,525.17
Say Rs.					82,73,525.00
At Par					
(In words.....%).....% Above					
(In words.....%).....% Below					
Amount Rs.					
CGST 9%					
SGST 9%					
Net Amount Rs.					
Say Rs.					

(Rupees.....)

(Rates for all items & net amount of total to be filled with figure and words. If it is not done, it will be assumed as incomplete tender & tender opening committee will reject your offer at the time of opening of tenders/quotations).

Note:

- 1) 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.
- 2) This schedule of work is legal documents of Estate Office, IIT Bombay and directed to enlisted contractors to get the copy of schedule of work to fill the rates and can submit his offer. No changes in schedule of work is allowed i.e. item description, units, quantity, rates, etc. If noticed his offer will be rejected and the contractor will be blacklisted or any other strict action will be initiated against him.
- 3) This work is to be executed as per 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) Tender will be rejected if white ink applied for correction in the schedule of work.
- 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.

R. K. Gupta
29/09/2025

Superintending Engineer (I/C)

[Signature]

Signature of the Contractor
Name & Address in full