

# University of Mumbai

पायाभूत सुविधा नियोजन,  
अंमलबजावणी व देखभाल विभाग,  
मुंबई विद्यापीठ,  
मुख्य इमारत, खोली क्रमांक ११८,  
पहिला मजला, महात्मा गांधी रोड,  
फोर्ट, मुंबई, महाराष्ट्र - ४०० ०३२  
ई-मेल : cdu@mu.ac.in



IPEMD/ 2022-23

Infrastructure Planning, Execution  
and Maintenance department,  
University of Mumbai,  
Main Building, R. No. 118, 1<sup>st</sup> floor,  
Mahatma Gandhi Road, Fort,  
Mumbai, Maharashtra - 400 032  
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Ref. No.- CDU/01-COVID 294 of 2022-23

Date : 06/05/2022

## TENDER NOTICE


Wax sealed tenders are invited by the University Engineer, University of Mumbai for following work :

- |   |   |   |   |
|---|---|---|---|
| 1 | Name of work  | : | Renovation of ladies toilet in Main building, 1 <sup>st</sup> floor, Fort Campus, University of Mumbai  |
| 2 | Cost put to tender                                  | : | Rs. 2,56,313/- (Rupees Two Lakh Fifty Six Thousand Three Hundred Thirteen Only) excluding all the taxes |
| 3 | Cost of Tender form                                 | : | Rs. 224/- (200 + 12% GST)   |
| 4 | Date for issuing of tender form                     | : | 07/05/2022 after 11:00 AM   |
| 5 | Last date for issuing and submission of tender form | : | 14/05/2022 before 01:00 PM  |
| 6 | Place and time for payment of tender form fees      | : | University cash counter, Fort Campus  |
| 7 | Place and time of availability of 'Tender'          | : | Office of University Engineer, Fort Campus.   |
| 8 | Place for submission of 'Tender'                    | : | Office of University Engineer, Fort Campus.   |
| 9 | Period within which work is to be done              | : | 15 days after issue of work order   |

The blank tender form (Schedule "B") must be submitted and details such as (i) Tender Fee Receipt No. & Date must invariably be written on it.

The contractor in the field should be PWD registered. The rate should be exclusive of all the taxes. Any over writing in tender document leads to rejection of tender. Please note that, if any damages are done to electrical wiring, cabling etc. and internal, external pipeline during the repairing work shall be rectified / replaced by the contractor immediately at his own expense. University of Mumbai will not be responsible for any postal delay/loss in transit.

University Engineer reserves the right to reject all the tenders or any tender without assigning any reasons therefore and to relax or waive any of the condition stipulated in any of the tender that may be issued wherever necessary.

  
(S.V. Rane)  
University Engineer  
IPEMD, Fort/Kalina  
University of Mumbai



Estimate

Name of work : Repair and Renovation of Ladies Toilet in Main Building on First floor, University of Mumbai

Sr. No.	SSR 2021-22 - Item No.	Qty.	Description	Unite	Rate	Add 5% in rate For Corporation Areas	Amount
1	46.15	3.00	Removing doors and windows with frame sand stacking the materials as directed with all leads, lifts etc. complete.	No.	147.00	154.35	463.05
2	46.4	2.00	Removing urinal pans or wash hand basins with frame including disconnecting the sanitary and water supply connections, removing the same carefully and stacking the serviceable materials as and where directed including throwing the unserviceable materials outside etc complete	No.	90.00	94.50	189.00
3	46.41	2.00	Removing W.C.pans including disconnecting the sanitary and water supply connections, removing and breaking flooring and bed concrete around pan removing the same carefully and stacking the serviceable materials as and where directed including throwing the un serviceable materials out side etc. carefully and throwing out the refusal outside etc. complete	No.	195.00	204.75	409.50
4	46.19	43.89	Removing cement tiles, or marble or polished shahabad floor or dado with out bed concrete including tacking the materials as directed with all leads, lifts etc. complete	Sqm.	42.00	44.10	1,935.76
5	32.33	24.51	Removing the existing cement plaster of any thickness without causing dust nuisance and stacking the debris up to a distance of 50 metres or spreading in the compound and cleaning the site etc. complete.	Sqm.	49.00	51.45	1,260.99
6	46.14	1.86	Removing brick bat coba including stacking the spoils as directed with all leads, lifts etc, complete	Cum.	596.00	625.80	1,164.63
7	31.26	1.86	Providing waterproofing in W.C. and bath including brick bat coba in all position including providing and laying 12mm bedding in cement mortar 1:3 on vergin concrete slab with waterproofing compound @1Kilogram/per bag of cement laying brick bat coba of required thickness in cm1:5 with waterproofing compound 1Kilogram/bag of cement grouting and finishing the top layer with 20mm thick brick bedding in cm mortar 1:3 with waterproofing compound 1Kilogram/per bag of cement and testing the treated portion for 48 hours by pond test and covering ten years' guarantee on requisite stamp paper including curing etc.	Cum.	5,908.00	6,203.40	11,544.65
8	31.01	9.31	Providing and laying damp proof course 50mm thick in M20 cement concrete laye and bitumen/using cement with waterproofing compound curing, formwork etc. complete	Sqm.	404.00	424.20	3,947.22


9	Non DSR2019- 20 / 3040- 101.03	2.92	Breaking/ Chipping carefully the loose concrete / plaster of distressed member without damaging existing strong concrete by means of sharp chissle which should tempered regularly or high frequency low impact hammers used, cleaning the surface by water jet pressure pump at 4 to 5 kg/ sqcm pressure to remove chlorides and loose particles, air drying the surface etc. The work should be carried out with all the safety measures like helmet, safety belt and adequate labour insurance under the supervision of qualified supervisor. (The damaged area of member / concrete will be measured) etc complete.	Sqm.	112.00	112.00	326.59
10	52.35	2.92	Removing loose rust from the reinforcement bars by wire brushing, light hammering etc. and applying sulphate and chloride free in organic single component rust remover Rusticide as approved by Engineer in charge conforming to IS9077. The rusted surface shall be come black is non rusted colour. After 24 hours of application of rust remover, loose particles shall be removed by brush. Apply one more coat of Rusticide. Apply bonding coats lurry of high per for manceacry licopolymer- Methyl-2-methyl propenoate copolymer with an other enoate as approved by Engineer in charge entire surface. Mix 1Kg of acrylic polymer with 0.5Kg of cement. Finish it with ready to use pair polymer modified mortar based on special cements, aldehyde based polymer with thixotropy modifying agent as approved by Engineer in charge (The Polymer Modified Mortar (PMM) should attain min. compressive strength of 20N/mm <sup>2</sup> in 1 day and 30N/mm <sup>2</sup> in 7 days) by adding 13-16% water by weight to polymer modified mortar for treatment to the damaged RCC members. Add 1Kg of Migrating Corrosion Inhibiting Admixture as approved by Engineer in charge per 25Kg bag of polymer modified mortar. After mixing polymer modified mortar, it can be trowel applied or sprayed. When applying by hand, polymer modified mortar must be forced tightly into the substrate to ensure complete contact with the substrate. (If scaffolding is required, same shall be provided and will be paid under relevant item) (Upto 15 mm thickness at a time).	Sqm.	2,184.00	2,293.20	6,686.97
11	52.36	2.92	Removing loose rust from the reinforcement bars by wire brushing, light hammering etc. and applying sulphate and chloride free in organic single component rust remover Rusticide as approved by Engineer in charge conforming to IS9077. The rusted surface shall be come black is non rusted colour. After 24 hours of application of rust remover, loose particles shall be removed by brush. Apply one more coat of Rusticide. Apply bonding coats lurry of high per for manceacry licopolymer- Methyl-2-methyl propenoate copolymer with an other enoate as approved by Engineer in charge entire surface. Mix 1Kg of acrylic polymer with 0.5Kg of cement. Finish it with ready to use pair polymer modified mortar based on special cements, aldehyde based polymer with thixotropy modifying agent as approved by Engineer in charge (The Polymer Modified Mortar (PMM) should attain min. compressive strength of 20N/mm <sup>2</sup> in 1 day and 30N/mm <sup>2</sup> in 7 days) by adding 13-16% water by weight to polymer modified mortar for treatment to the damaged RCC members. Add 1Kg of Migrating Corrosion Inhibiting Admixture as approved by Engineer in charge per 25Kg bag of polymer modified mortar. After mixing polymer modified mortar, it can be trowel applied or sprayed. When applying by hand, polymer modified mortar must be forced tightly into the substrate to ensure complete contact with the substrate. (If scaffolding is required, same shall be provided and will be paid under relevant item) (Upto 15 mm thickness at a time).	Sqm.	1,457.00	1,529.85	4,461.04
12	32.01	9.72	Providing internal cement plaster 6mm thick in a single coat in cement mortar 1:4 with out neeru finish to concrete surface in all positions including scaffolding and curing etc. complete.	Sqm.	191.00	200.55	1,949.35

	2.06	14.79	Providing internal cement plaster 20mm thick in Single coats in cement mortar 1:5 with out neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. complete	Sqm.	359.00	376.95	5,574.71
14	31.06	34.59	Providing water proof plaster in W.C.and bath 12mm thick for dado in cement mortar1:3 with neat finishing, floating using waterproofing compound at the rate of 1Kilogram.per bag of cement of approved make and manufacturer and curing etc. complete. (Excluding Tiles) (As directed by Engineer In Charge	Sqm.	363.00	381.15	13,183.86
15	33.42	6.60	Providing and laying vitrified matt finish tile shaving size 590 mm to 605 mm x to 605 mm of 8 to10 mm thickness and confirming IS.15622-2006(GroupBla) of approved make,shade and pattern for flooring in required position laid on a bed of 1:4 cement morar including neat cement float,filling	Sqm.	1,579.00	1,657.95	10,938.99
16	33.26	34.59	Providing and laying ceramic tiles having size 30 cm. x 45 cm. confirming to corresponding I.S. for dado and skirting in required position with ready made adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. complete	Sqm.	1,249.00	1,311.45	45,362.66
17	33.25	2.71	Providing and laying ceramic tiles of having size 30cm.x30cm.and confirming to corresponding I.S.for dado and skirting in required position with eady made adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. complete	Sqm.	1,226.00	1,287.30	3,484.98
18	41.78	1.17	Providing and constructing granite kitchen platform with fixing of stainless steel sink 600 mm x 450 mm size as per detailed drawing including vertical both side polished kadappa stone 25 to30 mm thick supports with kadappa top 35to40 mm thick and polished granite 16 to 20 mm to pwith sides trips of granit eat front and both sides of platform raised with two vertical granite supports 15 cm height and top granite of 75x40 cm including cutting,opening for sink of required size in kadappa as wellas granite etc. complete. (Platform top size 5.00 m x 0.60 m and height is 0.75 m)	Sqm.	9,675.00	10,158.75	11,885.74
19	33.68	5.07	Providing and laying telephone black/AmbaWhite/Cadburybrown/Rubyred/Ocean Brown granite stone of 18 to 20 mm thick or door frame/dado/windowboxingetc.OnC.M.1:6including filling joints with polymer base filler nosing/moulding the sharp edges wherever necessary, curing, etc. complete	Sqm.	4,354.00	4,571.70	23,180.35
20	42.88	2.00	providin gand fixing oval type under counter wash hand basin of 16inchx22inch size and of special colour shade having telephonic black/coloured granite of 180 mm thick stone black kadappa frame work including chromium plated coupling bottle-Trapusing CERA company or equivalent to valtypaw as hbasinmodelno 3448 as perdetailed drawing or	No.	10,458.00	10,980.90	21,961.80
21	42.35	1.00	Providing and fixing orissa type colour glazed earthen ware 625x450mm.w.c.pan including trap,C.I.soil and vent pipe up to the out side face of wall including 100mm.dia.C.I.plug,bend,15mm.thick 10 litre PVC flushing cistern with all necessary pipe connection etc. complete	No.	9,229.00	9,690.45	9,690.45
22	42.86	1.00	Providing and fixing European type wall-hung white water close of approved make with pushvalve concealed type with cover plate 32mm size of approved make includings oil pipe,vent pipe up to out side face of wall,100 mm dia.G.I.plug be ndinlet pipe all fittings,cutting and making good walls,floors etc.	No.	12,391.00	13,010.55	13,010.55

23	43.24	2.00	Providing and fixing high level 10 liter capacity with fittings inlet PVC pipe with stop tap, brackets for fixing the cistern, 32mm dia. PVC flush pipe with fitting and clamps 20 mm dia. PVC over flow pipe with mosquito proof couplings, galvanised iron chain and pulley painting if order ed to cistern pipe etc. and cutting and making good the damaged wall and testing etc. complete (Prior approval of sample and brand)	No.	1,244.00	1,306.20	2,612.40
24	41.80	2.00	Providing and fixing 10 cm C.I. Nahan! Trap including C.I. grating bend and piece of C.I. pipe up to the out side face of the wall complete.	No.	1,104.00	1,159.20	2,318.40
25	Non DSR2019-20 / 3040-109.35	2.00	Mirror 16x16	No.	2,875.00	2,875.00	5,750.00
26	42.82	2.00	Providing and fixing C.P. pillar cock long neck with aerat or of approed make including necessary sockets/union nut etc. complete.	No.	1,338.00	1,404.90	2,809.80
27	42.80	2.00	Providing and fixing C.P. Two way BIB cock of approved make continental including necessary sockets/union nut etc. complete.	No.	1,342.00	1,409.10	2,818.20
28	42.79	2.00	Providing and fixing C.P. Angular stop clock with wall flange of approved make continental including necessary sockets/union nut etc. complete.	No.	2,671.00	2,804.55	5,609.10
29	SSR 21-22 /385	2.00	super jet spray with flange 2 in 1 faucet 1.50 metre long	No.	460.00	483.00	966.00
30	41.10	9.35	Providing and fixing on walls/ceiling/floors, 15 mm dia. heavy grade having embossed as ISI Mark galvanised iron pipes weigh to f1.48 Kilogram/metre with necessary fittings. remaking good the demolished portion and applying primer of anti-corrosive oil paint 2 coats Including necessary scaffolding and removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. Comple.	Rmt.	405.00	425.25	3,976.09
31	42.27	4.70	Providing, laying and fixing P.V.C. pipe of 75 mm dia. with fittings such as bends, tees, reducers, clamps, etc. including necessary excavation, trench filling etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete	Rmt.	390.00	408.50	1,919.95
32	Non DSR2019-20 / 3040-102.06	4.91	Doors : Providing and fixing full height door shutter at required location having height more than 1.5m made by using solid core commercial type flush doors 35 mm thick of requisite manufacture equivalent with formica laminate sheet finished lamination pattern with or without grooves externally with necessary (BTC) moulding, antitermite treatment to plywood and wood work including all leads and lifts complete as per Architects Drawing and instruction of Engineer in-charge etc. complete	Sqm.	4,229.00	4,229.00	20,762.70
33	32.34	24.51	Providing and applying Two coats of wall care Putty on plastered surface and Ceiling and Walls to prepare surface even and smooth of approved make, etc complete	Sqm.	87.00	91.35	2,238.90
34	36.11	9.72	Providing and applying washable oil-bound distemper of approved colour and shade to old and new surfaces in two coats including scaffolding, preparing the surfaces. (excluding the primer coat.) etc. complete.	Sqm.	43.00	45.15	438.86

36.14	14.79	Providing and applying plastic emulsion paint of approved quality, colour and shade to new surface in threecoats including scaffolding, preparing the surface. (excluding primer coat) etc. complete.	Sqm.	100.00	105.00	1,552.85
36	39.68	2.11 Providing and fixing in position powder coated aluminium louvered windows/ventilator of various sizes with powder coating as per detailed drawing and specifications including aluminium frames 80x38mm x 1.22 mm box type, 5 mm thick sheet glass louvers, of approved quality etc. complete	Sqm.	3,107.00	3,263.35	6,871.31
37	4.26	Removing any kind of debris	Cum.	718.10	718.10	3,055.63
<b>Total</b>						<b>2,56,313.01</b>
Add. For 12% GST						30,757.56
0.50% Labour insurance						12,815.65
<b>Grand Total</b>						<b>2,99,886.23</b>

Estimate prepared & checked by:

  
**Junior Engineer (Civil)**  
**University of Mumbai**

  
**University Engineer**  
**University of Mumbai**

We quote \_\_\_ % i.e. \_\_\_\_\_ percentage (in words)  
 above/below/at par than estimated cost of Rs. 2,56,313/-

Rubber stamp of firm

(Signature of Contractor)