

**UNIVERSITY OF KERALA
ENGINEERING UNIT, KARIAVATTOM**

Tender schedule for Urgent renovation works in the toilet of first floor, for arresting the leakages of the waste water through the walls of the HOD 's room in the Demography Department at Kariavattom Campus.

Sl.No.	Quantity	Specification	Unit	Rate	Rate in words	Amount
1	30.00	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	m2	43.52	Rupees Forty Three and ps Fifty Two Only	1,305.60
2	1.00	Demolishing cement concrete manually / by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in-Charge. Nominal concrete 1:4:8 leaner mix (including equivalent design mix)	m3	848.48	Rupees eight hundred forty eight and forty eight paisa only	848.48
3	1.50	Demolishing lime concrete manually / by mechanical means and disposal of material within 50 metres lead as per direction of Engineer - in- Charges.	m3	480.41	Rupees four hundred eighty and forty one paisa only	720.62
4	3.00	Labour engaged for dismantling the PVC doors carefully and stacking the same and refixing the same in position after completing the tile work etc.	Day	780.20	Rupees seven hundred eighty and twenty paisa only	2,340.60
5	2.00	Dismantling and removing water closet squatting pattern (Indian WC pan) and existing PVC/GI pipes carefully for reuse and removing the debris within a distance of 50m, complete as per the direction of the Engineer	E	312.96	Rupees three hundred twelve and ninety six paisa only	625.92

6	3.00	Dismantling and removing damaged wash basin and stacking undamaged fittings for reuse and removing debris within a distance of 50m	E	273.95	Rupees two hundred seventy three and ninety five paisa only	821.85
7	25.00	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. This layer will be allowed to air cure for 4 hours. b) Second layer of slurry of cement @ 0.242 kg /sqm mixed with water proofing cement compound @ 0.126 kg/ sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	m2	411.45	Rupees four hundred eleven and forty five paisa only	10,286.25
8	5.00	12 mm cement plaster finished with a floating coat of neat cement of mix: 1:3 (1 cement : 3 fine sand)	m2	312.83	Rupees three hundred twelve and eighty three paisa only	1,564.15
9	25.00	9 mm cement plastering of mix : 1:3 (1 cement : 3 fine sand) including all cost of materials, labour charges etc complete	m2	222.89	Rupees two hundred twenty two and eighty nine paisa only	5,572.25
10	1.00	Filling the floor of the toilet with 20 mm broken stone for raising the floor height	m3	2112.58	Rupees two thousand one hundred twelve and fifty eight paisa only	2,112.58
11	2.60	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:2:4 (cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal	m3	7561.25	Rupees seven thousand five hundred sixty one and twenty five paisa only	19,659.25
12	10.00	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer), of approved make,	m2	1027.30	Rupees one thousand twenty seven and thirty paisa only	10,273.00
13	10.00	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours such as White, Ivory, Grey,	m2	949.44	Rupees nine hundred forty nine and forty four paisa only	9,494.40
14	3.00	Supplying and fixing PVC floor trap 110x63mm	E	509.06	Rupees five hundred nine and six paisa only	1,527.18

15	1.00	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm Sand Cast Iron P or S trap, 10 litter low level white P.V.C.flushing cistern, including flush pipe, manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever require:	E	4819.55	Rupees four thousand eight hundred nineteen and fifty five paisa only	4,819.55
16	1.00	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:	E	4715.41	Rupees four thousand seven hundred fifteen and forty one paisa only	4,715.41
17	3.00	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Flat back wash basin size 550x400mm with single 15 mm C.P.brass pillar taps	E	2506.67	Rupees two thousand five hundred six and sixty seven paisa only	7,520.01
18	5.00	Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge. Concealed work, including cutting chased and making good the wall etc. 110 mm pipe 6kgf/cm ²	m	590.94	Rupees five hundred ninety and ninety four paisa only	2,954.70
19	10.00	Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge. Concealed work, including cutting chases and making good the wall etc. 25 mm pipe 12 kgf/cm ²	m	333.61	Rupees One Thousand Six Hundred and Eighty Five and ps Fifty Six Only	3,336.10

20	5.00	Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge. Concealed work, including cutting chases and making good the wall etc. 32 mm pipe 10Kgf/cm ²	m	339.61	Rupees three hundred thirty three and sixty one paise only	1,698.05
21	3.00	Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge. Concealed work including cutting chases and making good the wall etc. 63 mm pipe 6 Kgf/cm ²	m	477.54	Rupees four hundred seventy seven and fifty four paise only	1,432.62
22	5.00	Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge. Concealed work, including cutting chases and making good the wall etc. 75 mm pipe 6 Kgf/cm ²	m	490.94	Rupees four hundred ninety and ninety four paise only	2,454.70
23	6.00	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS: 8931 15 mm nominal bore	E	656.13	Rupees six hundred fifty six and thirteen paise only	3,936.78
24	1.00	110 mm PVC Y junction	E	293.00	Rupees two hundred ninety three and zero paise only	293.00
25	10.00	Supplying and fixing CP flange wherever required, complete	E	42.38	Rupees forty two and thirty eight paise only	423.80
26	2.00	Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110 mm dia Elbow	E	102.50	Rupees one hundred two and fifty paise only	205.00
27	2.00	Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement-110 mm dia Door Elbow	E	126.9	Rupees one hundred twenty six and ninety paise only	253.80
28	1.00	Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110x110x110 mm dia Door tee	E	182.23	Rupees one hundred eighty two and twenty three paise only	182.23

29	1.00	Providing and fixing PVC moulded fittings /accessories for Rigid PVC pipes, including jointing with PVC solvent cement -110 mm dia Vent cowl	E	118.75	Rupees one hundred eighteen and seventy five paisa only	118.75
30	3.00	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms. 15 mm nominal bore	E	679.37	Rupees six hundred seventy nine s and thirty seven paisa only	2,038.11
31	1.00	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms ☐	E	583.03	Rupees five hundred eighty three and three paisa only	583.03
32	2.00	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape 453x357 mm	E	1038.34	Rupees one thousand thirty eight and thirty four paisa only	2,076.68
33	40.00	Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture including applying additional coats wherever required, to achieve even shade and colour. One coat	m2	68.07	Rupees sixty eight and seven paisa only	2,722.80
34	15.00	Distempering with dry distemper of approved brand and manufacture (one or more coats) and of required shade on old work to give an even shade.	m2	41.45	Rupees forty one and forty five paisa only	621.75

35	8.00	Painting with synthetic enamel paint, having VOC (Volatile Organic Compound) content less than 150 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. One coat	m2	68.69	Rupees sixty eight and sixty nine paise only	549.52
		Total				110,088.52

PAC Rs.1,10,088/- (Rs. One lakhs Ten Thousand and Eighty Eight only)

1. I/We agreed to execute the work.

2.% above the estimate rate.

2.% below the estimate rate.

3. At the estimate rate.

CONTRACTOR

**sd/-
UNIVERSITY ENGINEER**