

UNIVERSITY OF KERALA

SUBDIVISION II KARIAVATTOM

TENDER SCHEDULE FOR THE TOILET MAINTENANCE WORK IN PG MEN'S HOSTEL AT KARIYAVATTOM CAMPUS.

Sl. No	Item Description	Qty	Unit	Rate / Unit	Rate in Words	Amount
1	od186905/2021_2022 Labour charged for removing the shutter and dislocated frame of PVC door and fitting the frame back in position using new screws and other accessories, including fixing back the shutter complete	6	each	791.53	Seven hundred and Ninety one Rupees and Fifty Three Paise only	4749.18
2	od186935/2021_2022 Dismantling damaged PVC door frame and shutter, including stacking serviceable material within 50m lead complete	8	each	408.21	Four hundred and Eight Rupees and Twenty One Paise only	3265.68
3	od187034/2021_2022 Supplying and fixing best quality PVC door frame 40 x 46 x 2 mm hollow sections of approved brand fixed to the walls with necessary screws including all necessary materials and labour charges for fixing etc. complete	34	m	301.10	Three hundred and One Rupees and Ten Paise only	10357.84
4	od187060/2021_2022 Supplying and fixing best quality 24 mm factory made PVC door shutter of standard size and approved brand to the existing PVC frame with wall thickness 2 mm for styles and rails mitred and jointed at the corners by means of brackets and stainless steel screws. The shutter frame filled with a PVC multi chambered single panel having overall thickness of 20 mm and 1 mm wall thickness including all charges etc. complete.	11	sqm.	2894.69	Two Thousand Eight hundred and Ninety Four Rupees and Sixty nine Paise only	30428.98

5	17.18.1 Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS: 7231, with all fittings and fixtures complete. 10 litre capacity - White	1	each	1177.06	One Thousand One hundred and Seventy Seven Rupees and Six Paise only	1177.06
6	18.50.1 Providing and fixing C.P brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore	12	each	728.39	Seven hundred and Twenty Eight Rupees and Thirty Nine Paise only	8740.68
7	18.22.1 Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet: 100 mm diameter	4	each	178.78	One hundred and Seventy Eight Rupees and Seventy Eight Paise only	715.12
8	18.16.1 Providing and fixing brass stop cock of approved quality : 15 mm nominal bore	3	each	356.13	Three hundred and Fifty Six Rupees and Thirteen Paise only	1068.39
9	17.23 Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm or 340x410x265 mm sizes respectively.	4	each	1529.93	One Thousand Five hundred and Twenty Nine Rupees and Ninety three Paise only	6119.72
10	17.28.1.1 Providing and fixing P.V.C. waste pipe for sink or wash basin including PVC. waste fittings complete. Semi rigid pipe 32 mm dia	7	each	103.25	One hundred and Three Rupees and Twenty Five Paise only	722.75
11	od189153/2021_2022 Rectifying the leaks in urinal, washbasin, Water closet, Pipe connections, etc. and carrying out necessary plumbing works	6	each	1162.26	One Thousand One hundred and Sixty Two Rupees and Twenty Six Paise only	6973.56

12	od190127/2021_2022 Dismantling and removing damaged wash basin and stacking undamaged fittings for reuse and removing debris within a distance of 50m	2	each	499.39	Four hundred and Ninety nine Rupees and Thirty Nine Paisa only	998.78
13	od190128/2021_2022 Dismantling and removing EWC and existing PVC/GI pipes carefully for reuse and removing the debris within a distance of 50m, including placing back in position when required complete as per the direction of the Engineer	2	each	528.37	Five hundred and Twenty Eight Rupees and Thirty Seven Paisa only	1056.74
14	15.2.1 Demolishing cement concrete manually / by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in-Charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design	1.1	cum.	2045.12	Two Thousand and Forty Five Rupees and Twelve Paisa only	2321.21
15	od190455/2021_2022 Labor engaged for removing the existing PVC pipes from the toilets and bath rooms	1	each	878.78	Eight hundred and Seventy Eight Rupees and Seventy Eight Paisa only	878.78
16	od190475/2021_2022 Dismantling mosaic/ceramic tiles in floor and wall laid in cement mortar including stacking material within 50 metres lead.	34	sqm.	64.57	Sixty Four Rupees and Fifty Seven Paisa only	2200.61

17	<p>14.91.1 Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3 mm thick water proofing membrane, black finished reinforced with nonwoven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufacture of density at 25 degree, 0.87-0.89 kg/ litre and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be laid using Butane Torch and sealing all joints etc, and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23 degree as 650/ 450N/ 5cm. Tear strength in longitudinal and transverse direction as 300/250N. Softening point of membrane not less than 150 degree. Cold flexibility shall be upto -2degree when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane : 3 mm thick</p>	12	sqm.	629.75	Six hundred and Twenty Nine Rupees and Seventy Five Paisa only	7708.77
18	od190528/2021_2022 Labor engaged for grew cutting (For water proofing)	1	each	1069.34	One Thousand and Sixty Nine Rupees and Thirty Four Paisa only	1069.34
19	13.16.1 6 mm cement plaster of mix: 1:3 (1 cement : 3 fine sand)	7.6	sqm.	267.59	Two hundred and Sixty Seven Rupees and Fifty Nine Paisa only	2023.25

20	<p>4.2.3 Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor, etc. up to floor five level, excluding the cost of centering, shuttering and finishing: 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)</p>	1.1	cum.	10069.46	Ten Thousand and Sixty Nine Rupees and Forty Six Paisa only	11428.84
21	<p>od191663/2021_2022 Providing and laying vitrified tiles (floor and wall) in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge. Size of Tile 600x600mm</p>	34	sqm.	2039.03	Two Thousand and Thirty Nine Rupees and Three Paisa only	69492.18
22	<p>50.18.8.3.2 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 10kgf/cm²</p>	10	m	420.83	Four hundred and Twenty Rupees and Eighty Three Paisa only	4208.30

23	50.18.8.7.2 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 4 kgf/ cm2	10	m	566.80	Five hundred and Sixty Six Rupees and Eighty Paise only	5668.00
24	50.18.8.9.2 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. 110 mm pipe 4 kgf/cm2	10	m	672.90	Six hundred and Twenty Seven Rupees and Ninety Paise only	6729.00
25	50.18.9.13.2 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 25 mm dia 10 Kgf/cm2- External work - Exposed on wall	10	m	275.89	Two hundred and Seventy Five Rupees and Eighty Nine Paise only	2758.90
26	50.18.9.17.2 Providing and fixing PVC pipes including fixing the pipe with clamps/clips 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 63 mm dia 4 Kgf/cm2- External work - exposed on wall	10	m	225.60	Two hundred and Twenty Five Rupees and Sixty Paise only	2256.00

27	50.18.9.19.2 Providing and fixing PVC pipes including fixing the pipe with clamps/clips 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 110 m dia 4 Kgf/cm ² - External work - Exposed on wall	10	m	331.70	Three hundred and Thirty One Rupees and Seventy Paise only	3317.00
28	50.18.9.20.1 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 63 mm dia Elbow	4	no	72.95	Seventy Two Rupees and Ninety Five Paise only	291.80
29	50.18.9.20.2 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 63 dia 45 degree Elbow	4	no	64.20	Sixty Four Rupees and Twenty Paise only	256.80
30	50.18.9.20.3 Providing and fixing PVC moulded fittings /accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 63 mm dia Door Elbow	4	no	80.50	Eighty Rupees and Fifty Paise only	322.00
31	50.18.9.20.4 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 63 mm dia Bend	4	no	79.30	Seventy Nine Rupees and Thirty Paise only	317.20
32	50.18.9.20.5 Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes including jointing with PVC solvent cement - 63x63x63 mm dia Tee	4	no	86.10	Eighty six Rupees and Ten Paise only	344.40
33	50.18.9.20.6 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 63x63x63 mm dia Door Tee	4	no	94.25	Ninety Four Rupees and Twenty Five Paise only	377.00

34	50.18.9.20.9 Providing and fixing PVC moulded fitting / accessories for Rigid PVC pipes, including jointing with PVC solvent cement-63 mm dia Socket /coupling	4	no	66.55	Sixty six Rupees and Fifty Five Paisa only	266.20
35	50.18.9.22.1 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110 mm dia Elbow	4	no	107.63	One hundred and Seven Rupees and Sixty Three Paisa only	430.52
36	50.18.9.22.2 Providing and fixing PVC moulded fittings / accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110 mm dia 45 degree Elbow	4	no	105.33	One hundred and Five Rupees and Thirty Three Paisa only	421.32
37	50.18.9.22.3 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement-110 mm dia Door Elbow	4	no	132.03	One hundred and Thirty Two Rupees and Three Paisa only	528.12
38	50.18.9.22.4 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement-110 mm dia Bend	4	no	161.08	One hundred and Sixty One Rupees and Eight Paisa only	644.32
39	50.18.9.22.5 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes including jointing with PVC solvent cement 110x110x110 mm dia Tee	4	no	174.79	One hundred and Seventy Four Rupees and Seventy Nine Paisa only	699.16
40	50.18.9.22.6 Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110x110x110 mm dia Door tee	4	no	187.59	One hundred and Eighty Seven Rupees and Fifty Nine Paisa only	750.36

41	50.18.9.22.7 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110x110x75 mm dia Door Tee	4	no	180.64	One hundred and Eighty Rupees and Sixty Four Paisa only	722.56
42	50.18.9.22.9 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110 mm dia offset	4	no	164.53	One hundred and Sixty Four Rupees and Fifty Three Paisa only	658.12
43	od191694/2021_2022 Supplying and fixing PVC floor trap 110x63mm	2	each	505.54	Five hundred and Five Rupees and Fifty Four Paisa	1011.08
44	17.2.1 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: W.C. pan with ISI marked white solid plastic seat and lid	2	each	6192.67	Six Thousand One hundred and Ninety Two Rupees and Sixty Seven Paisa only	12385.34
45	17.7.2 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 Wash basin size 630 x 450 mm with a single 15 mm C.P. brass pillar tap	2	each	3238.50	Three Thousand Two hundred and Thirty Eight Rupees and Fifty Paisa only	6477.00
46	18.53.1 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	8	each	626.22	Six hundred and Twenty Six Rupees and Twenty two Paisa only	5009.76

47	50.17.1.4 Supplying and fixing CP Health faucet good quality including cost of materials and labour charges etc. complete as per the direction of site engineer-in-charge.	10	no	758.12	Seven hundred and Fifty Eight Rupees and Twelve Paise only	7581.20
48	18.58.2.1 Providing and fixing PTMT grating of approved quality and colour. Rectangular type with openable circular lid 150 mm nominal size square 100 mm diameter of the inner hinged round grating	10	no	198.91	One hundred and Ninety Eight Rupees and Ninety One Paise only	1989.10
TOTAL:						239918.02
GRAND TOTAL after round off:						239918.00

(Rupees Two Lakh Thirty Nine Thousand Nine Hundred and Eighteen only)

I / Weagree to undertake the above mentioned work:-

- 1) At the estimate rate.
- 2) At% below the estimate rate.
- 3) At% above the estimate rate.

Rate should be quoted both in figures and words

CONTRACTOR

ASSISTANT EXECUTIVE ENGINEER II