

UNIVERSITY OF KERALA

ENGINEERING UNIT, KARIAVATTOM

TENDER SCHEDULE FOR CONVERTING THE EXISTING ATTACHED TOILET AND CONSTRUCTION OF RAMP FOR PROVIDING BARRIER FREE ENVIRONMENT ACCESSIBLE TO PERSONS WITH DISABILITY IN UNIVERSITY WOMEN'S HOSTEL, THYCAUD FOR THE IMPLEMENTATION OF NEW UGC SCHEME 'BARRIER FREE EDUCATION'

SI No	Qty	Unit	Description of Item	unit	Rate	Rate in words	Amount
1	5	m	Providing and fixing factory made uPVC door frame made of uPVC extruded sections having an overall dimension as below (tolerance $\pm 1\text{mm}$), with wall thickness 2.0mm ($\pm 0.2\text{mm}$), corners of the door frame to be jointed with galvanised brackets and stainless steel screws, joints mitred and plastic welded. The hinge side vertical of the frames reinforced by galvanised M.S. tube of size 19x19mm and 1mm ($\pm 0.1\text{mm}$) wall thickness and 3 numbers stainless steel hinges fixed to the frame complete as per manufacturer's specification and direction of Engineer-in-charge - Extruded section profile size 48x40mm.	m	275.38	Rupees Two hundred and seventy five and Paise thirty eight only	1,376.90

2	3	m ²	Providing and fixing to existing door frames. 24mm thick factory made PVC door shutters made of styles and rails of a uPVC hollow section of size 59x24mm and wall thickness 2mm (±0.2mm) with inbuilt edging on both sides. The styles and rails mitred and jointed at the corners by means of M.S. galvanised/plastic brackets of size 75x220mm having wall thickness 1.0mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 20x20mm and 1mm (±0.1mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x24mm and 2mm (±0.2mm) wall thickness, fixed to the shutter styles by means of plastic/galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620mm, having overall thickness of 20mm and 1mm (±0.1mm) wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer in charge.	m ²	3,651.06	Rupees Three thousand six hundred and fifty one and Paise six only	10,953.18
3	16	m ²	Providing and fixing first quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-charge	m ²	1,095.17	Rupees One thousand ninety five and Paise seventeen only	17,522.72
4	6	m ²	Providing and laying ceramic anti skid floor tiles of size 300x300mm (thickness to be specified by the manufacturer), of first quality conforming to IS: 15622, of approved make, in all colours, shades, except white, ivory, grey, fume red brown, laid on 20mm thick bed of cement mortar 1:4 (1 cement : 4 coarse sand), including pointing the joints with white cement and matching pigments etc. complete.	m ²	1,150.99	Rupees One thousand One hundred and fifty and Paise ninety nine only	6,905.94

5	1	Nos.	Providing and fixing wash basin with C.I. brackets, 15mm 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 15mm C.P. brass pillar	Each	2,345.93	Rupees Two thousand Three hundred and forty five and Paise Ninety three only	2,345.93
6	10	m	Providing and fixing Poly vinyl Chloride (PVC) pipes, 12kgf/cm ² including all PVC plain and brass threaded fittings, including fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes and fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer in charge. 25mm nominal outer dia pipes (12kgf/cm ²)	m	154.17	Rupees One hundred and fifty four and Paise seventeen only	1,541.70
7	5	m	Providing and fixing 110mm Poly vinyl Chloride (PVC) pipes, 4kgf/cm ² . This includes jointing of pipes with one step PVC solvent cement, trenching, refilling and testing of joints complete as per direction of Engineer in charge.	m	346.84	Rupees Three hundred and forty six and Paise eighty four only	1,734.20
8	5	m	Providing and fixing Poly vinyl Chloride (PVC) pipes with clamps at 1.00m spacing. This includes jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer in charge. 63mm nominal outer dia pipes 4kgf/cm ²)	m	187.33	Rupees One hundred and eighty seven and Paise thirty three only	936.65
9	2	Nos.	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white PVC 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.	Each	4,401.86	Rupees Four thousand Four hundred and one and Paise eighty six only	8,803.72

10	2	Nos.	Providing and fixing Aluminium tubular handle/32m outer dia 3mm thick and 2100mm long with SS screw and pipe holder including all labour and material charges etc. complete. Polyester powder coated minimum thickness 50 micron aluminium tubular handle bar	Each	716.63	Rupees Seven hundred and sixteen and Paise sixty three only	1,433.26
11	1	No.	Supply and fixing 63mm dia PVC elbow	Each	74.92	Rupees Seventy four and Paise Ninety two only	74.92
12	1	No.	Supply and fixing 63m dia PVC tee	Each	91.57	Rupees Ninety one and Paise fifty seven only	91.57
13	1	No.	Supply and fixing 63mm dia PVC door elbow	Each	111.60	Rupees One hundred and eleven and Paise Sixty only	111.60
14	1	No.	Supply and fixing 110mm dia PVC elbow	Each	218.84	Rupees Two hundred and eighteen and Paise eighty four only	218.84
15	1	No.	Supply and fixing 110mm dia PVC door tee	Each	264.32	Rupees Two hundred and sixty four and Paise thirty two only	264.32
16	1.5	m ³	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil.	m ³	204.58	Rupees Two hundred and four and Paise fifty eight only	306.87
17	1	m ³	Concrete solid block work using pre-cast solid blocks (factory made) of size 40x25x15 cm or nearest available size conforming to IS:2185 part 1 of 1979 for ramp side with cement mortar 1:6 (1 cement: 6 coarse sand) etc. complete.	m ³	5,093.79	Rupees Five thousand ninety three and Paise Seventy nine only	5,093.79
18	2.25	m ³	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	m ³	140.07	Rupees One hundred and forty and Paise seven only	315.16

19	1.15	m ³	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).	m ³	5,410.50	Rupees Five thousand Four hundred and ten and Paise fifty only	6,222.08
20	10	m ²	Chequered terrazo tiles 22 mm thick with graded marble chips of size up to 6 mm in floors, jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete, on 20 mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand) : Light shade pigment using white cement.	m ²	1,316.10	Rupees One thousand Three hundred and sixteen and Paise ten only	13,161.00
21	110	kg	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. G.I. pipes.	kg	145.10	Rupees One hundred and forty five and Paise ten only	15,961.00
22	15	m ²	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade: Two or more coats on new work.	m ²	87.00	Rupees Eighty seven only	1,305.00

23	5	m ²	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand).	m ²	200.65	Rupees Two hundred and Paise sixty five only	1,003.25
TOTAL							97,683.59

PAC Rs. 97,684/- (Rupees Ninety seven thousand Six hundred and eighty four only)

I/We agreed to execute the work.

1.% below the estimate rate.

2. % above the estimate rate.

3. At the estimate rate.

CONTRACTOR

UNIVERSITY ENGINEER

