

UNIVERSITY OF KERALA							
ENGINEERING UNIT, KARIAVATTOM							
TENDER SCHEDULE FOR WATER SUPPLY AND SANITARY WORKS OF THE BUILDING FOR THE CENTRE FOR PERFORMING & VISUAL ARTS AT KARIAVATTOM CAMPUS							
SI No	Qty	Unit	Description of Item	unit	Rate	Rate in words	Amount
1	20	m	Providing and fixing PVC pipe 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 the direction of the Engineer-in-charge. 32 mm. dia 10 Kgf/cm ² - External work - exposed on wall.	m	244.58	Rupees Two hundred and forty four and Paise fifty eight only	4,891.60
2	20	m	Providing and fixing PVC pipe 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 the direction of the Engineer-in-charge. 25 mm. dia 10 Kgf/cm ² - External work - exposed on wall.	m	202.63	Rupees Two hundred and two and Paise Sixty three only	4,052.60
3	50	m	Providing and fixing PVC pipe fittings including jointing of pipes with one step PVC solvent cement, tenching, refilling and testing of joints complete as per the direction of the Engineer-in-charge. 32 mm. dia 10 Kgf/cm ²	m	186.37	Rupees One hundred and eighty six and Paise Thirty seven only	9,318.50
4	20	m	Providing and fixing PVC pipe fittings including jointing of pipes with one step PVC solvent cement, tenching, refilling and testing of joints complete as per the direction of the Engineer-in-charge. 25 mm. dia 10 Kgf/cm ²	m	162.31	Rupees One hundred and sixty two and Paise Thirty one only	3,246.20

5	20	m	Providing and fixing PVC pipes including fixing the pipe with clamps/clips at 1.00 m. spacing. This includes jointing the pipes with one step PVC solvent cement and testing of joints complete as per the direction of the Engineer-in charge. 110 mm dia 4 Kg/cm ² External work exposed on wall.	m	303.30	Rupees Three hundred and three and Paise Thirty only	6,066.00
6	20	m	Providing and fixing PVC pipes including jointing of pipes with one step PVC solvent cement, trenching, refilling and testing of joints complete as per direction of Engineer-in charge - 110 mm dia 4 Kg/cm ²	m	386.70	Rupees Three hundred and eighty six and Paise Seventy only	7,734.00
7	20	m	Providing and fixing PVC pipes including fixing the pipe with clamps/clips at 1.00 m. spacing. This includes jointing the pipes with one step PVC solvent cement and testing of joints complete as per the direction of the Engineer-in charge. 75 mm dia 6 Kg/cm ² External work exposed on wall.	m	250.31	Rupees Two hundred fifty and Paise Thirty one only	5,006.20
8	50	m	Providing and fixing PVC pipes including jointing of pipes with one step PVC solvent cement, trenching, refilling and testing of joints complete as per direction of Engineer-in charge. 75 mm dia 6 Kg/cm ²	m	292.84	Rupees Two hundred and Ninety two and Paise Eighty four only	14,642.00
9	8	Nos.	Providing and fixing PVC moulded fittings/accessories for rigid PVC pipes including jointing with solvent cement. 75 mm dia elbow.	Each	96.00	Rupees Ninety six only	768.00
10	4	Nos.	Providing and fixing PVC moulded fittings/accessories for rigid PVC pipes including jointing with solvent cement. 110 mm dia elbow.	Each	108.84	Rupees One hundred and eight and Paise Eighty four only	435.36
11	4	Nos.	Providing and fixing PVC moulded fittings/accessories for rigid PVC pipes including jointing with solvent cement. 75 mm dia door elbow.	Each	96.00	Rupees Ninety six only	384.00
12	4	Nos.	Providing and fixing PVC moulded fittings/accessories for rigid PVC pipes including jointing with solvent cement. 110 mm dia door elbow.	Each	134.69	Rupees One hundred and thirty four and Paise Sixty nine only	538.76

13	4	Nos.	Providing and fixing PVC moulded fittings/accessories for rigid PVC pipes including jointing with solvent cement. 75 x 75 x 75 mm dia door tee.	Each	108.47	Rupees One hundred and eight and Paise Forty seven only	433.88
14	4	Nos.	Providing and fixing PVC moulded fittings/accessories for rigid PVC pipes including jointing with solvent cement. 110 x 110 x 110 mm dia door tee.	Each	193.30	Rupees One hundred and Ninety three and Paise Thirty only	773.20
15	4	Nos.	Providing and fixing PVC moulded fittings/accessories for rigid PVC pipes including jointing with solvent cement. 75 mm dia vent cowl.	Each	87.39	Rupees Eighty seven and Paise Thirty nine only	349.56
16	2	Nos.	Providing and fixing PVC moulded fittings/accessories for rigid PVC pipes including jointing with solvent cement. 110 mm dia vent cowl.	Each	126.07	Rupees One hundred and twenty six and Paise Seven only	252.14
17	2	Nos.	Providing and fixing PVC moulded fittings/accessories for rigid PVC pipes including jointing with solvent cement. 110 mm dia offset.	Each	169.14	Rupees One hundred and Sixty nine and Paise fourteen only	338.28
18	0.5	m ³	Providing and laying in position cement concrete of specified grade excluding cost of centering and shuttering - All work up to plinth level. Rectification in floor concreting after the plumbing works including all cost and labour charges etc. complete.	m ³	6144.84	Rupees Six thousand One hundred and forty four and Paise Eighty four only	3,072.42
19	6	Nos.	P/F gun metal valve with CI wheel (screwed end) : 25 mm nominal bore.	Each	612.68	Rupees Six hundred and twelve and Paise Sixty eight only	3,676.08
20	1	No.	P/F gun metal valve with CI wheel (screwed end) : 32 mm nominal bore.	Each	716.47	Rupees Seven hundred and Sixteen and Paise Forty seven only	716.47
21	750	Ltr.	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI:12701 marked, with cover and suitable locking arrangements and making necessary holes for inlet, outlet and overflow pipes with necessary tank connector but without base support for tank.	Ltr.	10.36	Rupees Ten and Paise Thirty six only	7,770.00

22	2	Nos.	Providing and fixing square-mouth S.W.gully trap class Sp-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design: 19.4.1 100x100 mm size P type. 19.4.1.1 With common burnt clay F.P.S. (non modular bricks of class designation 7.5	Each	2244.77	Rupees Two thousand Two hundred and forty four and Paise Seventy seven only	4,489.54
23	4	Nos.	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with RCC top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design: 19.7.1 Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) : 19.7.1.1 With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	12153.53	Rupees Twelve thousand One hundred and fifty three and Paise Fifty three only	48,614.12
24	2	Nos.	Supply and fixing in position best quality approved make liquid soap holder as mentioned below with CP brackets. CP cap screws, washers etc., fixed to wall with necessary plugs etc. all as specified and directed (with plastic container)	Each	326.95	Rupees Three hundred and twenty six and Paise ninety five only	653.90

25	2	Nos.	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. 450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm, weighing not less than 170 gms.	Each	690.68	Rupees Six hundred and ninety and Paise sixty eight only	1,381.36
26	2	Nos.	P/F 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	Each	1039.91	Rupees One thousand and thirty nine and Paise ninety only	2,079.82
27	1	No.	Providing and fixing enclosed type water meter (bulk type) conforming ISI and tested by municipal board complete with bolts, nuts, rubber insertions etc. complete. 20 mm dia nominal size.	Each	4515.29	Rupees Four thousand Five hundred and fifteen and Paise twenty nine only	4,515.29
28	1	No.	Supplying and providing pre cast concrete meter chamber with cover 50x30x20 c.m. or nearest available size at complete as per the direction of the departmental authorities.	Each	421.39	Rupees Four hundred and twenty one and Paise Thirty nine only	421.39
29	7	m ³	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth. 1.5 m. in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m., disposed earth to be levelled and neatly dressed. All Kinds of soil.	m ³	222.30	Rupees Two hundred and twenty two and Paise thirty only	1,556.10
30	7	m ³	Extra for every additional lift of 1.5 m. or part thereof in excavation/banking excavated or stacked materials. All kinds of soil.	m ³	288.37	Rupees Two hundred and eighty eight and Paise Thirty seven only	2,018.59
31	20	Nos.	Plain cement concrete ring 1:2:4, using 12mm broken stone for drainage pit. 125 cm inside dia and depth 30 cm., average 5 cm thick including all formwork, watering, curing and erecting placed in position and filling the earth outside of the concrete ring etc. complete.	Each	1770.95	One thousand Seven hundred and seventy and Paise ninety five only	35,419.00

32	50	Kg	Steel reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete above plinth level. TMT bars.	Kg	97.29	Rupees Ninety seven and Paise Twenty nine only	4,864.50
33	0.5	m ³	Providing, hoisting and fixing upto floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like, including the cost of required centering, shuttering but excluding cost of reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size). For cover slab.	m ³	9211.86	Rupees Nine thousand Two hundred and eleven and Paise Eighty six only	4,605.93
TOTAL							Rs.1,85,084.79

PAC Rs.1,85,085/- (Rupees One Lakh Eighty five thousand and eighty five only)

I/We agree to execute the work 1.% below the estimate rate.

2. % above the estimate rate. 3. At the estimate rate.

UNIVERSITY ENGINEER

CONTRACTOR

