

## UNIVERSITY OF KERALA

## ENGINEERING UNIT, KARIAVATTOM

Tender schedule for the Civil works in the Department of **MALAYALAM** at Kariavattom campus utilizing RUSA funds.

SINo	PARTICULARS	UNIT	QTY	RATE	RATE IN WORDS	AMOUNT
1	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	m <sup>2</sup>	100	41.36	Rs.Forty one & ps. Thirty six only	4,136.00
2	Dismantling and removing water closet including disposal of the debris within a distance of 150 m	E	4	74.10	Rs.Seventy one & ps. Ten only	296.40
3	Removing mortar from and cleaning stones and concrete articles (net quantity of stacks of cleaned materials will be measured) : In lime mortar	m <sup>3</sup>	5	259.75	Rs.Two hundred & fifty nine & ps. Seventy five only	1,298.75
4	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	m <sup>2</sup>	20	29.40	Rs.Twenty nine & ps. Forty	588.00
5	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 or leaner mix (i/c equivalent design mix)	m <sup>3</sup>	3	807.42	Rs.Eight hundred & seven & ps. Forty two only	2,422.26

6	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.	m <sup>2</sup>	70	415.22	Rs.Four hundred & fifteen & ps. Twenty two only	29,065.40
7	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work :1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	m <sup>3</sup>	5	9,460.20	Rs.Nine thousand four hundred & sixty & ps. Twenty only	47,301.00
8	Providing and fixing pvc floor trap of approved quality	E	4	212.00	Rs.Two hundred & twelve only	848.00
9	Providing and laying glazed floor tiles 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), including grouting the joints with white cement and matching pigments etc.,complete.Size of Tile 300x300 mm	m <sup>2</sup>	70	1,326.56	Rs.One thousand three hundred & twenty six & ps. Fifty six only	92,859.20

10	Providing and fixing 1st 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, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	m <sup>2</sup>	120	1,227.11	Rs. one thousand two hundred & twenty seven & ps. Eleven only	147,253.20
11	Supplying, laying and jointing laying 110mm pvc pipe 4 kg/cm <sup>2</sup> with clamp including cutting and making good the walls etc. complete as per the direction of Engineer-in-charge	m	50	293.17	Rs. Two hundred & ninety three & ps. Seventeen only	14,658.50
12	Supplying, laying and jointing 25 mm pvc pipe 12kg/cm <sup>2</sup> with clamp including cutting and making good the walls etc. complete as per the direction of Engineer-in-charge	m	50	219.76	Rs. Two hundred & nineteen & ps. Seventy six only	10,988.00
13	Supplying, laying and jointing laying 63 mm pvc pipe 6 kg/cm <sup>2</sup> with clamp including cutting and making good the walls	m	30	229.75	Rs. Two hundred & twenty nine & ps. Seventy five	6,892.50
17	Providing & fixing CP brass angle valve of approved quality conforming to IS: 8931 a) 15mm nominal bore	E	5	744.64	Rs. Seven hundred & forty four & ps. Sixty four only	3,723.20
18	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	2	1,067.61	Rs. One thousand & sixty seven & ps. Sixty one only	2,135.22
19	Providing and fixing 110mm CP gratings of approved quality	E	4	52.98	Rs. Fifty two & ps. Ninety eight only	211.92

20	Providing and fixing water closet squatting pan (Indian type W.C. pan ) with 100 mm sand cast Iron P or S trap, 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:White Vitreous china Orissa pattern W.C. pan of size 580x440mm with integral type foot rests	E	1	4,976.22	Rs.Four thousand nine hundred & seventy six & ps. Twenty two only	4,976.22
21	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I.brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required W.C. pan with ISI marked black solid plastic seat and lid	E	3	4,831.38	Rs.Four thousand eight hundred & thirty one & ps. Thirty eight only	14,494.14
22	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 550x 400 mm with single 15 mm C.P. brass pillar tap each 1807.10	E	3	2,650.47	Rs.Two thousand six hundred & fifty & ps. Forty seven only	7,951.41
23	Supplying and fixing 15mm CP brass pillar tap in the place of damaged ones	E	3	460.97	Rs.Four hundred & sixty & ps. Ninety seven only	1,382.91

24	Supplying and fixing best quality PVC door frame of size 46x40X2 mm hollow section of approved brand fixed to wall with necessary steel screws including all materials and labour charges for fixing etc complete.	m	15	258.17	Rs.Two hundred & fifty Eight & ps. Seventeen only	3,872.55
25	Providing and fixing best quality factory made PVC door shutter of standard size and approved brand to the existing pvc door frames with wall thicknes 2 mm for styles and rails mitred and joined at the corners by means of brackets and stainless steel screws.The shutter frame fitted with a pvc multi chambered single panel having overall thicknes of 20 mm and 1 mmm wall thickness including all charges etc. complete as per direction of Engineer-in-charge.	m <sup>2</sup>	8	2,913.57	Rs.Four thousand seven hundred & fourteen & ps. Twenty seveny only	23,308.56
26	12 mm cement plaster 1:6 (1 cement: 6 coarse sand)	m <sup>2</sup>	10	232.33	Rs.Two hundred & thirty two & ps. Thirty three only	2,323.30
27	Labour engaged for dismantling existing G I pipe lines and stacking at department store etc complete					
	a)Plumber	E	4	741.50	Rs.Seven hundred & forty one & ps. Fifty only	2,966.00
	b)Coolie	E	2	560.47	Rs.Five hundred & sixty & ps. Forty seven only	1,120.94
28	Labour engaged for taking down the shutters of the existing wooden door and reducing the height and refixing in position in same after tiling work					
	a)Carpenter	E	6	741.05	Rs.Seven hundred & forty one & ps. Five only	4,446.30
	b) Coolie	E	4	560.47	Rs. Five hundred & sixty & ps. Forty seven only	2,241.88

29	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	m <sup>2</sup>	80	109.12	Rs.One hundred & nine & ps. Twelve only	8,729.60
30	Painting with silicon & acrylic emulsion based water thinnable sealer of approved brand and manufacture on wet or patchy portion of plastered surfaces : One coat	m <sup>2</sup>	150	100.69	Rs.One hundred & ps. Sixty nine only	15,103.50
<b>TOTAL</b>						<b>457,594.86</b>

**PAC Rs.4,57,595/- (Rs.Four lakh Fifty Seven thousand Five hundred & Ninety five only)**

I/We agreed to execute the work.

1. ....% below the estimate rate.

2. .... % above the estimate rate.

3. At the estimate rate.

Sd/-

**CONTRACTOR**

**UNIVERSITY ENGINEER**













