

UNIVERSITY OF KERALA  
ENGINEERING UNIT, KARIAVATTOM

Tender schedule for the work of Providing street lights near to water tank at Bioinformatics, Kariavattom campus.(RETENDER)							
Sl.No.	qty		Specification	Unit	Rate	Rate in words	Amount
1	1	No	Fabrication and supply of lamp post made from B class GI pipe with 6m long 63 mm dia pipe with 250x250x6mm Ms anchor plate at the bottom , providing 35x35x5mm angle welded to the pipe and supported by 25x3 Ms flat at two sides for fixing lamps,providing covering with Ms sheet at the top, grinding the welded portion for fine surface ,drilling holes on the bottom section and top sections of the pipe to draw wire, painting the entire portion with 2 coats of best quality aluminium paint over a coat of zinchromate primer.	E	3437.00	Rs. Three thousand four hundred & thirty seven only	3437.00
2	1	No	Errection of 1 No lamp post in ground including excavation of pit in a depth of 1 Metres below ground level ,providing cement concrete mixture 1:2:4 arround the post in circular /Square shape of 400mm , providing brick work over the concrete to a total height of 1 M and providing coping at the top , plastering the surface above the ground colour washing etc as required.	E	1902.00	Rs. One thousand nine hundred & two only	1902.00
3	2	Nos	<i>Supply and fixing 120 W LED Die cast aluminium IP 65 6 K Flood light fittings complete on the existing GI pipe s and giving connections etc. as required.( Havels make JETA NEO IP65 Similar make of Bajaj/Crompton/Philips/Havels)</i>	E	19775.00	Rs. Nineteen thousand seven hundred & seventy five only	39550.00

4			Supply and drawing the following sizes of multi-core PVC insulated & PVC sheathed 650/1100 V grade <i>copper conductor round flexible cables</i> conforming to IS 694 part I 1960 in the existing surface / recess conduit as required including giving necessary connections of the following sizes.				
a	12	m	3 core 1.50 sq. mm.	m	78.00	Rs. Seventy eight only	936.00
5			Supply & laying of one number PVC insulated and PVC sheathed armoured aluminium power cable of 1.1KV grade of the following sizes in ground including excavation of trench of size 35 x 75 cm, refilling the trench etc. as required but excluding sand cushioning and protective covering (in ordinary soil).				
a	30	m	2 core 4 sq mm	m	188.00	Rs. One hundred & eighty eight only	5640.00
6			Supply, laying and clamping of 1 no. PVC insulated and PVC sheathed armoured aluminium power cable, 1.1 KV grade of the following sizes using clamps noted along with the cables, spacing of clamps not exceeding 60cms, making good the damages , colour washing etc. as required.				
a	10	M	2 core 4 sq mm with factory made clamp	m	135.00	Rs. One hundred & thirty five only	1350.00
7			Supply and fixing the following sizes of <i>PVC Conduit</i> conforming to IS 9537 / 1983 part III along with all required accessories <i>on surface</i> including making good the damages etc as required.				
a	25	m	20 mm dia light gauge	m	83.00	Rs. Eighty three only	2075.00

8			Supply and drawing 650/1100 V grade <i>PVC insulated stranded single core copper conductor cables</i> conforming to IS 694 part I 1990 in the existing surface / recess conduit as required including giving necessary connections of the following sizes.				
a	25	m	1.50 sq mm 1 run	m	45.00	Rs. Forty five only	1125.00
b	25	m	2.50 sq mm 2 run	m	81.00	Rs. Eighty one only	2025.00
9			Supply & laying of DWC pipe in <b>ordinary soil</b> 0.75m below ground level including excavation				
a	30	m	40 / 32 mm or nearest size	m	122.00	Rs. One hundred & twenty two only	3660.00
10			Supplying siemens / tropodur type nickel plated <i>Double compression brass cable gland</i> for PVC insulated and PVC sheathed armoured aluminium/ copper conductor cable 1.1 KV grade, and making end termination suitable for 2/ 3/ 3½/ 4 core cable of the following sizes as required.				0.00
a	1	No	4 sq mm	E	221.00	Rs. Two hundred & twenty one only	221.00
11			Supplying and providing <i>earth clamps</i> for siemens/ tropodur type cable glands of suitable length and other dimensions noted along with each size of glands for the following sizes of cables as required.				
a	1	No	4sqmm-16 sq mm with 12 mm wide x 1 mm thick clip	E	18.00	Rs. Eighteen only	18.00
12			Supply and drawing bare <i>earthing conductors</i> of the following sizes <i>along with wiring/ cables</i> and giving connection as required.				
a	40	m	2.00 mm copper conductor (14 SWG)	m	26.00	Rs. Twenty six only	1040.00

13			Supply and providing Sintex box with side hinged door of size 200x200x100 mm with DIN rail for fixing MCB , provision for fixing Neutral Link for termination of cables , fixing the same on lamp post using suitable size painted flat iron clamps with bolt and nut with washers.	E	423.00	Rs. Four hundred & twenty three only	423.00
14			Supply and installation of sheet steel, phosphatised and painted, dust and vermin proof enclosure of MCB DB including copper /brass bus bar, neutral link, earth bus and DIN rail suitable for fixing MCB/ isolator etc. fixed on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall , making good the damages, colour washing etc. as required				
a	1	No	DP enclosure for independent mounting of MCB	E	486.00	Rs. Four hundred & eighty six only	486.00
15			Supply and installation of the following <i>accessories</i> suitable for 50 Hz , AC supply conforming to IS 8828-1995/ IEC 60898 of the following current ratings in the existing enclosure and giving connections as required				
a	1	No	25 A double pole mini break isolator	E	342.00	Rs. Three hundred & forty two only	342.00
b	2	Nos	6-32A( C curve)	E	219.00	Rs. Two hundred & nineteen only	438.00
16			Supply and <i>clamping</i> the following sizes of "B" class <i>GI pipe</i> on wall with all required accessories & clamps etc., including cutting and making good the walls, painting the exposed portions etc., <i>as protective covering to earth leads / cables.</i>				
a	4	m	25 mm dia	m	207.00	Rs. Two hundred & seven only	828.00
			<b>Total</b>				<b>65496.00</b>

**PAC Rs.65,496/- (Rs.Sixty five thousand four hundred & ninety six only)**

I/We agreed to execute the work.

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

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

3. At the estimate rate.

**CONTRACTOR**

Sd/-  
**UNIVERSITY ENGINEER.**











