

UNIVERSITY OF KERALA						
ENGINEERING UNIT, KARIAVATTOM						
Tender Schedule for the work of Electrification Works in the Kerala University Staff Housing Cooperative Society Building at Kariavattom Campus						
Sl.No.	Qty	SPECIFICATION	Unit	Rate	Rate in words	Amount
1		Supply and wiring points according to IS 732-1989 using rigid PVC conduit of minimum size 20 mm with specials conforming to IS 9537 part III 1983 and with suitable size specials conforming to IS 3419-1988, fixing the conduit using metal saddles spacing not exceeding 50 cm or concealed suitably and with 1.00 sq mm FR PVC insulated stranded single core copper conductor cable 650V grade, including <i>providing switch board main and continuous earthing with No.14 SWG bare copper</i> , required quantity of copper earth socket, brass bolt and nut crimping/ soldering etc complete with suitable size modular type metal switch boxes, <i>modular type front plates (white)</i> etc. up to and including 6A modular type SP switches and making good the surface of wall, colour washing etc. complete. All the terminations in the switch boards and DB's shall be tinned and the wires shall be drawn and fixed along the periphery of the box using suitable ties, tie mounts etc as required. <i>(Group B/ RoHS compliant modular accessories)</i> .				

1.1	15	nos	Single control light point without ceiling rose	E	823.00	Rs.Eight hundred & twenty three only	12345.00
1.2	3	nos	Single control light point with 6A, 3 plate ceiling rose	E	841.00	Rs.Eight hundred & forty one only	2523.00
1.3	4	nos	Single control ceiling fan point with 6 A, 3 plate ceiling rose & with socket size stepped electronic regulator.	E	1498.00	Rs.One thousand four hundred & ninety eight only	5992.00
2			Supply, conveyance, installation, testing and commissioning of the following sizes of <i>exhaust fans</i> in the existing opening, fixing necessary bolt and nuts, making good the damages etc. as required including giving connections with required length of 24/0.20mm PVC insulated and PVC sheathed 3 core round copper conductor flex wire conforming to relevant ISS.				
2.1	1	no	300/ 305 mm, single phase light duty exhaust fan in metal frame	E	1828.00	Rs.One thousand eight hundred & twenty eight only	1828.00
3			Supply, conveyance, installation, testing and commissioning of ceiling fans of the following sizes using standard accessories <i>excluding resistance type regulator</i> , wiring the down rod with 16/0.20mm PVC insulated and PVC sheathed 650/1100V grade 3 core round copper conductor flex wire or with extended original wiring etc. as required.				
3.1	4	nos	1200 mm sweep - 5 star rated	E	1853.00	Rs.One thousand eight hundred & fifty three only	7412.00

4			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.				
4.1	20	m	20 mm dia light gauge	m	83.00	Rs.Eighty three only	1660.00
4.2	15	m	25 mm dia light gauge	m	95.00	Rs.Ninety five only	1425.00
5			Supply and fixing the following sizes of <i>PVC Conduit</i> conforming to IS 9537 / 1983 part III along with all required accessories <i>in recess</i> including cutting the wall and making good the damages etc as required.				
5.1	10	m	20 mm dia light gauge	m	120.00	Rs.One hundred & twenty only	1200.00
5.2	10	m	25 mm dia light gauge	m	133.00	Rs.One hundred & thirty three only	1330.00
6			Supplying and clamping the following sizes of <i>corrugated PVC flexible conduit</i> with necessary compression gland with locking ring and check nut at termination pointed using suitable size GI / painted MS saddles spacing not exceeding 60 cms on surface including making good the damages, colour washing etc. as required.				
6.1	50	m	20 mm dia	m	52.00	Rs.Fifty two only	2600.00

7			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.				
7.1	25	m	1.50 sq mm 1 run	m	45.00	Rs.Forty five only	1125.00
7.2	25	m	2.50 sq mm 2 run	m	81.00	Rs.Eighty one only	2025.00
7.3	20	m	4.00 sq mm 2 run	m	106.00	Rs.One hundred & six only	2120.00
7.4	20		2.50 sq mm 1 run	m	55.00	Rs.Fifty five only	1100.00
8			Supply & Fixing the following types/ sizes of boxes suitable for modular accessories in surface/ recess including making good the damages, colour washing etc as required (<i>Group B/ RoHS compliant</i>)				
8.1	5	nos	6 module moulded plastic box on surface	E	209.00	Rs.Two hundred & Nine only	1045.00
8.2	4	nos	2 module moulded plastic box on surface	E	185.00	Rs.One hundred & Eighty Five only	740.00
9			Supply & Fixing the following types/ sizes of front plates on the existing modular boxes. (<i>Group B/ RoHS compliant</i>)				
9.1	5	nos	6 module white/ off-white	E	152.00	Rs.One hundred & fifty two only	760.00
9.2	4	nos	2 module white/ off-white	E	101.00	Rs.One hundred & one only	404.00

10			Supply and Fixing the following modular switches & accessories in the existing front plates and giving necessary connections as required <i>(Group B RoHS compliant)</i>				
10.1	5	nos	6 A SP 1 way switch	E	119.00	Rs.One hundred & nineteen only	595.00
10.2	5	nos	16 A SP 1 way switch	E	161.00	Rs.One hundred & sixty one only	805.00
10.3	5	nos	6 A socket	E	223.00	Rs.Two hundred & twenty three only	1115.00
10.4	5	nos	16 A socket	E	223.00	Rs.Two hundred & twenty three only	1115.00
10.5	4	nos	20 A DP switch with indicator	E	304.00	Rs.Three hundred & Four only	1216.00

10.6	4	nos	6A 3 pin shuttered socket	E	157.00	Rs.One hundred & fifty seven only	628.00
11	15	nos	Supply of 18W LED 5700K recess mounted downlighter with electronic driver complete as required Havels make ENDURA DL NEO Square SLIM/ Similat make of Bajaj/ Crompton/ Philips)	E	1774.00	Rs.One Thousand Seven Hundred and Seventy Four only	26610.00
12			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				
12.1	1	no	6 way (8+18) - three phase double cover (IP 42/43)	E	4039.00	Rs.Four thousand & thirty nine only	4039.00
13			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				
13.1	6	nos	40 A double pole mini break isolator	E	356.00	Rs.Three hundred & fifty six only	2136.00
13.2	4	nos	40 A, 2 pole, 100 mA RCCB	E	2453.00	Rs.Two Thousand Four Hundred and Fifty Three only	9812.00

13.3	22	nos	6-32A(C curve)	E	219.00	Rs.Two hundred & nineteen only	4818.00
13.4	1	no	100 A four pole mini break isolator	E	1246.00	Rs.One Thousand Two Hundred and Forty Six only	1246.00
			TOTAL				101769.00

PAC Rs.1,01,769/-- (Rs. One Lakh One thousand Seven hundred & Sixty Nine only)

I/We agreed to execute the work.

1.% above the estimate rate.

2.% below the estimate rate.

3. At the estimate rate.

CONTRACTOR

**sd/-
UNIVERSITY ENGINEER**

