

University of Kerala
Engineering Unit, Kariavattom

**TENDER SCHEDULE FOR THE ELECTRIFICATION WORK OF MODIFICATION OF PLANT CULTURE LAB AT ROOM NO.106 AT THE
DEPARTMENT OF BIO-CHEMISTRY 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> .				
a	6	nos	Single control light point with 6A, 3 plate ceiling rose	E	841.00	Rs.Eight hundred & forty one only	5046.00
b	2	nos	Combined plug point with 6 A, 5 pin plug socket controlled by 6 A switch in the same switch board as that of light points.	E	421.00	Rs. Four hundred & twenty one only	842.00

2	4	nos	Supply, conveyance, installation, testing and commissioning of <i>recess mounting square type horizontal adjustable lamp holder down light fittings(ceiling cut out size 195mm,height 110mm) with center frosted lense</i> suitable for 2x15W retrofit CF. directly in the existing opening on the false - ceiling including giving connections with required length of 16/0.20 mm 3 core round copper conductor flex wire conforming to relevant ISS or with the extended original wiring etc as required	E	1532.00	Rs. One thousand five hundred & thirty two only	6128.00
3			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	75	m	20 mm dia light gauge	m	83.00	Rs. Eighty three only	6225.00
b	50	m	25 mm dia light gauge	m	95.00	Rs. Ninety five only	4750.00
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>in recess</i> including cutting the wall and making good the damages etc as required.				
a1	5	m	20 mm dia light gauge	m	120.00	Rs. One hundred & twenty only	600.00
a2	5	m	25 mm dia light gauge	m	133.00	Rs. One hundred & thirty three only	665.00
5			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	40	m	2.50 sq mm 1 run	m	55.00	Rs. Fifty five only	2200.00
b	90	m	2.50 sq mm 3 run	m	107.00	Rs. One hundred & seven only	9630.00

c	5	m	2.50 sq mm 6 run	m	186.00	Rs. One hundred & eighty six only	930.00
d	25	m	4.00 sq mm 2 run	m	106.00	Rs. One hundred & six only	2650.00
e	10	m	6.00 sq mm 2 run	m	144.00	Rs. One hundred & forty four only	1440.00
6			Supply and fixing <i>SP & N metal case enclosure</i> with 2 pole and earth plug socket with pin suitable for incorporating , SP MCB (excluding cost of SP MCB) in surface/ recess including giving necessary connections, making good the damages etc. as required.				
a	2	nos	250V, 20A, 2 pole and earth	E	917.00	Rs. Nine hundred & seventeen only	1834.00
7			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>)				
a	10	nos	3 module moulded plastic box on surface	E	194.00	Rs. One hundred & ninety four only	1940.00
b	4	nos	6 module moulded plastic box on surface	E	209.00	Rs. Two hundred & nine only	836.00
8			Supply & Fixing the following types/ sizes of front plates on the existing modular boxes. (<i>Group B/ RoHS compliant</i>)				
a	10	nos	3 module white/ off-white	E	116.00	Rs. One hundred & sixteen only	1160.00
b	4	nos	6 module white/ off-white	E	152.00	Rs. One hundred & fifty two only	608.00
9			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>)				
a	8	nos	6 A SP 1 way switch	E	119.00	Rs. One hundred & nineteen only	952.00

b	11	nos	16 A SP 1 way switch	E	161.00	Rs. One hundred & sixty one only	1771.00
c	6	nos	6A 3 pin shuttered socket	E	157.00	Rs. One hundred & fifty seven only	942.00
d	11	nos	6/16 A socket	E	223.00	Rs. Two hundred & twenty three only	2453.00
10			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	8 way single phase double cover (IP 42/43)	E	1572.00	Rs. One thousand five hundred & seventy two only	1572.00
b	1	no	25 A double pole mini break isolator	E	342.00	Rs. Three hundred & forty two only	342.00
c	1	no	25 A, 2 pole, 30 mA RCCB	E	2023.00	Rs. Two thousand & twenty three only	2023.00
d	6	nos	6-32A(C curve)	E	219.00	Rs. Two hundred & nineteen only	1314.00
11			S & F following HRC fuses				
a	10	nos	2 -80A, clipon offset link	E	71.00	Rs. One hundred & ninety eight only	710.00
12	2	nos	Dismantling the existing single tube light fittings with all accessories and down rod, rearranging the same in new position and giving connection with existing flex wire	E	96.00	Rs. Ninety six only	192.00
			TOTAL				59755.00

PAC Rs.59,755/- (Rs. Fifty nine thousand seven hundred & fifty five only)

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

2.% above estimate rate.

3. At the estimate rate.

UNIVERSITY ENGINEER

CONTRACTOR

