

**UNIVERSITY OF KERALA**  
**Engineering Unit, Kariavattom**

<b>TENDER SCHEDULE FOR THE ELECTRICAL WORKS FOR THE INSTALLATION OF AIRCONDITIONERS IN THE RESEARCH WING OF KERALA UNIVERSITY LIBRARY-VERTICAL EXTENSION TO THE KERALA UNIVERSITY LIBRARY , THIRUVANANTHAPURAM (RETENDER)</b>						
Sl.no	Specification	Qty	Unit	Rate	Rate in words	Amount
1	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.					
1.01	25 mm dia light gauge	18.00	m	95.00	Rs Ninety Five Only	1710.00
2	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.					
2.01	4.00 sq mm 2 run	70.00	m	106.00	Rs One Hundred and Six Only	7420.00
2.02	6 Sqmm 4 run	72.00	m	260.00	Rs Two Hundred and Sixty Only	18720.00
3	Supply and fixing <i>50 x 50 mm PVC Cable Management System</i> with base and lid along with the following accessories conforming to IEC 61084/ BS 476 & 4678 on surface / recess including cutting the wall and making good the damages in case of recessed installation as required.					

3.01	50 x 50 mm CMS with base & lid	30.00	m	537.00	Rs Five Hundred and Thirty Seven Only	16110.00
4	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					
4.01	FP enclosure for independent mounting of MCB/ RCCB/ RCBO	6.00	E	604.00	Rs Six Hundred and Sixty Only	3624.00
4.02	8 way (8+24) - double cover TPN vertical DB with provision for fixing MCCB as incomer and SP/ TP MCB as outgoing (IP 42/43)	1.00	E	11310.00	Rs Eleven Thousand Three Hundred and Ten Only	11310.00
5	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					
5.02	32 A, 10 kA, TP MCB (C curve)	12.00	E	908.00	Rs Nine Hundred and Eight Only	10896.00
5.03	125A, 25/35 kA (Ics=100%Icu), 4 pole, current limiting type MCCB having thermal setting range of 80 - 100% with thermal magnetic release having adjustable OL	1.00	E	8969.00	Rs Eight Thousand Nine Hundred and Sixty Nine Only	8969.00
6	<u>Cable</u> : Supply, laying and clamping of 1 no. PVC insulated and PVC sheathed armoured aluminium power cable, 1.1 KV grade of the					
6.01	4c 50 sqmm	20.00	m	435.00	Rs Four Hundred and Thirty Five Only	8700.00

7	Supply & laying of one number PVC insulated and PVC sheathed armoured aluminium power cable of 1.1KV grade of the following sizes in the existing RCC/ HUME / STONE WARE/ GI/ DWC pipe as required.					
7.01	4 core 50 sq mm	10.00	m	417.00	Rs Four Hundred and Seventeen Only	4170.00
8	Supply & laying of one No. PVC insulated and PVC sheathed armoured aluminium power cable of 1.1 KV grade of the following sizes in the existing masonry open duct as required.					
8.01	4 core 50 sq mm	5.00		404.00	Rs Two Hundred and Sixty Only	2020.00
9	END TERMINATION OF CABLES : Supplying siemens / tropodur type nickel plated Double compression brass cable gland 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.					
9.01	50 sq mm	2.00	E	646.00	Rs Two Hundred and Sixty Only	1292.00
10	<u>EARTH CLAMPS</u> : 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.					0.00

10.1	25 sq - 95sq mm with 20 mm wide x 1.20 mm thick clip	2.00	E	27.00	Rs Twenty Seven Only	54.00
11	<u>CABLE SOCKETS</u> : Supply of superior quality					
11.01	50 sq mm	8.00	E	19.00	Rs Nineteen Only	152.00
12	Supply and drawing bare <i>earthing conductors</i> of the following sizes <i>along with wiring/ cables</i> and giving connection as required.					
12.01	3.15 mm copper conductor (10 SWG)	68.00	m	62.00	Rs Sixty Two Only	4216.00
13	<u>SOCKETS FOR EARTHING CONDUCTORS</u> : supply of superior quality <i>copper earth socket</i> for the following sizes of earth conductor including crimping etc. as required.					
13.01	3.15 mm (10 SWG)	8.00	E	19.00	Rs Nineteen Only	152.00
14	Supply and providing the following sizes of <i>bolt and nut</i> with washers on the existing MS box / earth bus etc. as required including drilling necessary holes as required					
14.01	25 x 3mm brass bolt & nut	7.00	E	17.00	Rs Seventeen Only	119.00

15	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>					
15.01	50 mm dia	5.00	m	362.00	Rs Three Hundred and Sixty Two Only	1810.00

101444.00

PAC Rs.1,01,444/- (Rupees Three lakh Fifty Four thousand Four hundred & Thirty Four only)

1. I/We agreed to execute the work.

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

2. ....% below the estimate rate.

3. At the estimate rate.

**CONTRACTOR**

sd/-  
**UNIVERSITY ENGINEER** |