

**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** |