

UNIVERSITY OF KERALA

ENGINEERING UNIT, KARIAVATTOM

TENDER SCHEDULE FOR PROVIDING WIRING FOR INVERTER AND AIR CONDITIONERS AT UGC-HRDC GUEST HOUSE AT KARIAVATTOM CAMPUS.

SI No	Qty	Unit	Description of Item	unit	Rate	Rate in words	Amount
1			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.				
a	25	m	50 x 50 mm CMS with base & lid	m	537.00	Rupees Five hundred and thirty seven only	13,425.00
b	100	m	Supply and providing 32mm PVC casing and capping on surface of wall using suitable size steel screw with washer etc	m	39.00	Rupees Thirty nine only	3,900.00
c	50		Supply and providing 20mm PVC casing and capping on surface of wall using suitable size steel screw with washer etc	m	30.00	Rupees Thirty only	1,500.00
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.				
a	36	m	1.50 sq mm 1 run	m	45.00	Rupees Forty five only	1,620.00
b	80	m	1.50 sq mm 2 run	m	61.00	Rupees Sixty one only	4,880.00
c	24	m	1.50 sq mm 4 run	m	94.00	Rupees Ninety four only	2,256.00
d	20	m	2.50 sq mm 2 run	m	81.00	Rupees Eighty one only	1,620.00

e	90	m	4.00 sq mm 2 run	m	106.00	Rupees One hundred and six only	9,540.00
f	80	m	4.00 sq mm 4 run	m	184.00	Rupees One hundred and eighty four only	14,720.00
g	24	m	4.00 sq mm 8 run	m	348.00	Rupees Three hundred and forty eight only	8,352.00
h	12	m	6.00 sqmm 4run	m	260.00	Rupees Two hundred and sixty only	3,120.00
i	12	m	10.00 sq mm 4 run	m	426.00	Rupees Four hundred and twenty six only	5,112.00
3			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	20	nos	2 module moulded plastic box on surface	E	185.00	Rupees One hundred and eighty five only	3,700.00
4			Supply & Fixing the following types/ sizes of front plates on the existing modular boxes. <i>(Group B/ RoHS compliant)</i>				
a	20	nos	2 module white/ off-white	E	101.00	Rupees One hundred and one only	2,020.00
b	9	nos	20A motor starter switch	E	659.00	Rupees Six hundred and fifty nine only	5,931.00
c	20	nos	20 A shuttered socket	E	223.00	Rupees Two hundred and twenty three only	4,460.00
d	1	nos	20 A DP switch with indicator	E	304.00	Rupees Three hundred and four only	304.00

5			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	nos	4 way (8+12) - double cover TPN vertical DB with provision for fixing 4P MCB / Isolator/ RCCB/ RCBO as incomer and SP/ TP MCB as outgoing (IP 42/43)	E	7739.00	Rupees Seven thousand Seven hundred and thirty nine only	7,739.00
6			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	6	nos	6-32A(C curve),Sp MCB	E	219.00	Rupees Two hundred and nineteen only	1,314.00
b	3	nos	6 A to 25 A, 10 kA, DP MCB (C curve)	E	566.00	Rupees Five hundred and sixty six only	1,698.00
c	2	nos	32A,10 kA, TP MCB (C curve)	E	908.00	Rupees Nine hundred and eight only	1,816.00
d	1	nos	63A,10 kA, TP MCB (C curve)	E	1369.00	Rupees One thousand Three hundred and sixty nine only	1,369.00
e	1	nos	40 A, 4 pole, 2 way,centre off 400V AC change over switch with centre OFF	E	2926.00	Rupees Two thousand Nine hundred and twenty six only	2,926.00
f	1	nos	100 A four pole mini break isolator	E	1246.00	Rupees One thousand Two hundred and forty six only	1,246.00
g	1	no	63 A, 4 pole, 100 mA RCCB	E	3306.00	Rupees Three thousand Three hundred and six only	3,306.00

7	1	no	Fabrication, Supply and installation of outdoor pillar box made out of 2mm thick (14SWG) MS sheet of size 250×200×150, provisions for slotted angles for fixing fuse units and neutral,link copium at the top and hinged front door including supply and fixing 3 Nos of 125A HRC fuse unit with 100A HRC fuse link and one number of 100A two way neutral link,painting the same with two coats of synthetic enamel paint over a coat of Zinchromate primer ,fixing the same on existing concrete pole using suitable size painted flat iron clamps with bolt and nuts with washers etc.as required.	E	4292.00	Rupees Four thousand Two hundred and ninety two only	4,292.00
8	1	set	Fabrication, Supply and installation of 250×300×75mm MS box made out of 16 gauge MS sheet, providing three compartments each compartments for fixing three no's 20A modular type DP switch mounted on 6module front plate fixing the same on 3mm thick hylam sheet of suitable size ,providing SMC sheet for panel barriers and shrouding and providing front hinged door with lock and key arrangement , painting the same with two coats of synthetic enamel paint over a coat of Zinchromate primer ,fixing the same on wall on surface/recess and making good the damages wall for colour washing etc.as required	E	7937.00	Rupees Seven thousand Nine hundred and thirty seven only	7,937.00
9			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	5	m	3.5 core 50 sq mm with factory made clamp	m	393.00	Rupees Three hundred and ninety three only	1,965.00
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.				
a	2	nos	50 sq mm	E	646.00	Rupees Six hundred and forty six only	1,292.00
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	2	nos	4sqmm-16 sq mm with 12 mm wide x 1 mm thick clip	E	18.00	Rupees Eighteen only	36.00
12			Supply of superior quality <i>aluminium tubular cable socket</i> and making core termination of cables of the following sizes including crimping etc. as required.				
a	6	nos	50 sq mm	E	19.00	Rupees Nineteen only	114.00
b	2	nos	25 sq mm	E	14.40	Rupees Fourteen and Paise forty only	28.80
13			Supply and drawing bare <i>earthing conductors</i> of the following sizes <i>along with wiring/ cables</i> and giving connection as required.				
a	10	m	3.15 mm copper conductor (10 SWG)	m	62.00	Rupees sixty two only	620.00
14			supply of superior quality <i>copper earth socket</i> for the following sizes of earth conductor including crimping etc. as required.				
a	4	nos	3.15 mm (10 SWG)	E	19.00	Rupees Nineteen only	76.00

15			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					
a	4	nos	25 x 3mm brass bolt & nut	E	17.00	Rupees Seventeen only	68.00	
TOTAL							Rs.	124,302.80

PAC Rs.1,24,303/- (Rupees One Lakh Twenty four thousand Three hundred and three only)

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

2. % above the estimate rate. 3. At the estimate rate.

Sd/-

CONTRACTOR

UNIVERSITY ENGINEER