

University of Kerala  
Engineering Unit, Kariavattom

**TENDER SCHEDULE FOR THE WORK OF RENOVATION OF EXISTING ELECTRICAL INSTALLATIONS IN THE SEMINAR HALL AND DIRECTORS ROOM DEPARTMENT OF ECONOMICS, KARIAVATTOM CAMPUS-SCHEME ON STUDY ON THE COST OF CULTIVATION OF PRINCIPAL CROPS IN KERALA**

Sl.No	Qty		Specification	Unit	Rate	Rate in words	Amount
<b>1</b>			<i>Supply</i> , conveyance, installation, testing and commissioning <i>wall mounting fan</i> of the following sizes using mounting brackets supplied along with the fan and giving connection with existing wire.				
<b>1.1</b>	8	Nos	400 mm sweep	E	1746.00	Rs.One thousand seven hundred & forty six only	13,968.00
<b>2</b>			<i>Supply, conveyance, installation, testing and commissioning</i> 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.				
<b>2.1</b>	1	Nos	200 mm, single phase, light duty exhaust fan in plastic body with self opening louvers	E	1538.00	Rs.One thousand five hundred & thirty eight only	1,538.00
<b>3</b>	1	Nos	<i>Charges for cutting holes</i> suitable for accommodating <i>exhaust fans</i> of sizes up to 305 mm sweep including plastering, colour washing etc. as required.	E	294.00	Rs.Two hundred & ninety four only	294.00

4			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.				
4.1	2	Nos	1200 mm sweep - 5 star rated	E	1853.00	Rs.One thousand eight hundred & fifty three only	3,706.00
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>on surface</i> including making good the damages etc as required.				
5.1	90	M	20 mm dia light gauge	m	83.00	Rs.Eighty three only	7,470.00
6			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.				
6.1	10	M	20 mm dia light gauge	m	120.00	Rs.One hundred & twenty only	1,200.00
6.2	5	M	25 mm dia light gauge	m	133.00	Rs.One hundred & thirty three only	665.00
7			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.				

7.1	10	M	20 mm dia	m	52.00	Rs.Fifty two only	520.00
8			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.				
8.1	20	M	1.50 sq mm 1 run	m	45.00	Rs.Forty five only	900.00
8.2	30	M	1.50 sq mm 2 run	m	61.00	Rs.Sixty one only	1,830.00
8.3	90	M	2.50 sq mm 1 run	m	55.00	Rs.Fifty five only	4,950.00
8.4	20	M	2.50 sq mm 2 run	m	81.00	Rs.Eighty one only	1,620.00
8.5	90	M	4.00 sq mm 2 run	m	106.00	Rs.One hundred & six only	9,540.00
8.6	10	M	4.00 sq mm 4 run	Mtr	184.00	Rs.One hundred & eighty four only	1,840.00
9			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> )				
9.1	12	Nos	2 module metal box in recess	E	165.00	Rs.One hundred & sixty five only	1,980.00
9.2	4	Nos	3 module metal box in recess	E	180.00	Rs.One hundred & eighty only	720.00
9.3	5	Nos	8 module metal box in recess	E	232.00	Rs.Two hundred & thirty two only	1,160.00
9.4	12	Nos	2 module white/ off-white	E	101.00	Rs.ne hundred and one only	1,212.00
9.5	4	Nos	3 module white/ off-white	E	116.00	Rs.One hundred & sixteen only	464.00
9.6	5	nos	8 module white/ off-white	E	187.00	Rs.One hundred & eighty seven only	935.00
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	2	Nos	6 A SP 1 way switch with indicator	E	138.00	Rs.One hundred & thirty eight only	276.00
10.2	3	Nos	16 A SP 1 way switch	E	161.00	Rs.One hundred & sixty one only	483.00

<b>10.3</b>	2	Nos	6A 3 pin shuttered socket	E	157.00	Rs.One hundred & fifty seven only	314.00
<b>10.4</b>	3	Nos	6/16 A socket	E	223.00	Rs.Two hundred & twenty three only	669.00
<b>10.5</b>	6	Nos	32 A DP Switch indicator ( for A/C units)	E	316.00	Rs.Three hundred & sixteen only	1,896.00
<b>10.6</b>	6	Nos	25 A 3 pin plug socket ( For A/C units )	E	223.00	Rs.Two hundred & twenty three only	1,338.00
<b>11</b>			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				
<b>11.1</b>	2	Nos	DP enclosure for independent mounting of MCB	E	486.00	Rs,Four hundred & eighty six only	972.00
<b>11.2</b>	1	No	8 way single phase double cover (IP 42/43)	E	1572.00	Rs.One thousand five hundred & seventy two only	1,572.00
<b>12</b>			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				
<b>12.1</b>	2	Nos	40 A double pole mini break isolator	E	356.00	Rs.Three hundred & fifty six only	712.00
<b>12.3</b>	1	No	40 A, 2 pole, 30 mA RCCB	E	2357.00	Rs/Two thousand three hundred & fifty seven only	2,357.00
<b>12.4</b>	1	No	20 A, single pole, change over switch 2 way	E	1109.00	Rs.One thousand one hundred & nine only	1,109.00
<b>12.5</b>	4	Nos	6/10/16 A/20/25/32 A SP MCB C curve 10 KA	E	219.00	Rs.Two hundred & nineteen only	876.00

13	15	nos	Conveyance, installation, testing and commissioning of <i>recess mounting down light fittings</i> of all types 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	48.00	Rs.Forty eight only	720.00
14	15	Nos	Supply of 18 W LED 5700K recess mounted down lighter with electronic driver complete as required Havels make ENDURA DL NEO Square SLIM/ Similar make of Bajaj/Crompton/Philips)	E	2085.00	Rs.Two thousand & eighty five only	31,275.00
			<b>Total Rs.</b>				<b>101,081.00</b>

PAC Rs.1,01,081/- (Rs.One lakh one thousand & eighty one only)

I/We agree to execute the work.

1. ....% below the estimate rate

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

3. At the estimate.

**UNIVERSITY ENGINEER**

**CONTRACTOR.**