

University of Kerala
Engineering Unit, Kariavattom

Tender Schedule for the Electrical works in connection with the establishment of Scientometric Lab in the Department of Future Studies 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	5	nos	Single control light point with 6A, 3 plate ceiling rose	E	841.00	Rs.Eight hundred & forty one only	4205.00
b	4	nos	Single control light point without ceiling rose	E	823.00	Rs.Eighty hundred & twenty three only	3292.00
c	1	nos	Single control ceiling fan point with 6 A, 3 plate ceiling rose & with socket size stepped electronic regulator.	E	1498.00	Rs.Onethousand four hundred & ninety eighty only	1498.00

d	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	1	nos	Supply and installation of suitable size <i>MS rod type fan clamp</i> as per IS 732 as required.	E	124.00	Rs.One hundred & twenty four only	124.00
3			<i>Supply</i> , 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.				
a	1	nos	1200 mm sweep - 5 star rated	E	1853.00	Rs.One thousand eighty hundred & fifty three only	1853.00
4			<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.				
a	4	nos	400 mm sweep	E	1746.00	Rs.One thousand seven hundred & forty six only	6984.00
5	4	nos	<i>Supply</i> , conveyance, installation, testing and commissioning of pre-wired 15 W LED <i>pressure die cast aluminium luminaire Recess mounted light fitting</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(Havels make ENDURA DL NEO/Philips/Crompton/Bajaj)	Nos	1883.00	Rs.One thousand eighty hundred & eighty three only	7532.00

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>on surface</i> including making good the damages etc as required.				
a	160	m	20 mm dia light gauge	m	83.00	Rs.Eighty three only	13280.00
b	25	m	32 mm dia light gauge	m	119.00	Rs.One hundred & nineteen only	2975.00
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.				
a	7	m	16 mm dia	m	48.00	Rs.Forty eight only	336.00
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.				
a	110	m	1.50 sq mm 1 run	m	45.00	Rs.Forty five only	4950.00
b	50	m	2.50 sq mm 1 run	m	55.00	Rs.Fifty five only	2750.00
c	110	m	2.50 sq mm 2 run	m	81.00	Rs.Eighty one only	8910.00
d	50	m	4.00 sq mm 2 run	m	106.00	Rs.One hundred & six only	5300.00
e	3	m	4.00 sq mm 4 run	Mtr	184.00	Rs.One hundred & eighty four only	552.00
f	25	m	6.00 sqmm 4run	m	260.00	Rs.Two hundred & sixty only	6500.00
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>)				
a	4		2 module metal box in recess	E	165.00	Rs.One hundred & sixty five only	660.00
b	2		3 module metal box in recess	E	180.00	Rs.One hundred & eighty only	360.00
c	20		8 module metal box in recess	E	232.00	Rs.Two hundred & thirty two only	4640.00

10			Supply & Fixing the following types/ sizes of front plates on the existing modular boxes. <i>(Group B/ RoHS compliant)</i>				
a	4	nos	2 module white/ off-white	E	101.00	Rs.One hundred & one only	404.00
b	2	nos	3 module white/ off-white	E	116.00	Rs.One hundred & sixteen only	232.00
c	20	nos	8 module white/ off-white	E	187.00	Rs.One hundred & eighty seven only	3740.00
11			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	40	nos	6 A SP 1 way switch	E	119.00	Rs.One hundred & nineteen only	4760.00
b	60	nos	6A 3 pin shuttered socket	E	157.00	Rs.One hundred & fifty seven only	9420.00
c	2	nos	6/16 A socket	E	223.00	Rs.Two hundred & twenty three only	446.00
d	2	nos	16 A SP 1 way switch	E	161.00	Rs.One hundred & sixty one only	322.00
e	2	nos	25A Shuttered Socket (AC Plug)	E	318.00	Rs.Three hundred & eighteen only	636.00
f	2	nos	32 A DP switch with indicator(Ac)	E	304.00	Rs.Three hundred & four only	608.00
12			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	DP enclosure for independent mounting of MCB	E	486.00	Rs.Four hundred & eighty six only	486.00
b	1	nos	4 way (8+12) - three phase double cover (IP 42/43)	E	3329.00	Rs.Three thousand three hundred & twenty nine only	3329.00
c	1	nos	12 way single phase double cover (IP 42/43)	E	1899.00	Rs.One thousand eight hundred & ninety nine only	1899.00
d	2	nos	40 A double pole mini break isolator	E	356.00	Rs.Three hundred & fifty six only	712.00
e	1	nos	40 A four pole mini break isolator	E	716.00	Rs.Seven hundred & sixteen only	716.00
f	1	nos	40 A, 4 pole, 100 mA RCCB	E	2881.00	Rs.Two thousand eight hundred & eighty one only	2881.00

g	1	nos	40 A, 2 pole, 30 mA RCCB	E	2357.00	Rs.Two thousand three hundred & fifty seven only	2357.00
h	14	nos	6-32A(C curve)	E	219.00	Rs.Two hundred & nineteen only	3066.00
13	1	nos	Dismantling the existing single tube fluroscent fitting and refixing the same to the new position on teak wood or PVC round block and giving connections with existing flex wire etc as required	E	114.00	Rs.One hundred & fourteen only	114.00
			TOTAL				113671.00

Rs.1,13,671/- Rs.One lakh thirteen thousand six hundred & seventy one only

I/We agreed to execute the work.

1.% above the estimate rate.

2.% below the estimate rate

3. At the estimate rate

CONTRACTOR

Sd/-
UNIVERSITY ENGINEER.