

UNIVERSITY OF KERALA

ENGINEERING UNIT, KARIAVATTOM

TENDER SCHEDULE FOR THE ELECTRICAL WORKS IN THE DEPARTMENT OF MATHEMATICS AT KARIAVATTOM CAMPUS UTILIZING RUSA

FUNDS

SI No	Qty	Unit	Description of Item	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	4,205.00

2			Supply, conveyance, installation, testing and commissioning the light fittings of following types made of .5mm thick CRCA sheet accessories and lamps etc. including supplying and fixing <i>ball and socket arrangements</i> on PVC round block, <i>suspension down rod of 19mm dia MS conduit up to 2x30cm</i> length including painting and wiring the down rod with 16/0.20mm 3 core round copper conductor flex wire conforming to relevant ISS or extending the original wiring and giving connections etc. a required.				
a	21	Nos.	1x28wT5 fitting with APF electronic ballast suitable for continuous operation with THD <10%, power factor >0.98, RoHS compliant,high lumen tube .	E	1915.00	Rs.One thousand nine hundred & fifteen only	40,215.00
3	2	m	Supplying and providing <i>extra H.G conduit down rod of 19 mm dia 2 x 1.00 m</i> long with 16/0.20 mm 3 core copper conductor flex wire conforming to relevant ISS or with the extended original wiring and giving connection etc. as required.	m	198.00	Rs.One hundred & ninety eight only	396.00
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.				
a	5	Nos.	1200 mm sweep - 5 star rated	E	1853.00	Rs.One thousand eight hundred & fifty three only	9,265.00

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.				
a	50	m	20 mm dia light gauge	m	83.00	Rs. Eighty three only	4,150.00
6			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	50	m	1.50 sq mm 1 run	m	45.00	Rs. Forty five only	2,250.00
b	50	m	2.50 sq mm 2 run	m	81.00	Rs. Eighty one only	4,050.00
7			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	Nos.	8 module metal box in recess	E	232.00	Rs.Two hundred & thirty two only	928.00
b	7	Nos.	12 module metal box in recess	E	354.00	Rs.Three hundred & fifty four only	2,478.00
8			Supply & Fixing the following types/ sizes of front plates on the existing modular boxes. (<i>Group B/ RoHS compliant</i>)				
a	4	Nos.	8 module white/ off-white	E	187.00	Rs. One hundred & eighty seven only	748.00

b	7	Nos.	12 module white/ off-white	E	251.00	Rs.Two hundred & fifty one only	1,757.00
9			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	46	Nos.	6 A SP 1 way switch	E	119.00	Rs. One hundred & nineteen only	5,474.00
b	4	Nos.	16 A SP 1 way switch	E	161.00	Rs. One hundred & sixty one only	644.00
c	15	Nos.	6A 3 pin shuttered socket	E	157.00	Rs. One hundred & fifty seven only	2,355.00
d	4	Nos.	6/16 A socket	E	223.00	Rs.Two hundred & twenty three only	892.00
e	10	Nos.	Blank plate 1 M	E	19.00	Rs. Nineteen only	190.00
TOTAL						Rs.	79,997.00

PAC Rs.79,997/- (Rupees Seventy nine thousand nine hundred & ninety seven 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