

UNIVERSITY OF KERALA							
ENGINEERING UNIT, KARIAVATTOM							
TENDER SCHEDULE FOR THE ELECTRIFICATION OF THE SEMI-PERMANENT SHED AT ROOF TOP OF THE CONTROLLER OF EXAMINATIONS BUILDING AT S H CAMPUS, PALAYAM							
Sl 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 ivory conduit of minimum size 20 mm 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 PVC insulated stranded single core FR <i>copper conductor cable</i> 650V grade,including providing switch board main ,and continuous earthing with 14SWG copper, required quantity of copper earth socket, brass bolt and nut crimping etc complete with suitable size modular type metal switch boxes, <i>modular type front plates (white)</i> etc. up to and including 6 A modular type ROHS compliant 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.				
a	8	Nos	Single control light point with 6A, 3 plate ceiling rose	E	841.00	Rupees Eight hundred and forty one only	6,728.00
b	43	Nos	Single control light point without ceiling rose	E	823.00	Rupees Eight hundred and twenty three only	35,389.00
c	32	Nos	Single control ceiling fan point with 6 A, 3 plate ceiling rose & with socket size stepped electronic regulator.	E	1498.00	Rupees One thousand Four hundred and ninety eight only	47,936.00
d	6	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	Rupees Four hundred and twenty one only	2,526.00

2	32	Nos	Supply and installation of suitable size <i>MS rod type fan clamp</i> as per IS 732 as required.	E	124.00	Rupees One hundred and twenty four only	3,968.00
3	14	m	Supply and providing every <i>additional length of down rod</i> of suitable size heavy gauge GI / WI pipe with 16/0.20mm PVC insulated and PVC sheathed 3 core round copper conductor flex wire conforming in relevant ISS or with original wiring extended including painting as required.	m	115.00	Rupees One hundred and fifteen only	1,610.00
4	43	Nos	Supply Conveyance, installation, testing and commissioning of <i>recess mounting down light fittings 5/6W LED Bulb</i> directly in the existing 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 (Bajaj Make BJDR /eqInt make of Philips, Havels,Wipro)	E	930.00	Rupees Nine hundred and thirty only	39,990.00
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	80	m	20 mm dia light gauge	m	83.00	Rupees Eighty three only	6,640.00
b	30	m	25 mm dia light gauge	m	95.00	Rupees Ninety five only	2,850.00
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	35	m	1.50 sq mm 1 run	m	45.00	Rupees Forty five only	1,575.00
b	60	m	1.50 sq mm 3 run	m	77.00	Rupees Seventy seven only	4,620.00
c	25	m	2.50 sq mm 1 run	m	55.00	Rupees Fifty five only	1,375.00
d	65	m	2.50 sq mm 2 run	m	81.00	Rupees Eighty one only	5,265.00
e	25	m	4.00 sq mm 2 run	m	106.00	Rupees One hundred and six only	2,650.00
f	24	m	6.00 sqmm 4run	m	260.00	Rupees Two hundred and sixty only	6,240.00

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 (ROHS)				
a	2	Nos	3 module moulded plastic box on surface	E	194.00	Rupees One hundred and ninety four only	388.00
b	6	Nos	8 module moulded plastic box on surface	E	233.00	Rupees Two hundred and thirty three only	1,398.00
8			Supply & Fixing the following types/ sizes of front plates on the existing modular boxes. (RoHS)				
a	2	Nos	3 module white/ off-white	E	116.00	Rupees One hundred and sixteen only	232.00
b	8	Nos	8 module white/ off-white	E	187.00	Rupees One hundred and Eighty seven only	1,496.00
9			Supply and Fixing the following modular switches & accessories in the existing front plates and giving necessary connections as required (Group B)				
a	12	Nos	6 A SP 1 way switch	E	119.00	Rupees One hundred and nineteen only	1,428.00
b	2	Nos	16 A SP 1 way switch	E	161.00	Rupees One hundred and sixty one only	322.00
c	18	Nos	6A 3 pin shuttered socket	E	157.00	Rupees One hundred and fifty seven only	2,826.00
d	2	Nos	6/16 A socket	E	223.00	Rupees Two hundred and twenty three only	446.00

10			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	2	Nos	12 way single phase double cover (IP 42/43)	E	1899.00	Rupees One thousand Eight hundred and ninety nine only	3,798.00
b	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
11			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	1	Nos	40 A four pole mini break isolator	E	716.00	Rupees Seven hundred and sixteen only	716.00
b	2	Nos	40 A double pole mini break isolator	E	356.00	Rupees Three hundred and Fifty six only	712.00
c	2	Nos	40 A, 2 pole, 30 mA RCCB	E	2357.00	Rupees Two thousand three hundred and fifty seven only	4,714.00
d	20	Nos	6-32A (C curve)	E	219.00	Rupees Two hundred and nineteen only	4,380.00
TOTAL							1,99,957.00

PAC Rs.1,99,957/- (Rupees One Lakh Ninety nine thousand Nine hundred and fifty seven only)

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

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

CONTRACTOR

UNIVERSITY ENGINEER