

UNIVERSITY OF KERALA

TENDER SCHEDULE

Tender Schedule for Electrical works for providing Classrooms and Faculty room in the terrace of Arts Block II building for space for MA West Asian studies for the Department of Islamic Studies at Karyavattom Campus.(Retender)

Sl. No	Item Description	Qty	Unit	Rate / Unit	Rate in Words	Amount
	1 Point Wiring					
1	od331478/2020_2021 Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed ISI marked rigid PVC conduit of minimum size 20 mm conforming to IS: 9537 Part-3 1983 with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Group A	21	E	743.82	Rupees Seven Hundred and Forty Three and Eight Two Paise Only	15620.22

2	od331480/2020_2021 Supply and wiring points according to IS: 732-1989 using ISI marked rigid PVC conduit of minimum size 20 mm conforming to IS: 9537 Part-3 1983 and with suitable size specials conforming to IS: 3419-1988, fixing the conduit using metal saddles spacing not exceeding 50 cms or concealed suitably and with ISI marked 1.50 sq. mm PVC insulated stranded single core FRLS copper conductor cable of 650 / 1100 V grade, including providing switch board main and continuous earthing with ISI marked 1.50 sq. mm PVC insulated stranded single core FRLS copper conductor cable 650 / 1100 V grade, required quantity of copper earth socket, brass bolt and nut, crimping / soldering etc complete with suitable size modular type metal switch boxes, modular type front plates (white) 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. (RoHS compliant modular accessories) Combined plug point with 6A, 5-pin plug socket controlled by 6A switch in the same switch board as that of light points - Short point.	4	E	522.75	Rupees Five Hundred and Twenty Two and Seven Five Paise Only	2091.00
3	1.25 Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	5	E	397.24	Rupees Three Hundred and Ninety Seven and Two Four Paise Only	1986.20
2 LIGHT AND FANS						0.00
1	od331507/2020_2021 Supply and providing 20 mm corrugated PVC flexible conduit as required at site	16.8	m	17.90	Rupees Seventeen and Nine Zero Paise Only	300.72

2	od331508/2020_2021 Supply and testing the following ratings of recess mounting round LED down light fittings of all types complete with all accessories including driver in the existing opening of false ceiling, giving connections with required length of 16/0.20 mm 3-core PVC insulated and PVC sheathed copper conductor round flexible wire of grade 1.1 kV conforming to relevant ISS or extending the original wiring and giving connections as required. 18W recess mounting round LED down light suitable for continuous operation with THD <10%, power factor >0.98 and RoHS compliant. (Make- Crompton-LSCRM-18WCDL, Havells, Philips or Wipro	16	E	1249.00	Rupees One Thousand Two Hundred and Forty Nine Only	19984.00
3	90.4.2 Supply and installation of suitable size MS belt type fan clamp fabricated from flat iron 40 x 6 mm, 150mm long x 2 Nos with M.S. rod bent to shape, neatly painted with 2 coats of enamel paint over a coat of red oxide primer as per IS 732 as required.	5	E	164.69	Rupees One Hundred and Sixty Four and Six Nine Paise Only	823.45
4	90.4.5.4 1200mm sweep - ceiling fan complete with service value minimum 4.0(cub meter/minute/Watt), Air delivery minimum 210(cubic meter/minute), 300mm down rod , 2 number canopies, shackele kit, Copper winding, 3 number blades and all remaining accessories including safety pin, nut bolts, washers suitablefor 230V/240V single phase AC supply etc. complete as required	5	E	1862.03	Rupees One Thousand Eight Hundred and Sixty Two and Zero Three Paise Only	9310.15
5	90.3.12 Conveyance and fixing charges of recess mounting down light fittings of all types complete with all accessories in the existing opening of false ceiling, giving connections with the existing wire etc., as required	16	E	70.94	Rupees Seventy and Nine Four Paise Only	1135.04

6	90.6.5.11 Supply and drawing the following sizes of multi-core PVC insulated & FRLS PVC sheathed 650/1100 V grade copper conductor round flexible cables conforming to IS 694 part I 1960 in the existing surface /recess conduit as required including giving necessary connections of the following sizes.3 core 1.50 sqmm	16.8	m	75.79	Rupees Seventy Five and Seven Nine Paise Only	1273.27
3 DISTRIBUTION BOARDS						
1	2.3.3 Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCBIRCCB/Isolator12 way, Double door	1	E	1587.57	Rupees One Thousand Five Hundred and Eighty Seven and Five Seven Paise Only	1587.57
2	2.10.1 Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.Single pole	10	E	238.62	Rupees Two Hundred and Thirty Eight and Six Two Paise Only	2386.20
3	2.10.4 Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.Triple pole	2	E	965.51	Rupees Nine Hundred and Sixty Five and Five One Paise Only	1931.02
4	2.12.1 Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.40 amps	1	E	306.20	Rupees Three Hundred and Six and Two Paise Only	306.20

5	2.13.2 Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.63 amps	1	E	935.17	Rupees Nine Hundred and Thirty Five and One Seven Paise Only	935.17
6	2.14.1 Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residualcurrent circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.25 amps	1	E	2275.85	Rupees Two Thousand Two Hundred and Seventy Five and Eight Five Paise Only	2275.85
7	2.15.3 Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.63 amps	1	E	3175.15	Rupees Two Thousand One Hundred and Seventy Five and One Five Paise Only	3175.15
8	9.1.34 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4 X 25 sq. mm (28mm)	2	m	355.86	Rupees Three Hundred and Fifty Five and Eight Six Paise Only	711.72
9	90.11.1.18 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 required4 way (8+12) - double cover TPN vertical DB with provision for fixing MCCB as incomer and SP/ TP MCB as outgoing (IP 42/43)	1	E	7575.52	Rupees Seven Thousand Five Hundred and Seventy Five and Five Two Paise Only	7575.52

4 WIRING						
1	90.6.10.1 Supply and fixing of following sizes of light gauge PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit as required 20 mm	27	m	72.03	Rupees Seventy Two and Zero Three Paise Only	1944.81
2	1.17.1 Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel/ PVC conduit as required. 1 x 1.5 sq. mm	5	m	31.72	Rupees thirty One and Seven Two Paise Only	158.60
3	1.17.3 Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel/ PVC conduit as required. 3 X 1.5 sq. mm	28	m	68.97	Rupees Sixty Eight and Nine Seven Paise Only	1931.16
4	1.17.6 Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel/ PVC conduit as required. 6 x 1.5 sq. mm	12	m	132.41	Rupees One Hundred and Thirty Two and Four One Paise Only	1588.92
5	1.17.11 Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel/ PVC conduit as required. 2 x 2.5 sq. mm	15	m	73.10	Rupees Seventy three and One Zero Paise Only	1096.50
6	od331558/2020_2021 Charges for dismantling the existing panel board including disconnecting the existing cables, glanding, terminations etc as required and conveying the same to the section store without any damages.	1	job	1292.40	Rupees One Thousand Two Hundred and Ninety Two and Four Paise Only	1292.40

7	90.12.7.13 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.3 core 6 sq mm with factory made clamp	6	m	193.38	Rupees One Hundred and Ninety Three and Three Eight Only	1160.28
8	1.17.4 Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel/ PVC conduit as required.4 x 1.5 sq. mm	12	m	88.28	Rupees Eighty Eight and Two Eight Paise Only	1059.36
5 WIRING DEVICES						
1	90.10.1.3 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 (RoHS compliant)3 module moulded plastic box on surface	3	E	215.48	Rupees Two Hundred and Fifteen and Four Eight Paise only	646.44
2	1.24.1 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.5/6 amps switch	8	E	115.86	Rupees One Hundred and Fifteen and Eight Six Paise Only	926.88
3	1.24.3 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.15/16 amp switch	3	E	157.24	Rupees One Hundred and Fifty Seven and Two Four Paise Only	471.72

4	1.24.4 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.3 pin 5/6 amp socket outlet	8	E	111.72	Rupees One Hundred and Eleven and Seven Two Paise Only	893.76
5	1.24.5 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.6 pin 15/16 amp socket outlet	3	E	211.03	Rupees Two Hundred and Eleven and Zero Three Paise Only	633.09
6	1.28.2 Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.3 Module	3	E	125.52	Rupees One Hundred and Twenty Five and Five Two Paise Only	376.56
7	90.10.1.5 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 compliant)6 module moulded plastic box on surface	4	E	247.00	Rupees Two Hundred and Forty Seven Only	988.00
8	1.28.4 Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.6 Module	4	E	173.79	Rupees One Hundred and Seventy Three and Seven Nine Only	695.16
	TOTAL					89272.09
	Rounded to					89272.00

PAC Rs89,272.00 (Rupees Eighty Nine Thousand Two Hundred and Seventy Two Only)

I/We agreed to execute the work

at Below estimate rate

at estimate rate

at Above estimate rate

CONTRACTOR

sd/-
UNIVERSITY ENGINEER