

UNIVERSITY OF KERALA

TENDER SCHEDULE FOR Electrification Works for Setting up of Office for NACC Directorate in the First Floor of IQAC Building at SH Campus, Palayam

Sl. No	Item Description	Qty	Unit	Rate / Unit	Rate in Words	Amount
	1 LIGHT POINTS					
1	od114654/2021_2022 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	2	point	506.2	Rupees Five Hundred and six and Two Zero	1012.40

2	1.11 Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way 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.	2	point	1115.85	Rupees One Thousand One Hundred and Fifteen and eight Five Paise Only	2231.7
3	od118224/2021_2022 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 asrequired. Group A	13	point	741.44	Rupees Seven Hundred nad Fourty One and Four Four Paise Only	9638.72
	2 FITTINGS					
1	od114658/2021_2022 Supply of 15W high efficiency recess mounted die cast aluminium LED downlighter of Square profile with bright and uniform diffuser including all accessories as required for complete installation(Wipro Helix Square 15W or equivalent make)	8	E	1703.00	Rupees One Thousand Seven Hundred and Three Only	13624
2	od114659/2021_2022 Supply and Installation of light duty exhaust fan having 200mm sweep with min air delivery of 280 cub.m/min, max power upto 50W in the existing opening, including making good the damage, connection,testing, commissioning etc. as required. size upto 250mm sweep. Make: Usha/Crompton/Bajaj	1	E	1130.00	Rupees One Thousand One Hundred and Thirty Only	1130

3	1.41 Installation, testing and commissioning of pre - wired, fluorescent fitting/ compact fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq.mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	8	E	137.93	Rupees One Hundred and Thirty Seven and Nine Three Paise Only	1103.44
4	1.58 Supplying and fixing PVC batten/ angle holder including connection etc. as required	1	E	85.52	Rupees Eighty Five and Five Two Paise Only	85.52
5	od117797/2021_2022 Supply and fixing cast aluminium stove enameled elliptical shaped bulkhead fitting with deep drawn anodised aluminium body, epoxy powder coated, heat resistant prismatic glass cover with mesh guard and specially designed gasket and porcelain holder suitable for 9 W LED bulb (including cost of LED bulb) to wall / ceiling including 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 and also making good the surface as required. Make: Havells, Philips or Wipro.	2	E	685.83	Rupees Six Hundred and Eighty Five and Eight Three Paise Only	1371.66
	3 Wiring Devices					
1	1.27.1 Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.1 or 2 Module (75mmX75mm)	8	E	241.38	Rupees Two Hundred and Fourty One and Three Eight Paise Only	1931.04

2	1.27.2 Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.3 Module (100mmX75mm)	5	E	255.17	Rupees Two Hundred and Fifty Five and Seven One Paise Only	1275.85
3	1.27.4 Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.6 Module (200mmX75mm)	7	E	355.86	Rupees Three Hundred and Fifty Five and Eight Six Paise Only	2491.02
4	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	13	E	115.86	Rupees One Hundred and Fifteen and Eight Six Paise Only	1506.18
5	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	4	E	157.24	Rupees One Hundred and Fifty Seven and Two Four Paise Only	628.96
6	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	4	E	211.03	Rupees Two Hundred and Eleven and Zero Three Paise Only	844.12
7	90.10.3.15 Supply and Fixing the following modular switches & accessories in the existing front plates and giving necessary connections as required (RoHS compliant)32A DP switch with indicator	2	E	555.07	Rupees Five Hundred and Fifty Five and Zero Seven Paise Only	1110.14

8	90.10.3.17 Supply and Fixing the following modular switches & accessories in the existing front plates and giving necessary connections as required (RoHS compliant)6A universal socket	13	E	190.03	Rupees One Hundred and Ninety and Zero Three Paise Only	2470.39
9	90.10.3.33 Supply and Fixing the following modular switches & accessories in the existing front plates and giving necessary connections as required (RoHS compliant)25A 3pin Shuttered socket	2	E	309.79	Rupees Three Hundred and Nine and Seven Nine Paise Only	619.58
10	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	5	E	111.72	Rupees One Hundred and Eleeven and Seven Two Paise Only	558.6
	4 Distribution Boards					
1	2.3.2 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/Isolator8 way, Double door	1	E	1463.44	Rupees One Thousand Four Hundred and Sixty Three nad Four FOUR Paise Only	1463.44
2	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

3	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	12	E	238.62	Rupees Two Hundred and Thirty Eight and Six Two Paise Only	2863.44
4	2.11 Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	2	E	9.66	Rupees Nine and Six Six Paise Only	19.32
5	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	2	E	306.20	Rupees Three Hundred and Six and Two paise Only	612.4
6	2.14.1 Supplying and fixing following rating, double pole, (single phase and neutral), 240 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. 25 amps	1	E	2275.85	Rupees Two Thousand Seven Hundred and Seventy Five and Eight Five Paise Only	2275.85
7	2.14.2 Supplying and fixing following rating, double pole, (single phase and neutral), 240 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. 40 amps	1	E	2371.02	Rupees Two Thousand Three Hundred and Seventy One and Zero Two Paise Only	2371.02
8	2.16 Supplying and fixing DP sheet steel enclosure on surface/ recess along with 25/32amps 240 volts "C" curve DP MCB complete with connections, testing and commissioning etc. as required.	2	E	864.82	Rupees Eight Hundred and Sixty Four and Eight Two Paise Only	1729.64

	5 Conduits					
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	78	m	72.03	Rupees Seventy Two and Zero Three Paise Only	5618.34
2	90.6.10.2 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 25 mm	30	m	82.03	Rupees Eighty Two and Zero Three Paise Only	2460.9
3	90.6.10.3 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 32 mm	9	m	101.03	Rupees One Hundred and One and Zero Three Paise Only	909.27
	6 Wiring					
1	1.17.21 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 4 sq. mm	10	m	153.10	Rupees One Hundred and Fifty Three and One Paise Only	1531
2	1.17.29 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 6 sq. mm	10	m	158.62	Rupees One Hundred and Fifty Eight and Six Two Paise Only	1586.2
3	od114660/2021_2022 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 2.5 sq. mm	44	m	41.38	Rupees Fourty One and Three Eight Paise Only	1820.72

4	1.17.20 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 4 sq. mm	34	m	108.96	Rupees One Hundred and Eight and Nine Six Paise Only	3704.64
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	51	m	73.10	Rupees Seventy Three and One Zero Paise Only	3728.1
6	1.17.22 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 4 sq. mm	5	m	204.14	Rupees Two Hundred and Four and One Four Paise Only	1020.7
7	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	41	m	31.72	Rupees Thirty One and Seven Two Paise Only	1300.52
8	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	31	m	68.97	Rupees Sixty Eight and Nine Seven Paise Only	2138.07
9	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	6	m	132.41	Rupees One Hundred and Thirty Two and Four One paise Only	794.46

10	1.17.2 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 1.5 sq. mm	8	m	51.03	Rupees Fifty One and zero Three Paise Only	408.24
11	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	6	m	88.28	Rupees Eighty Eight and Two Eight Paise Only	529.68
12	1.17.13 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 2.5 sq. mm	8	m	133.79	Rupees One Hundred and Thirty Three and Seven Nine Paise Only	1070.32
13	od117802/2021_2022 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 4 sq. mm	2	m	60.69	Rupees Sixty and six Nine Paise Only	121.38
	7 Earthing					
1	od118248/2021_2022 Earthing with G.I. earth pipe 2.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required	1	set	3921.35	Rupees Three Thousand Nine Hundred and Twenty One and Three Five Paise Only	3921.35

2	5.13 Providing and laying earth connection from earth electrode with 4.00 mm dia copper wire in 15mm dia G.I. pipe from earth electrode including connection with copper thimble excavation and re-filling as required.	5	m	251.03	Rupees Two Hundred and Fifty One and Zero Three Paise Only	1255.15
	TOTAL					90475.04

PAC Rs 90475.00(Rupees Ninety Thousand Four Hundred and Seventy Five Only)

I/We agreed to execute the work

1 at% Below estimate rate

2 at estimate rate

3. at %Above estimate rate

CONTRACTOR

Sd/-

UNIVERSITY ENGINEER