

UNIVERSITY OF KERALA

ENGINEERING UNIT

Tender Schedule for Electrical works related to the renovation of Animal House in the Department of Bio-Chemistry at Karyavattom Campus

Sl. No	Item Description	Qty	Unit	Rate / Unit	Rate in Words	Amount
1 AIR CONDITIONING 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	35	m	72.03	Rupees Seventy Two and Zero Three Paise Only	2521.05
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	10	m	82.03	Rupees Eighty Two and Zero Three Paise Only	820.30
3	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	60	m	108.96	Rupees One Hundred and Eight and Nine Six Paise Only	6537.60

4	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	15	m	204.14	Rupees Two Hundred and Four and One Four Paise Only	3062.10
5	od252815/2020_2021 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	60	m	42.76	Rupees Forty Two and Seven Six Paise Only	2565.60
6	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
7	90.9.1.1 Supply and fixing 50 x 50 mm PVC Cable Management System with base and lid along with the following accessories conforming to IEC 61084/ BS 476 & 4678 on surface / recess including cutting the wall and making good the damages in case of recessed installation as required.50x50mm Cable Management System with base and lid	13	m	691.21	Rupees Six Hundred nad Ninety One and Two One Paise Only	8985.73

8	90.9.1.2 Supply and fixing 50 x 50 mm PVC Cable Management System with base and lid along with the following accessories conforming to IEC 61084/ BS 476 & 4678 on surface / recess including cutting the wall and making good the damages in case of recessed installation as required.External angle 90 degree	2	E	150.69	Rupees One Hundred and Fifty and Six Nine Paise Only	301.38
9	90.9.1.4 Supply and fixing 50 x 50 mm PVC Cable Management System with base and lid along with the following accessories conforming to IEC 61084/ BS 476 & 4678 on surface / recess including cutting the wall and making good the damages in case of recessed installation as required.Internal angle 90 degree	2	E	146.07	Rupees One Hundred and Forty Six and Zero Seven Paise Only	292.14
10	90.9.1.7 Supply and fixing 50 x 50 mm PVC Cable Management System with base and lid along with the following accessories conforming to IEC 61084/ BS 476 & 4678 on surface / recess including cutting the wall and making good the damages in case of recessed installation as required.End cap	2	E	90.07	Rupees Ninety and Zero Seven Paise Only	180.14

11	90.9.1.9 Supply and fixing 50 x 50 mm PVC Cable Management System with base and lid along with the following accessories conforming to IEC 61084/ BS 476 & 4678 on surface / recess including cutting the wall and making good the damages in case of recessed installation as required.Joint cover	6	E	80.07	Rupees Eighty and Zero Seven Paise Only	480.42
12	90.9.2.1 Supply and fixing 100 x 50 mm PVC Cable Management System with base and lid along with thefollowing accessories conforming to IEC 61084/ BS 476 & 4678 on surface / recess including cutting the wall and making good the damages in case of recessed installation as required.100 x 50 mm CMS with base and lid	7.5	m	1000.21	Rupees Thousand and Two one Paise Only	7501.58
13	90.9.2.8 Supply and fixing 100 x 50 mm PVC Cable Management System with base and lid along with the following accessories conforming to IEC 61084/ BS 476 & 4678 on surface / recess including cutting the wall and making good the damages in case of recessed installation as required.End cap	2	E	132.07	Rupees One Hundred and Thirty Two and Zero Seven Paise Only	264.14

14	90.9.2.10 Supply and fixing 100 x 50 mm PVC Cable Management System with base and lid along with the following accessories conforming to IEC 61084/ BS 476 & 4678 on surface / recess including cutting the wall and making good the damages in case of recessed installation as required.Joint cover	4	E	102.07	Rupees One Hundred and Two and Zero Seven Paise Only	408.28
15	90.9.2.12 Supply and fixing 100 x 50 mm PVC Cable Management System with base and lid along with the following accessories conforming to IEC 61084/ BS 476 & 4678 on surface / recess including cutting the wall and making good the damages in case of recessed installation as required.1 to 3 module mounting box	5	E	159.86	Rupees One Hundred and Fifty Nine and Eight Six Paise Only	799.30
16	90.9.2.14 Supply and fixing 100 x 50 mm PVC Cable Management System with base and lid along with the following accessories conforming to IEC 61084/ BS 476 & 4678 on surface / recess including cutting the wall and making good the damages in case of recessed installation as required.8 module mounting box	5	E	259.86	Rupees Two Hundred and Fifty Nine and Eight Six Paise Only	1299.30

17	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	10	E	115.86	Rupees One Hundred and Fifteen and Eight Six Paise Only	1158.60
18	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	5	E	157.24	Rupees One Hundred nad Fifty Seven and Two Four Paise Only	786.20
19	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	15	E	111.72	Rupees One Hundred and Eleven and Seven Two Paise Only	1675.80
20	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	5	E	211.03	Rupees Two Hundred and Eleven and Zero Three Paise Only	1055.15
21	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 Forty One and Three Eight Paise Only	1931.04

22	1.28.2 Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.3 Module	5	E	125.52	Rupees One Hundred and Twenty Five and Five Two Paise Only	627.60
23	1.28.5 Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.8 Module	5	E	208.27	Rupees Two Hundred and Eight and Two Seven Paise Only	1041.35
24	1.58 Supplying and fixing PVC batten/ angle holder including connection etc. as required.	25	E	85.52	Rupees Eighty Five and Five Two Paise Only	2138.00
25	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	4	E	555.07	Rupees Five Hundred and Fifty Five and Zero Seven Paise Only	2220.28
26	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	4	E	309.79	Rupees Three Hundred and Nine and Seven Nine Paise Only	1239.16
27	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	20	m	51.03	Rupees Fifty One and Zero Three Paise Only	1020.60

28	1.17.15 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 2.5 sq. mm	20	m	201.38	Rupees Two Hundred and One and Three Eight Paise Only	4027.60
29	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	7	m	68.97	Rupees Sixty Eight and Nine Seven Paise Only	482.79
30	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	7	m	132.41	Rupees One Hundred and Thirty Two and Four One Paise Only	926.87
31	od252825/2020_2021 Supply of BEE rated 9W LED bulb (B22 / E27) (Orient/Philips/Havels)	24	E	105.00	Rupees One Hundred and Five Only	2520.00

32	<p>od252826/2020_2021</p> <p>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)
Single control light point without ceiling rose - Short point.</p>	15	point	903.34	Rupees Nine Hundred and Three and Three Four Paise Only	13550.10
33	<p>od252827/2020_2021</p> <p>Dismantling the existing single / double tube fluorescent fitting complete, cleaning,rewiring as per LED tube light fittings and refitting the same in position and giving connections etc. as required</p>	20	E	64.41	Rupees Sixty Four and Four One Paise Only	1288.20

34	od252829/2020_2021 Supply of 300/305 mm sweep Light Duty Exhaust fan in metal frame working on 230 V A/C	6	E	1472.00	Rupees One Thousand Four Hundred and Seventy Two Only	8832.00
35	od252830/2020_2021 Supplying and fixing 4-pole sheet steel enclosure conforming to IEC: 61439-3 on surface / in recess and suitable for mounting MCB / Isolator complete with connections, testing, commissioning etc. as required	2	E	405.65	Rupees Four Hundred and Five and Six Five Only	811.30
36	od252831/2020_2021 Supply and providing 20 mm corrugated PVC flexible conduit as required at site.	5	m	17.90	Rupees Sixteen and Five Two Paise Only	89.50
37	1.50.1 Installation of exhaust fan in the existing opening, including making good the damage connection testing, commissioning etc. as required.Upto 450 mm sweep	6	E	308.96	Rupees Three Hundred and Eight and Nine Six Paise Only	1853.76
38	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 Zero Paise Only	612.40
39	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	1531.00

40	od64830/2021_2022 Supply of industrial box type luminaire made of CRCA sheet with 0.50 mm thickness suitable for single T8 LED tube as required. (Make: Crompton-IGP161LT8-16 , Philips, Havells or Wipro)	15	E	401.00	Rupees Four Hundred and One Only	6015.00
41	od64832/2021_2022 Supply and fixing 20 W linear LED T8 tube with extruded aluminium body, PC diffuser and inbuilt driver having double sided connection suitable for continuous operation with THD <10%, power factor >0.98 and RoHS compliant including giving necessary connections as required. (Make- Crompton-LTT8-20, Philips, Havells or Wipro)	15	E	522.21	Rupees Five Hundred and Twenty Two and Two One Paise Only	7833.15
TOTAL						102383.01
Rounded to						102383.00

PAC Rs1,02,383.00(Rupees One Lakh Two Thousand Three Hundred and Eighty Three 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