

## UNIVERSITY OF KERALA

## ENGINEERING UNIT

**Tender schedule for the work of Preventive Maintenance, Wiring for the light and fan points at corridor,toilets in new valuation camp at Old ,SDE Building ,SH Campus,Palayam.**

Sl. No	Item Description	Qty	Unit	Rate / Unit	Rate in Words	Amount
1	od105558/2020_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)Single control light point with 6A, 3-plate ceiling rose - Short point.	12	E	926.79	Rupees Nine Hundred and Twenty Six and Seven Nine Paise Only	11121.48

2	<p>d105559/2020_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)Single control light point without ceiling rose - Short point.</p>	3	E	903.34	<p>Rupees Nine Hundred and Three and Three four Paise Only</p>	2710.02
---	--	---	---	--------	--	---------

3	od105560/2020_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.	10	E	522.75	Rupees Five Hundred and Twenty Two and Seven Five Paise Only	5227.5
4	1.58 Supplying and fixing PVC batten/ angle holder including connection etc. as required.	4	E	85.52	Rupees Eighty Five and Five Two Paise Only	342.08
5	od105561/2020_2021 Supply and providing BEE rated 9W LED bulb (B22 / E27) in the existing PVC batten / angle holder as required.	20	E	144.41	Rupees One Hundred and Forty Four and Four One Paise Only	2888.2
6	90.4.1 Supply and installation of suitable size MS rod type fan clamp in the RCC slab as per IS 732 as required	25	E	151.79	Rpees One Hundred and Fifty One and Seven Nine Paise Only	3794.75

7	90.4.5.2 Supply, conveyance, installation, testing and commissioning of ceiling fans of the following sizes using standard accessories excluding resistance type regulator, 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.1200mm sweep -5star rated ceiling fan complete with 300mm down rod , canopies, shackeles and blades and resistance type regulator working on 230V/240V single phase A/C	30	E	1862.03	Rupees One Thousand Eight Hundred and Sixty Two and Zero Three Only	55860.9
8	90.4.9 Charges for cutting holes suitable for accommodating exhaust fans above 305mm sweep and up to 450mm sweep including plastering colour washing etc. as required	8	E	518.93	Rupees Five Hundred and Eighteen and Nine Three Paise Only	4151.44
9	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 required20 mm	30	E	72.03	Rupees Seventy Two and Zero Three Paise Only	2160.9
10	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 required25 mm	10	E	82.03	Rupees Eighty Two and Zero Three Paise Only	820.3
11	90.10.1.2 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 )2 module moulded plastic box on surface	6	E	209.48	Rupees Two hundred and Nine and Four Eight Paise Only	1256.88
12	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	5	E	247	Rupees Two Hundred and Forty Seven Only	1235

13	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	30	E	68.97	Rupees Sixty Eight and Nine Seven Paise Only	2069.1
14	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	15	E	132.41	Ruprees One Hundred nad Thirty Two and Four One Paise Only	1986.15
15	1.23.1 Supplying and fixing following piano type switch / socket on the existing switch box/ cover including connections etc. as required.5/6 amps switch	10	E	46.9	Rupees Forty Six and Nine Paise Only	469
16	1.23.4 Supplying and fixing following piano type switch / socket on the existing switch box/ cover including connections etc. as required.3 pin 5/6 amp socket outlet	10	E	57.93	Rupees Fifty Seven and Nine Three Paise Only	579.3
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	1158.6
18	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	10	E	111.72	Rupees One Hundred and Eleven and Seven TwoPaise Only	1117.2
19	1.28.1 Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.1 or 2 Module	10	E	114.48	Rupees One hundred and Forteen and Four Eight Paise Only	1144.8
20	1.28.4 Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.6 Module	5	E	173.79	Rupees One Hundred and Seventy Three and Seven Nine Paise Only	868.95
21	1.33 Supplying and fixing 3 pin, 5 amp ceiling rose on the existing junction box/ wooden blockincluding connection etc as required.	10	E	63.45	Rupees Sixty Three and Four Five Paise Only	634.5
22	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	8	E	308.96	Rupees Three Hundred and Eight and Nine Six Only	2471.68

23	90.10.3.24 Supply and Fixing the following modular switches & accessories in the existing front plates and giving necessary connections as required (RoHS compliant )Step Fan regulator - type 2 M	10	E	213.79	Rupees Two Hundred and Thirteen and Seven Nine Paise Only	2137.9
24	od105562/2020_2021 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	25	E	64.41	Rupees Sixty Four and Four One Paise Only	1610.25
25	od105563/2020_2021 Supply and providing ISI marked 4 Kg dry chemical powder (ABC) fire extinguisher conforming to IS: 15683 along with hose and clamps including fixing it to wall as required. (Make- Ceasefire, Safex, Eco fire or Safe pro)	5	E	2376.83	Rupees Two Thousand Three Hundred and Seventy Six and Eight Three Paise Only	11884.15
26	od105564/2020_2021 Supplying linear LED T8 tube with extruded aluminium body, PC diffuser and inbuilt driver having double sided connection suitable for continuous operation with THD 0.98 and RoHS compliant. (Make- Crompton-LTT8-20, Philips, Havells or Wipro)	30	E	676	Rupees Six Hundred and Seventy Six Only	20280
27	od105565/2020_2021 Supply of 300/305 mm sweep Light Duty Exhaust fan in metal frame working on 230 V A/C	8	E	1457	Rupees One Thousand Four Hundred and Fifty Seven Only	11656
28	od105566/2020_2021250A, TPN Switch Disconnecter Fuse Unit (Sheet steel enclosure)	2	E	10501	rupees Ten Thousand Five Hundred and One Only	21002
29	9.1.23 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.3 1/2X 70 sq. mm (38mm)	4	E	543.44	Rupees Five Hundred and Forty Three and Four Four Paise Only	2173.76

30	<p>90.3.20.3 Supply &amp; installation of light fittings on TW round blockSupply, conveyance installation testing and commissioning the light fittings of following types made of CRCA with 0.5mm thickness complete with all accessories and lamps etc. directly on wall or ceiling with PVC round block neatly painted to suit the fitting and giving connection with required length of 16/0.20mm 3 core copper conductor flex wire conforming to relevant ISS and giving connections as required.1200 mm 1X20W LED Lamp with box type fixture Make- Crompton-IGP161LT8-16 &amp; ; LTT8-20, Philips, Havells or Wipro</p>	30	E	1211.03	Rupees One Thousand Two Hundred and Eleven and Zero Three Only	36330.9
----	--	----	---	---------	--	---------

31	od105579/2020_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) Single control ceiling fan point with 6A, 3-plate ceiling rose & with socket size stepped electronic regulator - Short point. 2	25	E	1409.27	Rupees One Thousand Four Hundred and Nine and two seven only	35231.75
TOTAL						246375.44
PAC Rs						246375.00

**EPAC Rs 2,46,375.00 (Rupees Two Lakhs Forty Six Thousand Three Hundred and Seventy Five Only)**

I/we ..... agreed to execute the work

1.....% above the estimate rate

2 .....% below the estimate rate

3 at the estimate rate

**CONTRACTOR**

Sd/-  
**UNIVERSITY ENGINEER**