

UNIVERSITY OF KERALA

ENGINEERING UNIT

Tender Schedule for Electrification of newly constructed extension room of Herbarium at Dept. of Botany, Karyavattom Campus.(Retender)

Sl. No	Item Description	Qty	Unit	Rate / Unit	Rate in Words	Amount
1	od352325/2020_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	9	E	743.82	Rupees Seven Hundred and Forty Three and Eight Two Paise Only	6694.38
2	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 suitable for 230V/240V single phase AC supply etc. complete as required	2	E	1862.03	Rupees One Thousand Eight Hundred and Sixty Two and Zero Three Paise Only	3724.06
3	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	2	E	518.93	Rupees Five Hundred and Eighteen and Nine Three Paise Only	1037.86

4	od352327/2020_2021 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)	5	E	405.00	Rupees Four Hundred and Five Only	2025.00
5	od352329/2020_2021 Supply of 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 as required. (Make- Crompton-LTT8-20, Philips, Havells or Wipro)	5	E	501.00	Rupees Five Hundred and One Only	2505.00
6	od352332/2020_2021 Supply of the following size of exhaust fan and giving connections with required length of 24/0.20 mm 3-core PVC insulated and PVC sheathed copper conductor round flexible wire of grade 1.1 kV conforming to relevant ISS. 380 mm, single phase, heavy duty, 1400 rpm exhaust fan in metal frame. (Make: Havells, Almonard or Crompton)	2	E	2756.00	Rupees Two Thousand Seven Hundred and Fifty Six Only	5512.00
7	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	5	E	137.93	Rupes One Hundred nad Thirty Seven nad Nine Three Paise Only	689.65
8	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	2	E	308.96	Rupees Three Hundred and Eight and Nine Six Paise Only	617.92

9	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.	2	E	397.24	Rupees Three Hundred and Ninety Seven and Two Four Paise Only	794.48
10	90.4.1 Supply and installation of suitable size MS rod type fan clamp in the RCC slab as per IS 732 as required	2	E	151.79	Rupees One Hundred and Fifty One and Seven Nine Paise Only	303.58
2 DISTRIBUTION BOARD						0.00
1	90.11.1.15 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 6 way (8+18) - 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)	1	E	7162.72	Rupees Seven Thousand One Hundred and Sixty Two and Seven Two Paise Only	7162.72
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	12	E	238.62	Rupees Two Hundred and Thirty Eight and Sixty Two Paise Only	2863.44
3	2.11 Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required	6	E	9.66	Rupees Nine and Six Six Paise Only	57.96
4	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	935.17

5	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 Three Thousand One Hundred and Seventy Five and One Five Paise Only	3175.15
6	2.24.2Supplying and fixing Cable End Box (Loose Wire Box) (IP 43) suitable for following triple pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with testing and commissioning etc. as required.For 6 way, Double door TPN MCBDB	1	E	841.37	Rupees Eight Hundred and Forty One and Three Seven Paise Only	841.37
7	2.1.2 Providing and fixing following capacity TP&N disconnecter fuse switch unit inside the existing panel board with ISI marked HRC fuses including drilling holes in cubicle panel, making connections, etc. as required.63 Amp TP & N	1	E	2910.32	Rupees Two Thousand Nine Hundred and Ten and Three Two Paise Only	2910.32
3 WIRING DEVICES						
1	1.32 Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required	5	E	560.00	Rupees Five Hundred and Sixty Only	2800.00
2	1.56 Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providng and fixing 2 Nos. 3 pin 5/6 A modular socket outlets and 2 Nos. 5/6 A modular switches, connection etc. as required. (For light plugs to be used in non residential buildings).	4	m	695.17	Rupees Six Hundred and Ninety Five and One Seven Paise Only	2780.68

4 WIRING						0.00
1	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	35	m	31.72	Rupees Thirty One and Seventy Two Paise Only	1110.20
2	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	9	m	51.03	Rupees Fifty One and Zero Three Paise Only	459.27
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	20	m	68.97	Rupees Sixty Eight and Nine Seven Paise Only	1379.40
4	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	3	m	88.28	Rupees Eighty Eight and Two Eight Paise Only	264.84
5	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	2	m	132.41	Rupees One Hundred and Thirty Two and Four One paise Only	264.82
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	35	m	73.10	Rupees Seventy Three and One Zero Paise Only	2558.50

7	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
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 required20 mm	65	m	72.03	Rupees Seventy Two and Zero Three Paise Only	4681.95
2	90.6.10.2 Supply and fixing of following sizes of light gauge PVC conduit along with accessories in surface/ recessincluding cutting the wall and making good the same in case of recessed conduit as required25 mm	5	m	82.03	Rupees Eighty Two and Zero Three Paise Only	410.15
3	90.12.7.41 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.4 core 16 sq mm with factory made clamp	25	m	262.48	Rupees Two Hundred and Sixty Two and Four Eight Paise Only	6562.00
4	9.1.33 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 16 sq. mm (28mm	2	E	351.72	Rupees Three Hundred and Fifty One and Seven Two Paise Only	703.44

5	90.12.7.39 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.4 core 6 sq mm with factory made clamp	57	m	204.38	Rupees Two Hundred and Four and Three Eight Ppaise Only	11649.66
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6	90.16.1.2Supply and drawing bare earthing conductors of the following sizes along with wiring/ cables and giving connection as required2.65 mm copper conductor (12 SWG)	114	m	40.03	Rupees Forty and Zero Three Paise Only	4563.42
7	90.16.5.3 Supply of superior quality copper earth socket for the following size of earth conductor including crimping etc. as required.3.15 mm (10 SWG)	4	E	20.41	Rupees Twenty and Four One Paise Only	81.64
6 Miscellaneous works						
1	od352842/2020_2021 Dismantling of Existing 4 way (8+12) TPN DB from Experimental room and re-fixing the same at Herbarium Room , 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<b	1	E	356.34	Rupees Three Hundred and Fifty Six and Three Four Paise Only	356.34
TOTAL						83546.69
Rounded to						83547.00

PAC Rs 83,547.00 (Rupees Eighty Three Thousand Five Hundred and Forty Seven Only)

I/We agreed to execute the work

at Below estimate rate

at estimate rate

at Above estimate rate

CONTRACTOR

sd/-
UNIVERSITY ENGINEER