

**Schedule**

<b>UNIVERSITY OF KERALA</b>						
<b>SUBDIVISION I,KARIAVATTOM</b>						
<b>TENDER SHEDULE FOR THE ELECTRICAL WORKS IN CONNECTION WITH THE INSTALLATION OF FALSE CEILING AT SUITE ROOMS AND MINI AUDITORIUM AT SECOND FLOOR IN THE STUDENTS AMENITY CENTER AT SH CAMPUS ,PALAYAM</b>						
<b>Sl. No</b>	<b>Item Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate / Unit</b>	<b>Rate in Words</b>	<b>Amount</b>
<b>1</b>	<p>od58388/2021_2022</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)&lt;br&gt;Single control light point with 6A, 3-plate ceiling rose - Short point.</p>	24	Point	1049.25	One Thousand and Fourty Nine Rupees Twenty Five Paise only	25182.00

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<b>2</b>	od58389/2021_2022 Supply and providing BEE rated 9W LED bulb (B22 / E27) in the existing PVC batten / angle holder as Required.	34	each	150.98	One Hundred and Fifty Rupees Ninty Eighty Paisa only	5133.32
<b>3</b>	od58390/2021_2022 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)	4	each	2406.91	Two Thousand Four Hundred and Six Rupees Ninty One Paisa only	9627.64
<b>4</b>	od58391/2021_2022 Supply and providing 20 mm corrugated PVC flexible conduit as required at site	126	meter	20.49	Twenty Rupees Fourty Nine Paisa only	2581.74
<b>5</b>	od58392/2021_2022 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-18W-CDL, Havells, Philips or Wipro)	84	each	1249.00	One Thousand Two Hundred and Fourty Nine Rupees only	104916.00
<b>6</b>	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.	84	each	143.12	One Hundred and Fourty Three Rupees Twelve Paisa only	12022.08

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<b>7</b>	90.4.1 Supply and installation of suitable size MS rod type fan clamp in the RCC slab as per IS 732 as required.	20	each	175.29	One hundred and seventy Five Rupees Twenty Nine Paise only	3505.80
<b>8</b>	90.4.6 Conveyance, installation, testing and commissioning of wall mounting fans of all types using mounting brackets supplied along with the fan	5	each	146.71	One Hundred and Fourty six Rupees Seventy One Paise only	733.55
<b>9</b>	90.4.8 Charges for cutting holes suitable for accommodating exhaust fans up to 305mm sweep including plastering colour washing etc. as required	5	each	475.96	Four Hundred and Seventy Five Rupees Ninty Six Paise only	2379.80
<b>10</b>	90.4.10 Conveyance, installation , testing and commissioning of exhaust fans of size up to 450mm in the existing opening, fixing necessary anchor bolts / bolt and nuts etc., as required including giving connections with the supplied wire along with the exhaust fan.	5	each	606.23	Six Hundred and Six Rupees Twenty Three Paise only	3031.15
<b>11</b>	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 sq Mm	126	meter	82.69	Eighty Two Rupees Sixty Nine Paise only	10418.94
<b>12</b>	od58393/2021_2022 Supply of 300 mm sweep light duty exhaust fan in metal frame suitable for working on 230 V, 50 Hz single phase AC supply. (Make: Havells, Almonard or Crompton)	5	each	1472.00	One Thousand Four Hundred and Seventy Two Rupees only	7360.00

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13	<p>od58394/2021_2022 Supply of 400 mm sweep, 1300 rpm oscillating type wall mounting fan having 3-speed control, oscillation control etc and suitable for operation on single phase 230 V, 50 Hz AC supply complete with continuous duty fan motor, plastic blades, chrome plated front and rear guards and all other accessories as required. (Make: Crompton, Hick Elc, LG, Havells, Orient or Almonard)</p>	3	each	2386.00	Two Thousand Three Hundred and Eighty Six Rupees only	7158.00
14	<p>od58395/2021_2022 Supply of 450 mm sweep, 80 W, 1400 rpm oscillating type heavy duty pedestal fan having 3-speed control, oscillation control etc and suitable for operation on single phase 230 V, 50 Hz AC supply complete with continuous duty fan motor, metal blades, stainless steel front and rear guards and all other accessories as required. (Make: Crompton, Havells, Orient or Almonard-Mark 2)</p>	5	each	4675.00	Four Thousand Six Hundred and Seventy Five Rupees only	23375.00
15	<p>1.24.1 Supplying and fixing following modular switch/ socket on the existing modular plate &amp; switch box including connections but excluding modular plate etc. as required. 5/6 amps switch</p>	5	each	101.69	One Hundred and One Rupees Sixty Nine Paisa only	508.45
16	<p>1.24.4 Supplying and fixing following modular switch/ socket on the existing modular plate &amp; switch box including connections but excluding modular plate etc. as required. 3 pin 5/6 amp socket outlet</p>	5	each	131.52	One Hundred and Thirty one Rupees Fifty Two Paisa only	657.60
17	<p>1.25 Supplying and fixing two module stepped type electronic fan regulator on the existing modular plateswitch box including connections but excluding modular plate etc. as required.</p>	7	each	406.77	Four Hundred and Six Rupees Seventy Seven Paisa only	2847.39

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<b>18</b>	1.28.1 Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.1 or 2 Module	5	each	135.59	One Hundred and Thirty Five Rupees Fifty Nine Paise only	677.95
<b>19</b>	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	5	each	245.18	Two Hundred and Fourty Five Rupees Eighteen Paise only	1225.90
<b>20</b>	od58396/2021_2022 Labour Charge for Dismantling the existing ceiling fans and surface mounted Ceiling lights and conveyance of the same to section store	1	job	1500.00	One Thousand Five Hundred Rupees only	1500.00
<b>21</b>	od139132/2021_2022 Supply of following size ceiling fan complete with all accessories including 300 mm long down rod, canopies, shackles, blades etc as required but excluding fan regulator and suitable for working on single phase 230 V, 50 Hz AC supply. (Make: Crompton-Hi Speed / plus, Havells-Aeroking, Orient or Bajaj) 1200 mm sweep ceiling fan	15	no	1900.00	One Thousand Nine Hunhdred Rupees only	28500.00
<b>22</b>	90.12.7.28 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.3.5 core 35 sq mm with factory made clamps	40	meter	378.46	Three Hundred Seventy Eight Rupees Fourty six Paise only	15138.40

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<b>23</b>	<p>90.14.1.1 Fabrication, supply, conveyance, installation testing and commissioning of floor or wall mounting, dust and vermin proof, cubicle type MV panel board comprising of the following components/ devices &amp; complying to IS 8623.&lt;br&gt;Fabrication of fully partitioned, dust and vermin proof enclosure for panel assembly as per form 4 of IS 8623 (with latest amendments) using CRCA sheet as per approved design and requirement, with front and rear access facility, bus bar chambers, hinged doors for all switch gear compartments, earthing the doors using 4 sq mm braided copper conductor, providing necessary cut-outs for mounting meters, relays, indication lamps, bus bar interconnection etc, detachable covers for bus bar chamber and cable alley, powder coating the assembly after subjecting to 7 tank process etc as required. CRCA sheet alone be used for the fabrication. Angles/ flats/ slotted angles etc shall not be used for the fabrication of panel assembly. The measurments will be taken the area of the complete sheets used for panel board including partitions, folding, shrouding etc. Supply and fabrication of MV panel board using 2.00mm CRCA sheet, powder coated (excluding base frame)</p>	0.5	Sqm	2751.43	Two Thousand Sseven Hundred and Fifty One Rupees Fourty Three Paisa only	1375.72
<b>24</b>	<p>90.14.10.3 Supply, conveyance and fixing the following types &amp; current rated control gears &amp; switchgears conforming to IS 13947 suitable for 440 V, 50 Hz, AC supply in the existing panel assembly as required.16 A-100A, 16 kA (Ics=100%Icu), 4 pole, current limiting type MCCB having thermal setting range of 80 - 100% with thermal magnetic release having adjustable OL</p>	1	no	4651.03	Four Thousand Six Hundred and Fifty One Rupees Three Paisa only	4651.03

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25	90.16.1.2 Supply and drawing bare earthing conductors of the following sizes along with wiring/ cables and giving connection as required.2.65 mm copper conductor (12 SWG)	80	meter	44.91	Fourty Four Rupees Ninty One Paisa only	3592.80
26	90.16.5.2 Supply of superior quality copper earth socket for the following size of earth conductor including crimping etc. as required.2.65 mm (12 SWG)	4	each	24.98	Twenty Four Rupees Ninty Eight Paisa only	99.92
27	9.1.21 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 35 sq. mm (32mm)	2	set	356.60	Three Hundred and Fifty six Rupees Sixty Paisa only	713.20
<b>Total</b>						278913.38
<b>GRAND TOTAL after round off:</b>						<b>278913.00</b>

***Rs.2,78,913/- (Rupees Two lakh Seventy Eighty Thousand Nine hundred and Thirteen only)***

I / We agree to undertake the above mentioned work:-

- 1) At the estimate rate.
- 2) At .....% below the estimate rate.
- 3) At .....% above the estimate rate.

Rate should be quoted both in figures and words

**CONTRACTOR**

**ASSISTANT EXECUTIVE ENGINEER**

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