

**PONDICHERY UNIVERSITY  
ELECTRICAL WING**

**SCHEDULE OF WORK**

**Name of Work:** Internal and External Electrification to Beauty parlour near men's hostel additional toilet block at Rajiv Gandhi cricket stadium and providing 6 nos. of pipe earthing at various location in university campus.

<b>Item No.</b>	<b>Description of Item</b>	<b>Qty.</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
1.	Wiring for light point / fan point / exhaust fan point / call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FR PVC insulated copper conductor single core cable etc., as required.	10 Point	Each		
2.	Wiring for light point/ fan point/ exhaust fan point/call bell point with 1.5 Sq mm FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required. Group C.	26point	Each		
3.	Supplying and fixing following Modular front cover plates with PVC modular box in recess/ on surface as required. Make: (Anchor/Legrand/MK)  a. 9 modular.	8nos	Each		
4.	Supplying and fixing following modular switch/socket on the existing modular plate & switch box/ including connections etc. as required. Make: (Anchor/Legrand)  a. 5/6 amps modular switch. b. 5/6 amps 3 pin modular socket. c. 15/16 amps switch d. 6 pin 15/16 amp socket outlet e. Blanking plate.	14nos. 14nos. 10nos. 10nos. 5nos.	Each Each Each Each Each		
5.	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc., as required. Make: (Anchor/Legrand)	2nos.	Each		

6.	<p>Supplying and fixing of following sizes of PVC conduit along with accessories in surface/recess conduit including cutting the wall and making good the same in case of recessed conduit as reqd.</p> <p>a. 20 mm</p> <p>b. 25mm</p>	75mtr 100mtr	Mtr Mtr		
7.	<p>Supplying and drawing following sizes of FR PVC insulated copper conductor, single core cable in the existing surface/recessed steel/PVC conduit as required. Make: Polycab/RRKable</p> <p>a. 3 x 1.5 sq mm</p> <p>b. 3 x 2.5 sq mm</p> <p>c. 3 x 4 sq mm</p>	75mtr 30mtr 25mtr	Mtr Mtr Mtr		
8.	<p>Supplying, installation, testing and commissioning of surface/ recess mounting, following way, double door vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly phosphatized and powder painted, inclusive of 200 amps tinned copper busbar, common neutral link, earth bar, din bar for mounting MCB's, detachable gland/knock out plate, and interconnections between incomer and busbars of following ways (but without incomer and MCB's) as reqd. (Legrend/Hager). 4 way MDS Cat No. 6077 50.</p>	1no.	Each		
9.	<p>Supplying and fixing 20amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 amps SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required. ( Legrand /Hager) (MDS Cat no. 6078 41).</p>	1no.	Each		
10.	<p>Supply &amp; fixing of following rating C series, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connection, testing and Commissioning etc., as required. Single Pole – (Legrand / Hager).</p> <p>a. 6A to 32A single pole MCB.</p> <p>b. 63A 3pole MCB.</p> <p>c. Single pole blanking plate</p>	10nos. 1nos. 5nos.	Each Each Each		

11.	Supply, Installation, testing and commissioning of 1200mm sweep ceiling fan, including wiring the down rod length upto 1.2 mtr with 1.5 sq.mm PVC insulated, copper conductor FRLS single core cable including suitable fan hook as required. [Accepted makes: Crompton (RIVERA model)/ USHA JET]	2 nos.	Each		
12.	Supply, Installation, testing and commissioning of following prewired fluorescent fittings/ with all accessories and tubes etc. directly on false ceiling including connections with 1.5 sq.mm PVC insulated, copper conductor FRLS single core cable etc., as reqd.  a. 1 X 40 Watts / 36 Watts Box type fluorescent fittings (Philips Cat No. TMS 0211xTL-D36W I or Crompton Cat No. DJB1214LSB)  b. 2 x 36 W mirror optic recess type fluorescent fitting (Philips cat no. TBS518 2 x TL-D36W EBE. or Crompton cat no.CRFG14236EB)  c. 2 x 18W CFL fitting. ( Crompton Greaves TLE218 2 x 18W CFL/ Philips).  d. Bulk head fitting with 9W lamp (make: Crompton :ICBH10)	2nos.	Each		
		4nos.	Each		
		1no.	Each		
		26nos.	Each		
13.	Supplying, installation, testing and commissioning of SV lamp on existing outer wall of building. Including supplying and fixing suitable GI pipe bracket made out of 40mm dia "B" class GI pipe 1.2 mtr. length with suitable bracket, bent to required shape and with necessary clamps with bolts and nuts for fixing on wall giving connection with 3x2.5 sq mm wire, testing painting the bracket etc., as reqd. ( SV lamp fitting shall be of Philips cat no. SGP301 1xSON70W PC.	2nos.	Each		
14.	Supply of one number PVC insulated and PVC sheathed armored aluminum conductor power cable 1.1 KV grade of size 4 x 25 sqmm. etc as reqd.Make: Finolex/Polycab/Havells/Universal/RRKable	70mtr	Mtr		

15.	Laying of one number PVC insulated and PVC sheathed armored aluminum conductor power cable 1.1 KV grade of size 4 x 25sqmm direct in ground i/c excavation sand cushioning protective covering and refilling the trench etc as reqd.	100 mtr	Mtr.		
16.	Laying of one number PVC insulated and PVC sheathed armored aluminum conductor power cable 1.1 KV grade of size 4 x 25 sqmm. on surface/hume /metal pipe etc as reqd.	15mtr	mtr		
17.	Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed/XLPE allu conductor cable of 1.1kv grade as required.  a. 4 x 25 sq mm	2nos.	Each		
18.	Earthing with G.I earth pipe 4.5 mtr long 40 mm dia (medium class ) including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc .with charcoal and salt as required.	6nos.	Each		
19.	Providing and fixing 4mm dia copper wire on surface or in recess for loop earthing along with existing surface/recessed conduit/submain wiring/cable as required.	150 m.	mtr		
<b>Total</b>					