

**PONDICHERRY UNIVERSITY
ELECTRICAL WING**

SCHEDULE OF WORK

Name of Work: Internal and External Electrification of 6nos. of experimental work sheds for Pollution control at Pondicherry University.

Sl. No.	Description of Items	Qty	Unit	Rate	Amount
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/trace/ recessed 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) make: Anchor/kundan.	35Pts.	Points		
2.	Supplying and fixing following piano type switch/socket on the existing switch box/ cover including connections etc. as required. a. 5/6 amps switch. b. 5/6 amps 3 pin socket.	20 nos. 20 nos.	Each Each		
3.	Supplying and fixing stepped type piano fan regulator on the existing switch box cover including connections etc, as required.	6 nos.	Each		
4.	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting and suitable slot cutting etc as required. a. 200mm x 150mm x 60mm deep	12nos.	Each		
5.	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. a. 20mm b. 25mm	100m 60m	Mtrs Mtrs		
6.	Supplying and drawing following sizes of FR PVC insulated copper conductor, single core cable in the existing surface/recessed steel/ PVC conduit as required. Wire Make: Polycap / RR Kable. a. 3 x 2.5sq mm b. 3 x 6 sq mm	180 m 50m	Mtrs mtr		

7.	Supply, installation testing and commissioning of following prewired fluorescent fittings/ with all accessories and tubes etc., directly on wall/trace including connections with 1.5 sq mm PVC insulated, copper conductor, single core cable etc., as required. 1 X 40 W Box type fitting (crompton cat DJB1214LDB or Philips Cat no. TMS 021/136 LPF)	25nos.	Each		
8.	Supply, Installation, testing and commissioning of 1200mm sweep ceiling fan, including wiring the down rod of length upto 1 mtr with 1.5 sq.mm PVC insulated, copper conductor FRLS single core cable etc. as reqd. (With resistance type regulator)[<u>Accepted makes: Crompton (RIVERA model)/ Orient (SUMMER COOL model)</u>]	6nos.	Each		
9.	Supply, Installation testing & commissioning of industrial type exhaust fan of 300mm sweep, 1400 RPM with metallic blade and Louver/grill etc., in the existing opening, including making the hole to suit the size of the above fan, making good the damage, connections, testing, commissioning etc. as required (Exhaust fan shall be of Bajaj/USHA/Crompton Only)	6nos.	Each		
10.	Supplying installation and commissioning of metal halide fitting on existing wall of building including necessary clamps with bolts and nut for fixing connection etc as required. Philips cat no. SNF114 1xHPI T 250w WB.	1no.	Each		
11.	Supplying and fixing of 8way pre wired, single pole and neutral, prewired, sheet steel, MCB double door distribution board, 240 volts, on surface/recess, complete with loose wire box, terminal blocks, tinned copper busbar, neutral link, earth bar, din bar, detachable gland plate, interconnections, phosphatized and powder painted including earthing etc as reqd. (But without MCB/RCCB/Isolator). (Legrand / Hager) make MDS 6077 11.	6nos.	Each		

12.	Supplying and fixing following rating and pole 240 volts, 'C' series, miniature circuit breaker suitable for lighting and other loads in the existing MCB DB complete with connections, testing and commissioning etc. as reqd. (Legrand/Hager). a. 6A to 32A single pole MCB b. 32amps double pole MCB	20nos. 6nos.	Each Each		
13.	Supply of one number PVC insulated and PVC sheathed/XLPE armored aluminum conductor power cable 1.1 KV grade of size 4 x 16 sq mm.	400mtr	Mtr		
14.	Laying of one number PVC insulated and PVC sheathed armored aluminum conductor power cable 1.1 KV grade of size 4 x 16 sq mm on surface/Pipe/trench etc as reqd.	400mtr	Mtr		
15.	Supplying and making end termination with brass compress ion gland and aluminum lugs for following size of PVC insulated and PVC sheathed/XLPE alu conductor cable of 1.1kv grade as required. a. 4 x 16 sq mm.	12nos.	Each		
16.	Earthing with G.I. earth pipe 4.5 mtr long, 40 mm dia (medium class) includes accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal and salt as required.	2 set	set		
17.	Providing and fixing 8 SWG dia copper wire on surface or in recess for loop earthing as required.	40mtr	mtr		
			Total		

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