

**PONDICHERY UNIVERSITY
ELECTRICAL WING**

SCHEDULE OF WORK

**Name of the work: Internal Electrification to Bio Technology New Laboratory,
Pondicherry University.**

S. No.	Description of Item	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 / 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. (Group - C) make: MK / Legrand.	18	Each		
2)	Supplying and fixing following modular switch/socket on the existing modular plate & switch box/ including connections but excluding modular plate etc. as required. Make: MK/Legrand a. 6 amps modular switch. b. 6 amps 2/3 pin modular socket. c. 16amps modular switch d. 6/16amps 3 pin modular socket	6 6 4 4	Each Each Each Each		
3)	Supply and fixing 12 modular front cover plates with 12 modular PVC box on surface as required. Make: (MK/Legrand)	2	Each		
4)	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding, modular plate etc., as required. Legrand/MK	7	Each		
5)	Supplying and fixing of blanking plate on the existing switch box/DB as required. Modular Blanking plate. MK/Legrand	5	Each		
6)	Supplying and fixing of following sizes of ISI marked 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 c. 32mm	25 50 30	Metre Metre Metre		

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. Wire Make: Polycap / RR Kable/Finolex.</p> <p>a. 3x2.5sq mm</p> <p>b. 6x2.5sq mm</p> <p>c. 3 x4 sq.mm</p> <p>f. 6x4sq.mm</p> <p>d. 4x10 + 2x6 sq.mm</p> <p>e. 2x10 + 1x6 sq.mm</p>	40	Metre		
8)	<p>Supplying and fixing of 12 way prewired single pole and neutral, sheet steel, MCB consumer unit, 240 Volts, on surface/recess, complete with tinned copper busbar, neutral link, earth bar, din bar, hinged front metallic double door for the MCB knobs, detachable gland plate, interconnection, including painting, earthing etc as required. MAKE: (Legrand/Hager).</p>	1 no.	Each		
9)	<p>Supplying, installation, testing and commissioning of surface/ recess mounting, 8 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, (but without incomer and MCB's) as reqd. (Legrend/Hager). MDS cat no. 6077 51.</p>	1 no.	Each		
10)	<p>Supplying and fixing of following way prewired, sheet steel MCB enclosure, on surface /recess, complete with loose wire box terminal blocks and powder painted including earthing etc., as required. (Legrand / Hager). (Legrand Cat. Nos. 6078 84) 4 way Enclosure.</p>	7 nos.	Each		
11)	<p>Supplying and fixing following rating 'C' series miniature circuit breaker suitable for lighting and other loads in the existing MCB DB complete with connection, testing and commissioning etc as required. Make: Legrand/Hager.</p> <p>a. 3 pole 63 amps</p> <p>b. 6 to 32 amps single pole</p> <p>c. 2 pole 40MCB</p>	5 nos.	Each		
		25 nos.	Each		
		6 nos.	Each		

12)	Supplying and fixing 20amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 amps 'C' series, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required. (Hager /Legrand, Cat no. 6078 41).	3 nos.	Each		
13)	Supplying, installation testing and commissioning of following prewired fluorescent fittings with all accessories and tubes and supporting chain etc., directly on false ceiling, including connections with 1.5 sq mm PVC insulated, copper conductor, single core cable etc., as required. a. 2 X 40 Watts / 36 Watts fluorescent fitting (Crompton Greaves cat no. CRFG 1324 HSB / Philips cat no. TBS 518 2xTLD 36 W EBE)	11	Each		
14)	Supply, Installation, testing and commissioning of 1200mm sweep ceiling fan, including down rod of length upto 1.20 mtr with 1.5 sq. mm PVC insulated, copper conductor FRLS single core cable etc.,as reqd. Make: Crompton (RIVERA model)/ Orient (SUMMER COOL model)]	7	Each		
15)	Providing and fixing cable management system of size 100/105mm x 50mm with suitable accessories such as couplers, end caps, cable retainer at an interval of 0.5 meter suitable for fixing socket outlets on mounting boxes but without switches, sockets and boxes. MK / Legrend.	35	metre		
16)	Supplying and fixing suitable size of mounting box suitable for the above cable management system (100/105mm x 50mm) with modular plates in front including providing and fixing 1 number 3 pin 6/16 amps. modular type socket outlet and 1 number 16 amps. Modular type switch making connections etc., as required. MK/Legrend.	52	Each		
					Total