

**PONDICHERRY UNIVERSITY
ELECTRICAL WING
SCHEDULE**

**Name of Work: Providing power points for establishing laboratory in Science Block II
for the Department of Astrophysics.**

Item No.	Description of Item	Qty.	Unit	Rate	Amount
1.	Supplying and fixing following Modular front cover plates with PVC modular box in recess/ on surface as required. Make: (Anchor/Legrand/MK). a. 6 modular b. 9 modular	25nos 25nos	Each Each		
2.	Supplying and fixing following modular switch/socket on the existing modular plate & switch box/ including connections but including modular plate etc. as required. Make: (MK/Legrand/ Anchor) a. 5/6 amps modular switch. b. 5/6 amps 3 pin modular socket. c. 15/16 amps modular switch. d. 15/16 amps 6 pin modular socket.	75nos 75nos 50nos 50nos	Each Each Each Each		
3.	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. 20 mm b. 25 mm	100mtr 100mtr	Mtr mtr		
4.	Providing and fixing on surface of the following size cable management system plastic trunking and flexible cover as required. Make: (Legrand/MK) Plastic Trunking 50mm x 50mm	36mtr	mtr		
5.	Supplying and fixing following accessories suitable for 50mm x 50mm cable management system. a. End caps b. Cable Clips	4nos. 25nos.	Each Each		
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. Make : (Polycab, RR kable, Anchor and Finolex) a. 3 x 1.5 sq mm b. 3 x 2.5 sq mm	150mtr 150mtr	Mtr Mtr		

	c. 3 x 4 sq mm	75mtr	Mtr		
	d. 3 x 6 sq mm	100mtr	Mtr		
7.	Supplying and fixing of 12way pre wire, 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 12.	4nos	Each		
8.	Supplying and fixing 4 way prewired sheet steel, MCB enclosure box on surface/recess, detachable gland plate, powder painted, including earthing etc as required.	4nos.	Each		
9.	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).	4nos.	Each		
10.	Supplying and fixing following rating, '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. 32 amp Double pole MCB. b. 40A to 63A Double pole MCB c. 40A to 63A 3pole MCB. d. 40A to 63A 4 pole MCB. e. 6 amp to 32 amp single pole MCB. f. Single pole blanking plate.	2nos. 3nos. 1nos. 1nos. 20nos. 20nos.	Each Each Each Each Each Each		
11.	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.	1nos.	set		
12.	Providing and fixing 8 SWG dia copper wire on surface or in recess for loop earthing as required.	60mtr	mtr		
Total					

