

**PONDICHERY UNIVERSITY
ELECTRICAL WING**

SCHEDULE OF WORK (SCHEDULE 'A')

Name of Work: Internal and External electrification of Animal House-II for Aquatic Marine Animal House near CIF.

Item 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 medium class PVC conduit, with modular switch, modular switch, modular plate, suitable GI box and earthing the point with 1.5sq mm FR PVC insulated copper conductor single core cable etc as required. (Group C) make: MK/Legrand.	12pt	point		
2.	Supplying and fixing following Modular Metal box and front cover plates in surface/recessed as required. Make: (MK/Legrand/Anchor) a. 6 modular. b. 9 modular	5 nos. 3 nos.	Each Each		
3.	Supplying and fixing following modular switch/socket on the existing modular plate & switch box/ excluding 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.	4nos. 4nos. 16nos. 16nos.	Each Each Each Each		
4.	Supplying and fixing of following sizes of medium class 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. make: Avonplast, Modi a. 20 mm b. 25 mm	30mtr 40mtr	Mtr Mtr		

5.	<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, RR kable, Anchor and Finolex)</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> <p>d. 6 x 4 sq mm</p>	30 mtr	Mtr		
6.	<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 bus bar, common neutral link, earth bar, din bar for mounting MCB's, detachable gland/knock out plate, (but without incomer and MCB's) as required. (Legrand / Hager) MDS cat no. 6077 50.</p>	1 no.	Each		
7.	<p>Supplying and fixing 4 way prewired sheet steel, MCB enclosure box on surface/recess, detachable gland plate, powder painted, including earthing etc as required.</p>	2nos.	Each		
8.	<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>	1 no.	Each		
9.	<p>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).</p> <p>a. 32 amps Double pole MCB.</p> <p>b. 32 amps 4pole MCB.</p> <p>c. 63A 3pole MCB.</p> <p>d. 6 amps to 32 amps single pole MCB.</p> <p>e. Single pole blanking plate.</p>	1 no.	Each		
		1 no.	Each		
		1 no.	Each		
		6 nos.	Each		
		15 nos.	Each		

10.	Supply, Installation, testing and commissioning of 1200mm sweep ceiling fan, including wiring the down rod with 1.5 sq.mm PVC insulated, copper conductor FRLS single core cable etc., as required. (Crompton/USHA Wind, Zipp, Ace star)	3 nos.	Each		
11.	Supply, Installation, testing and commissioning of industrial type exhaust fan of 300mm sweep, 1400 RPM with metallic blade and louver/grill etc., including making the hole to suit the size of the above fan making good the damage etc., as required. (Bajaj/USHA/Crompton Only)	2 nos.	Each		
12.	Supplying, installation, testing and commissioning of 25W LED fitting operating in 230V single phase 50HZ AC supply on existing outer wall of building. Including supplying and fixing suitable GI pipe bracket made out of 32mm dia "B" class GI pipe 1 mtr length with suitable bracket, bent to required shape and with necessary clamps with bolts and nuts for fixing on wall giving connection with 3x1.5 sq.mm wire, painting the bracket etc., as required, Make: Crompton cat no. LSTO-25-CDL.	2 nos.	Each		
13.	Supply, Installation, testing and commissioning of following prewired fluorescent fittings with all accessories and tubes etc. direct on ceiling including connections with 1.5 sq.mm PVC insulated, copper conductor single core cable etc., as reqd. a. 2 x 36W box type Philips cat no. TMS021 2 x TL -D 36W IC and Crompton Greaves. b. 1 x 36W box type fitting Philips TMS021 and Crompton Greaves.	5 nos.	Each		
		2 nos.	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	95 mtr	Mtr		
15.	Laying of one number PVC insulated and PVC sheathed/XLPE power cable 1.1 KV grade upto 35 sq.mm size direct in ground i/c excavation, sand cushioning, protective covering and refilling the trench etc as reqd.	85 mtr	Mtr		
16.	Supplying and making end termination with brass compression 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 25 sq mm	2 nos.	Each		
17.	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.	1 set	set		
18.	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.	18 mtr	mtr		
19.	Supplying and making cable route marker with cement concrete 1:2:4(1 cement: 2 coarse sand: 4 Graded stone aggregate 20 mm nominal size) of size 30cm x 30cm x 30cm at the bottom with 35mm x 35mm x 6mm iron angle 60 cm long and 10cm x 10cm x 6mm thick GI plate mark of (PU/LT CABLE) fixed in the iron angle as required.	5 nos.	Each		
TOTAL					

Signature of the Firm / Contractor

Signature of A.E(E)

