

**PONDICHERRY UNIVERSITY  
ELECTRICAL WING**

**SCHEDULE OF WORK**

**Name of Work:** Providing UG cable between Sub Station VII to Amudham Mess feeder pillar in University Campus.

Item No.	Description of Item	Qty.	Unit	Rate	Amount
1.	Supply of one number XLPE insulated, sheathed armoured aluminium conductor power cable 1.1 KV grade of following size as required. <b>Make:</b> Polycab/Havells/Universal/Finolex/RR Kabel  a. 3.5 x 240 sq.mm	350 mtr	mtr		
2.	Laying of one number PVC insulated and PVC sheathed /XLPE aluminium conductor cable of 1.1 KV grade of following size direct in ground including excavation, <b>river sand</b> cushioning, protective covering and refilling the trench etc., as required.( <b>Manual excavation</b> )  a. Above 185 sq mm and upto 400 sq.mm	330 mtr	mtr		
3.	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/Hume/Metal pipe as required.  a. Above 185 sq.m and upto 400 sq.mm	20 mtr	mtr		
4.	Excavation along the existing UG cable route and identify the fault location and re laying the one number PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade of following size direct in ground including, sand cushioning, protective covering and refilling the trench etc, as required.(Manual excavation)  a. Above 185 sq.mm and upto 400 sq.mm	200 mtr	mtr		

5.	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE alu conductor cable of 1.1 KV grade as required. a. 3.5 x 240 sq.mm	2 Nos	Each		
6.	Supplying and making straight through joint with cast resin compound including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required. a. 3.5 x 240 sq.mm	2 Nos.	Each		
7.	Providing and laying 150mm dia RCC pipe NP2 class across the road / pavement etc including cutting the road, excavation, refilling etc as required.	12 mtr	Mtr		
8.	Providing cement concrete 1:3:6(1 cement: 3 coarse sand:6 graded stone aggregate 20mm size) of 5" thickness in the road cutting, curing etc., as reqd.	1 cum	cum		
9.	Supplying and making cable route marker with cement concrete 1:2:4(1 cement: 2 coarse sand : 4 graded stone aggregate 20mm nominal size) of size 30cm x 30cm x 30cm at the bottom with 35mm x 35mm x 6mm iron angle 60cm long and 10cm x 10cm x 6mm thick GI plate mark of (PU LT CABLE) fixed in the iron angle as required.	25 nos.	Each		
<b>TOTAL</b>					