

**PONDICHERRY UNIVERSITY
ELECTRICAL WING**

SCHEDULE OF WORK

NAME OF WORK: Supply and Erection of 7.5HP submersible pump set with water line and UG cable laying work for new tubewell near Gate no. II at Pondicherry University.

Sl. No.	Description of work	Qty.	Unit	Rate	Amount
1.	Supply of (Industries) 7.5HP submersible motor with 8stage Pump, 65mm delivery. Make: Texmo. Model: TARO. /MBH/KSB	1 set	Set		
2.	Supply of 15HP Star - Delta starter. Make : Bhartia cutler hammer	1 no.	No.		
3.	Supply and laying of 3core x 4 sq mm flat cable. Make: Finolex, polycab.	130 mtr	Mtr		
4.	Fabrication, supply, installation, testing and commissioning of panel board, fabricated out of 2mm thick MS sheet steel, totally enclosed dust and vermin proof, suitable for operation on 3 phase 415 V, 4 wire AC supply system, having suitable cable entry arrangement with detachable gland plate, duly powder coated, including supply and fixing the following switch gear, interconnection with suitable size of copper wire connections, earthing labeling etc., complete as required. The panel size not less than 0.55m x 1m. Make :L&T. <u>A. Incoming.</u> a. 125A TPN/415V/50Hz SDFU with DIN type HRC fuses-..... 1No. b. 0-500V, meter with selector switch etc ...1set. c. 0 - 100A meter with selector switch, suitable CT coil etc ...1set. d. Phase indicating lamps with holder switches.... 1 set. e. on/off push button 2nos.	1 job.	Job		
5.	Supplying PVC insulated PVC sheathed / XLPE aluminium conductor of 1.1KV grade armoured UG cable conforming to relevant ISI specifications as follows. Make: polycab/Havells/Universel/RRKable/Finolex. a) 4 X 35sq.mm	100 mtr	Mtr		

6.	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, river sand cushioning, protective covering and refilling the trench etc as required. (Manual excavation.) a. Above 35sqmm and upto 95sq.mm	80 mtr	Mtr		
7.	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required. a. Above 35sqmm and upto 95sq.mm	20 mtr	Mtr		
8.	Supplying and making end termination with double compression brass gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum conductor UG cable of 1.1KV grade as required. a) 4 X 35sq.mm	2 nos.	No.		
9.	Earthing with G.I. earth pipe 4.5 mtr long, 40 mm dia (medium class) is 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		
10.	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required.	40 mtr	Mtr		
11.	Supply of 2 ½" PVC medium class pipe in (3mtr length). With male / female Sq. threaded at each end. Make: Ashirvad.	12 length	Length		
12.	Supplying fixing 2 ½" M.S clamp with bolt & nut.	2 set	Set		
13.	Supply of 2 ½" PVC Adopter. Make : Ashirvad	1 no.	No.		
14.	Supply and fixing 2 ½" G.I Bend with thread and shellock. Make: Zenith, TATA	3 nos.	No.		
15.	Supply and fixing 2 ½" G.I Ell bow. Make: Zenith, TATA	2 nos.	1 no.		
16.	Supply and fixing 2 ½" G.I Pipe nipple (12"). Make: Zenith, TATA	7 nos.	1 no.		
17.	Supply and fixing 10" x 65mm M.S dummy plate.	1nos.	1 no.		

18.	Supply and fixing 2 ½" non return valve with thread and shellock.	1 no.	1 no.		
19.	Supply and fixing 2 ½" brass half turn valve with thread and shellock.	2 nos.	1 no.		
20.	Supply and fixing 2 ½" G.I Tee with thread and shellock.	2 nos.	1 no.		
21.	Supplying and laying 6" PVC pipe 6Kg. Make: Finolex.	6 mtr	Mtr		
22.	Supply and fixing 2 ½" G.I pipe with thread and shellock.	6 mtr.	Mtr		
23.	Supply of 2 ½" PVC 6Kg water pipe. Make: Finolex.	90 mtr	Mtr		
24.	Laying of 2 ½" PVC 6kg water pipe with accessory like solution, PVC coupling, PVC Ell bow etc., direct in ground including excavation of 750mm depth and refilling the trench etc as required.	90 mtr	Mtr		
25.	Supply and fixing 2 ½" PVC Tee.	1 no.	1 no.		
26.	Supply and fixing 2 ½" PVC end cap.	1 no.	1 no.		
27.	Supply and fixing 2 ½" PVC MTA with thread and shellock.	1 no	1 no.		
28.	Supplying and fixing 2 ½" flange.	2 set	1 set		
29.	Labour charges for erection and testing of 7.5HP submersible motor Pump with power cable rubber compound jointing, deliver GI pipe etc as required.	1 job	job		
				Total	