

**Central Mechanical Engineering Research Institute, Durgapur**  
**Engineering Service Division (Electrical)**

**Name of the work : Electrical works for Illuminating the east side of Canteen surrounding area,  
CSIR-CMERI Durgapur.**

S.No.	Description	Qty.	Unit	Rate (Rs)	Amount (Rs)
1	Supply of 1.1 KV grade PVC round sheathed multicore, Copper conductor armoured control cables conforming to IS 7098 ( Part - 1) 1988 and ISI marked of following sizes.				
a)	3 core x 2.5 Sq. mm 2XWY/2XFY cable.	150	Mtr		
2	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required. Upto 35 sq. mm	140	Metre		
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)	Upto 35 sq. mm	15	Metre		
4	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade as required.				
a)	2 X 6 sq. mm (19mm)	2	Set		
5	Digging of hole bellow the metal road by jack push method and providing 50mm dia medium GI pipe (including supply of GI pipe).	10	Metre		
6	Supplying and fixing of 230V AC, 50W, IP66 defuse LED area light fittings (green and white colour) with all accessories and fixing, connection, testing, commissioning as required. (Philips or equivalent.)	6	Each		

**Total Rs.**

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**Make of Electrical material**

S.No.	Item	Make
1	1.1 KV grade XLPE insulated, PVC seathed, Gloster/polycab/equivalent Aluminium conductor armoured power cables	
2	Light fittings:-	Philips / Decolux / C&S/equivalent
3	GI Pipe	Tata/Jindal/equivalent

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