

**BOQ**

**Name of work: Supply and Laying of additional power cable to the newly renovated IRCTC canteen from old AC plant at IITG campus**

SI no	Item	Unit	Qty	Rate in fig	Rate in words	Amount
1	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					
2	Above 95 sq. mm and upto 185 sq. mm (clamped with 25/40x3mm MS flat clamp)	meter	220			
3	Supply of 3.5C,95Sq mm,1.1KV(Un earthed) power cable-stranded, compacted circular, Aluminium conductor, Screened with Back extruded semi conducting compound and copper tape ((the conductor screen to be applied in tripple extrusion dry cured process), Cores laid up, extruded PVC (Type ST2) inner sheathed, single layer of flat galvanized steel strip armoured and extruded black PVC (type ST2) outer sheathed conforming to IS:7098 part-2	meter	220			
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					
4a	3½ X 95 sq. mm (45mm)	each	2			
5	AC PANEL	each	1			
	i) 1 No.160A 4P MCCB complete with Over current & S/C protection as incomer					
	ii) 3Nos. 63A TPN MCB as outgoing					
	iii) 3Nos. 32A TPN MCB as outgoing					
	iv) 3Nos. 20A DP MCB as outgoing					
	v) 96 mm <sup>2</sup> Voltmeter 0 - 600V with Voltmeter selector switch - 1 No					
	vi) 96 mm <sup>2</sup> Ampmeter 0-250A with Ampmeter selector switch - 1No					
	vii) 3 Nos. CT's 250/5A 10VA Class-I accuracy					
	viii) 3 Nos. indicating lamps (LED Type)					
	ix) TPN Aluminium busbar mounted on non-hygroscopic insulator supports - 1x100x6 mm electrical grade bar for phase 1x80x6 mm electrical grade bar for neutral					
x) Two Nos. 10 mm stud type earth terminals G.I. earth bus bar arrangement						
<b>Total</b>						

Note: quoted rates are inclusive of GST

SEAL AND SIGN OF BIDDER