

International Centre for Theoretical Sciences
Tata Institute of Fundamental Research

Name of Work: Supply, Erection, Testing and Commissioning of Landscape Lighting Cables and Accessories

Schedule of Quantities

NIT NO: ICTS/TIFR/ELEC/2016-17/01 Dt: 19/10/2016

Sn o.	ITEM DESCRIPTION	UNIT	QTY	Rate	Amount
1	Aluminum cable, 4C, 16sqmm, 1.1 Kv, XLPE armoured cable. Manual trench of 1200mm×200mm size with 100 mm sand bedding and bricks covering.	MTR	1000		
2	Supply, Laying, Testing and Commissioning of Aluminum cable for the existing street light of length 150 meter (Work includes replacement of damaged cable by new cables). Aluminum cable, 4C, 16sqmm, 1.1 Kv, XLPE Armoured cable	MTR	150		
3.	Copper cable 3C, 2.5 sqmm FRLS cable suitable for landscape lighting HDPE pipe of dia 32/40 mm including manual trenching and backfilling at depth of 600 mm.	MTR	3700		
4.	Terminal box of size 190×380×180 mm suitable for Low voltage buried under earth at depth of 200 mm with all accessories for aluminum and copper cable termination, PCC bedding, earthing connection with cast resin on terminal	No	8		
5.	16 sqmm Aluminum cable end termination with proper accessories	No	20		

6	Supply, installation of oval/circular shaped GI cable marker engraved as LT cable. Through joint complete with 32 mm dia NB medium GI pipe support as per IS 1239 with 1:2:4 pcc base concreting G.I nut bolts, including excavation in all types of soil upto required depth and refilling etc as per drawing specification.	No	50		
7	8 SWG GI wire	MTR	1000		
8	Tinned Cu, earth plate electrode 600×600×3 mm earth station 2 meter below ground level conforming to IS 3043. Complete with all require material like coke charcoal salt brass nut-bolt and washers, watering arrangement, G.I pipe (B-class) concrete chamber, 10 mm thick chequered plate hinged covered mounted on 40×40×5 mm thick angle iron frame and excavation in all types of soil in ground refilling and removal of excess earth within radius of 500 meter.	No	9		
9	Tinned copper earth wire/ earth strip fixed on wall/side of trench/slab/column/beam/shaft connection to panels/DBs/SFUs/RACK etc with 5 mm thick GI spacer and 2 mm thick GI saddle in ground at 750 mm. below including excavation in ground with protective baked bricks, excavation in ground, refilling and backfilling of trench. Interconnection of earth strips/ wire with brass bolt-nut and washers and solder jointing, painting with 2 coats of black bituminous paints for earth wire/strip in ground and green enamel paint for earth wire/ strip on surface etc 25mm×3mm tinned copper strip	Mtr	150		

Notes: The quoted rates should include the supplying, laying, testing, commissioning, normalization charges (if any) and all taxes.

Engineer 'C'
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