

## Bill of Quantity

**SUB:- Annual running contract for general E&M works of Line-1 & Line-3.**

Item No.	Description of Work	Unit	Qty.	*Rate	Amount
1	Repair of earthing pit Size 300/450/600x40/100mm With cement concrete mixture 1:4:8 and Plastering Inner/Outer Wall	Nos.	30		
2	Provision of new earthing by providing GI pipe 40mm dia.B-class, 4.5mtr. Long as per IS/IE Rule/site condition.	Nos.	25		
3	Supply , laying, testing and commissioning of GI strips for interconnecting to earthing stations, panels DBs etc. of the following sizes in builtup trenches/surface/ wall/ ground complete with holes & fixing / jointing/ terminating accessories etc.				
a	25mm x 3mm GI strip	Mtr.	100		
b	50mm x 6mm GI strip	Mtr.	100		
4	Supply, fixing of CI/RCC cover Size 300/450 x50 mm.made With 1:1:2 mixture and suitable for lifting arrangements with existing earthpit.	Nos.	100		
5	Excavation of trench for cable laying in normal soil upto the depth of 800 mm and 400mm width,preparation of sand bad, covering of cable with A class brick ( min. 19 bricks/ meter) refilling & bring in Original condition as per latest IS code & practice .	Mtr.	3000		
6	Excavation of trench by Demolishing of RCC work, removal of pavers & excavation of trench for cable laying in normal soil upto the depth of 800 mm and 400mm width, preparation of sand bad, covering of cable with A class brick ( min. 19 bricks/ meter), refilling, refixing of paver & bring in Original condition as per latest IS code & practice .	Mtr.	1500		
7	Laying and fixing of different type of PVC/XLPE FRLS armoured , copper/aluminium conductor cables on existing trench/cable tray/ wall/trusses with heavy duty G.I Clamps/saddle of suitable size incl. termination of cables with suitable size of crimping sockets and gallants as per latest IS code & practice . <b>NOTE: Cable shall be supplied by DMRC in the store of SHPK/NJF. Loading &amp; transportaion from store to site shall be done by the contractor at his own cost &amp; labour.</b>				
a	Cable Size :- 3/3.5/4 core size from 1.5 mm <sup>2</sup> to 4mm <sup>2</sup>	Mtr.	6000		
b	Cable Size :- 3/3.5/4 core size from 6 mm <sup>2</sup> to 25mm <sup>2</sup>	Mtr.	2000		
c	Cable Size:- 3/3.5/4 core size from 25 mm <sup>2</sup> and upto 400mm <sup>2</sup> .	Mtr.	2000		
8	Supply, laying and fixing of 1" size GI rigid conduit pipe heavy gauge complete with accessories etc. on surface masonry / concrete wall, Pillar etc. with suitable fixing clamps etc. or as per site requirement.				
a	WireSize :- 2x1.5mm sq.+ 1x1.5mm sq. earth wire	Mtr.	400		

	b	WireSize :- 2x2.5mm sq.+ 1x1.5mm sq. earth wire	Mtr.	400		
	c	WireSize :- 2x4.0mm sq.+ 1x2.5mm sq. earth wire	Mtr.	200		
9		Supply , fixing and connection of piano type switch/socket of approved make (MDS, Anchor,MK or other reputed brand, ISI mark ) on the existing lighting board including its termination etc. of details as under				
	a	Switch 6amp. Single pole	Nos.	100		
	b	Switch 16amp. Single pole	Nos.	50		
	c	6A,Five Pin,Switch socket combined unit	Nos.	100		
	d	16A ,Five Pin,Switch socket combined unit	Nos.	50		
10		Supply, fixing,connection, testing & commissioning of MS Gangbox along with suitable size with hylem sheet of 3mm thick of approved make (MDS, Anchor,MK or other reputed brand, ISI mark White colour.				
	a	For 6Amp, switch socket		20		
	b	For 16Amp, switch socket		20		
11		Supply , fixing and connection of white colour modular switch/socket of approved make ( North West, CPL,,Crabtree, ISI mark ) Including its termination etc. of details as under				
	a	Switch 6amp. Single pole, WhM0110	Nos.	50		
	b	Switch 16amp. Single pole, WhM0130	Nos.	50		
	c	Power Socket 6amp. Five Pin., WhM1412	Nos.	30		
	d	Power Socket 16amp. Six pin, WhM1332	Nos.	30		
	e	Modular cover plate for one module, WhCS911M	Nos.	20		
	f	Modular cover plate for two module, WhCS922M	Nos.	20		
	g	Modular cover plate for three module, WhCS933M	Nos.	60		
	h	Modular cover plate for four module, WhCS944M	Nos.	60		
12		Dismantalling of existing 70/150/250/400 watt, Metal Halide / HPSV Flood light fittings from wall/ceiling/fabricated beam upto the height 10 to 30 feet .	Nos.	100		
13		Fixing of 70/150/250/400 watt,Metal Halide / HPSV Flood light fittings on wall/ceiling/fabricated beam upto the height 10 to 20 feet with suitable size of nuts & bolts if required and other related accessories complete in all respect..	Nos.	100		
14		Supply, laying & drawing of FRLS copper multi strand wire in existing 25 m.m dia.G.I conduit pipe provided on surface/concealed in wall/ceiling or as per site.				
	a	WireSize :- 1.5mm sq.	Mtr.	500		
	b	WireSize :- 2.5mm sq.	Mtr.	500		
	c	WireSize :- 4.0mm sq.	Mtr.	300		
15		Supply, fixing, testing & commissioning of four core XLPE straight through LT joint with suitable thimble and opxy resin compound. Make Raychem				

	a	4/3.5x 16 sq mm to25 sq.m.m	Nos.	15		
	b	4/3.5x 35 sq mm to 50 sq.mm	Nos.	15		
	c	3.5x 70 sq.mm	Nos.	10		
	d	3.5x 95 sq.mm & upto 120 sq.mm	Nos.	10		
	e	3.5x150 sq.mm	Nos.	5		
	f	3.5x185 sq.mm upto 225 sq.mm	Nos.	10		
	g	3.5x240 sq.mm	Nos.	5		
	h	3.5x300 sq.mm	Nos.	5		
16		Supply and installation of M.S Junction Box made by 16 gauge M.S sheet suitable for mounting on street light pole duly painted with epoxy grey colour paint.	Nos.	50		
17		Supply, fabrication and installation of cover suitable for pole mounting type junction box.	Nos.	50		
18		Demolishing of partially damaged street light pole foundation and reconstruction of square foundation approx. in size 500x500x500 m.m with concrete mixture 1:2:4 and fixing of junction box if required..	Nos.	50		
19		In Existing earthing Pit Provision of Extension of existing GI 'C' Class Pipe 19mm Dia.length upto 300 to 650mm. With GI union,Socket,Reducer 38mm to 19mm dia Pipe,nut,wire mesh etc.	Nos.	30		
20		Supply and making and termination with suitable al. Lugs for following size of PVC insulated/XLPE, AL conductor cable. Make- Dowells				
	e	4x25 Sq.mm	Nos.	50		
	f	3.5X50 Sq.mm	Nos.	5		
	g	3.5x70 Sq.mm	Nos.	5		
	h	3.5x95 Sq.mm	Nos.	5		
	i	3.5x120 Sq.mm	Nos.	2		
21		Detection & pin pointing of faults in underground LT cable with Fault Locating Machine (FLC)	Nos.	10		
<b>TOTAL</b>						

\*Rates are inclusive of all taxes, duties & levies etc.