

**Bill of Quantity**  
for

**Replacement of defective MV lamp fittings to energy fittings to energy efficient street light LED fittings at all floriculture circles of D-type quarter and replacing defective street poles with new ones and installing additional street pole at various locations under sector1**

Sl. No.	Description of Item	Unit	Qty.	Rate in Figure (in Rs.)	Rate in Word	Amount (Rs.)
1	Laying one 1100V power cables of following sizes direct in ground including excavation, sand cushioning, Protective brick covering and refilling etc. as required					
	Upto 35 sqmm	mtr	120			
2	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend couplers etc. conforming to IS 14930, par II complete with fitting and cutting, jointing etc. in the existing trench, complete as required					
	63mm dia (OD-63mm & ID-51mm nominal)	mtr	10			
3	Laying and fixing of one number PVC insulated/XLPE power cable of 1.1 KV grade of following size on wall surface asrequired (above 35sq.mm and upto 95sq.mm) clamped with 25x3mm MS flat clamp (HDPE size is 63mm dia)	mtr	10			
4	supply and embedding following GI pipe ( medium class) in ground including trenching (75cm deep) and refilling etc as required					
	80mm dia	mtr	12			
5	Erection of metallic pole of following length in cement concrete 1:3:6 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size) foundation including plastering, painting, excavation and refilling etc as required					
	a) Above 4.5 mtr and upto 6.5 mtr	nos.	5			

	b) Above 8 mtr and upto 10 mtr	nos.	3			
6	Earthing with GI earth pipe 4.5mtr long 40mm dia including accessories and providing massoaries enclosure with cover plate having locking arrangment and watering pipe etc with charcoal/ coke and salt as required	nos.	2			
7	Supplying and fixing 5A to 32A rating, 240/415V, 10KA, "C" curve miniature circuit breaker suitable for inductive load of following poles in the existing DB complete with connections, testing and commissioning etc. as required					
	Single pole	nos	3			
8	Supply of following types of voltage grade upto 1100V PVE insulated round sheathed unarmored multicore cable make polycab/KEI/Finolex/RRKabel/Havells or equivalent					
	i) 3C, 2.5 sq.mm cable	mtr	60			
9	Supply of following types and sizes of 1.1 KV grade PVC/XLPE insulated aluminium conductor unarmoured underground cable make Havells/RR kabel/KEI/Finolex					
	i) 4Cx 6 sq.mm cable	mtr	130			
10	Supply, fabrication, installation & commissioning of hot Dip Galvanized 5 mtr long 3mm thick octagonal pole ( Nezone or equivalent) having top dia-70mm, bottom dia-130mm with 200mm x 12mm base plate, 600mm long 4 x 16mm foundation bolt etc. including supplying and fixing of SMC junction box of size 230mm x 170mm x105mm (sintex/Devipolimer/Hensel) with terminal glands, loop in-loop out terminal strip, MCB(5 to 32 Amps) with 1 mtr single arm etc. as required	nos	5			
11	Supply of Hot Dip galvanised single arm bracket having 100mm long with 48.3mm OD pipe for installation of roadway lighting luminaries as required	nos	5			

12	Supply of 60W street light luminaries comprised of single piece diacast housing toughened glass cover and IP65 complete with all accessories as required to provided energy efficient lighting for outdoor application make crompton CAT	nos	15			
13	Supply,Installation, testing & commissioning of steel 9mtr GI octagonal pole-Top dia-70mm, Bottom Dia-155mm, section-1 (section length-7000mm) Thick-3mm. Base plate-260mm x260mm x16mm. Hole in pole at a height of 300mm above the planting depth with single arem bracket 1 mtr long with 33.7mm OD GI pipe and coated with two coats of black bituminous paint through out internally and externally upto the planting depth and the remaining portion above ground shall be painted with two coat of aluminum painting over one coat of red oxide primer and individual spike earthing with 8 SWG wire inclusive of civil foundation work. Foundation Bolt-M24x 750mm (4Nos)					
	Single arm (9 mtr)	nos	3			
14	Supply of 90w LED street lights as per approved brands.(Approved make-Syska /Phillips /Havells/CG/Bajaj	nos	3			
<b>TOTAL AMOUNT</b>						
Discount @ .....%, if any						
<b>GRAND TOTAL</b>						

Seal  
Date :

Signature of the Tenderer