

NIT

नाम:-वार्ड क्रमांक 53 सेक्टर 01 स्वामी विवेकानंद उद्यान में प्रकाश व्यवस्था एवं पेवर ब्लॉक कार्य।

CG PWD Electrical SOR 10.06.2026, Building SOR wef 10.06.2026

SN	PARTICULARS OF ITEMS	Quantity	UOM
A	Electrical Work		
1	Supply of hot dipped galvanized (in single dip to minimum 75 micron) octagonal pole made of 3mm thick steel grade E-350 sheet having window and flush cover with locking arrangement at suitable height from base for cable termination block, pole suitably reinforced with welded steel section at window cut section to make the strength of pole unaffected, with following minimum specifications with 4 way terminal connector including 3mm thick anchor plate, 4 nos 20mm dia foundation bolts of EN8 grade, and as per IS 2062 & BS EN: 10025. (designed for wind speed upto 180km/hr, IS: 875 Part 3) 8 metre high, dia 135mm at bottom and 90mm at top, base plate size 225x225x16mm, foundation bolts 750mm long	10	Each
3	Supply and fixing following street light pole bracket on existing pole made out of 50 mm dia MS "B" class pipe welded to 300 mm long MS pole canopy of suitable dia at a angle of 102.50 including having MS triangular stiffener of size 150 X 50 X 5 mm thick, making arrangement for tightening the bracket with pole by providing suitable size heavy duty nuts and bolts in canopy, painting with one coat of approved steel primer etc. as per specification. Single Over Hang 1.50 metre Long	10	Each
3	Erection of GI octagonal/ tubular/conical pole on existing cement concrete foundation having grouted bolts and nuts, aligning in true vertical position as per specification. 8 metre high	10	Each
4	Designing and providing suitable RCC foundation in Cement Concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) for 3 mere to 12 metre high GI octagonal pole including steel reinforcement form work, embedding 2 nos 50mm dia PVC pipe for cable entry in each foundation, excavation disposal of surplus soil and curing etc. as per specification.	8	cum
5	Providing and making suitable CC pole collar (muffing) in Cement Concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size) of size 0.4 m dia and 0.4 m height from existing CC foundation.	10	Each
6	Supplying, installation, testing and commissioning of following 230/250 volts LED street light fitting with all accessories like driver, heat sink made of die cast aluminium with IP 66 protection and 15 KV surge protection on pole bracket, including connection, earthing, Separate housing for driver etc complete as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio ≥ 120 lumens /watt. 120 watt	10	Each
7	Supplying and fixing SP MCB, 240 volts, 'C' curve, suitable for inductive load in the existing MCB DB complete with connections, testing and commissioning etc. as per specification. 6 amps to 32 amps	10	Each
8	Supplying, laying and fixing following size submersible cable along with GI/PVC/HDPE pipe line or laid in ground etc as per specification and IS: 694 (2010). Note: Cable should be rust proof, safe from oil / Grease and under water Chemical / abrasion Resistant. 3x1.5 sqmm	25	Metre
9	Supplying and laying following sizes one number FRLS PVC insulated /XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade in existing RCC/ HUME/ STONEWARE/ METAL/ HDPE pipe as per specification, IS: 1554 (1988, Part 1) / IS: 7098 (1988, Part 1). 4 x 10 sq. mm.	550	Metre
10	Supplying and making end termination with brass compression gland and aluminum lugs for following size armoured aluminum conductor power cable of 1.1 KV grade as per specification. 4 X 10 sq. mm (22 mm)	40	Each
11	Supplying and laying ISI marked double wall HDPE pipe (IS 14930 Part II) having corrugation on the outer wall and plan surface on inner wall in ground below road, path etc at a depth not less than 40 cm and upto 90 cm including excavation, dismantling of road if required and refilling the trench with excavated material, ramming and making the surface good etc. as per specification. 63 mm outer dia and 50 mm Inner dia	550	Metre
12	Supplying and laying following size medium class G.I. pipe in ground below road, path etc at a depth not less than 40 cm and upto 90 cm including excavation, dismantling of road if required and refilling the trench with excavated material, ramming and making the surface good etc. as per specification. 50 mm internal dia	10	Metre