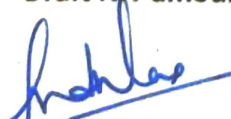


Name of Work: -Provision of GI Octagonal Poles with LED Street Light Fittings along with allied accessories at various locations in Hari Nagar Assembly Constituency (AC-28) under West Zone.

S. NO	PARTICULARS	QTY	UNIT	RATE	AMOUNT
1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct as required. Upto 35 sq. mm	2300	Metre	36	82800
2	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required. Upto 35 sq. mm	4900	Metre	47	230300
3	Earthing with GI earth pipe 4.5 Meter long, 40mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc (but without charcoal/ coke and salt) as required.	120	Each	5958	714960
4	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	5099	Metre	50	254950
5	Supplying and drawing following sizes of FRLS/HFFR PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. 3 x 1.5 sq. mm	1700	Metre	104	176800
6	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc.direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required. 63 mm dia (OD-63 mm & ID-51 mm nominal)	4800	Metre	289	1387200
7	Supplying and erection of galvanised 'D' iron clamps complete with shackle insulator (75 mm X 90 mm), G. I. bolts, nuts and washers, coach screws etc. as required.	50	Set	316	15800
8	Fabrication, supply & erection of 5.0 mtr height, minimum 3 mm thick, bottom dia of 130mm & top dia of 70mm base plate of size 225 x 225 x 12 mm thick flange mounted hot dip galvanized octagonal pole made from HT steel plate, window with flash cover with full verticle window cover at appropriate height from the base plate on existing cement concrete pedestal as required. i/c supplying and fixing of 6 mm thick laminated mounted sheet inside the window and i/c providing and welding 3 nos. GI strips 4 mm thick of suitable length and having suitable size tapped holes as reqd, terminal block suitable for 25 sq mm conductor – 4 nos. & shorting links on DIN channel i/c providing fixing DIN channel of suitable length,, 6 Amp. SPMCB 'C' Curve characteristics, earth stud, cable support clamp suitable for Upto 4x25 sqmm cable. Logo/Name of manufacturer shall be either embossed or Rivited plate on the Pole. Galvanization as per relevant IS code etc as required	282	Each	9229	2602578

9	Providing and laying in position M25 grade reinforced cement concrete foundation of size 450 mm (L) x450 mm (W) and 1000 mm deep i/c excavation of earth, providing cutting, bending and placing in position, reinforcement of cold twisted bars of 12 mm dia- 960 mm long(approx)-8 nos. and reinforcement of cold twisted bars of 8 mm dia1400 mm (approx) -6 nos.(with 150 mm spacing) as required with supplying and positioning of 4 nos. foundation bolts 16 mm dia,600 mm long, J type i/c 2 nos. template anchor plates of size225mmx225mmx3mm and providing DWC HDPE for cable entry and exit as required for 3 m to 5 mtr pole	282	Each	7743	2183526
10	Supplying, installation, Testing & Commissioning of Street light LED fixture powder coated pressure die cast aluminium body with driver as per the requirement with Driver efficiency >85%, Input voltage: 140-270 Volt AC, frequency 50/60 hz, Operating temp range -5 OC to 50 OC, Internal surge protection of 5 KV L,N,E as per IEC 61000-4-5, Driver efficiency >85%,THD < 10% as per IEC 61000-3-2, P. F.≥0.95, IP-66,IK-10, CRI >70, under voltage and over voltage protection, EMIEMC As per CISPR 15, lenses for beam angle as per IESNA type I/II/III as per the width of the road and the project requirement., suitable to fit in up to 65mm dia pipe, life time (LED, Driver & electrical circuitry) of minimum 50000 Burning Hours with 70% of initial Lumen maintained till life ends as per LM80 extrapolation IES TM-21-11 report, CCT 3000°K / 4000°K / 5700°K /6500°K (As per ANSI Bin), SDCM(Standard Deviation Colour Matching) <5, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard complete in all respect i/c external connections with 1.5 sq mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy ≥120 <135 lm/Watt output . LM79 & LM80 Test report and all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminium housing such that LED junction temperature shall not rise above 90°C).45 Watt	282	Each	1744	491808
11	Fabrication supplying and fixing Class B Galvanised single overhang arm bracket made out of 250 mm long galvanized top tube with cap & 1000 mm long 32 mm dia galvanized pipe with tightening bolts complete as reqd	282	Each	1472	415104
12	Providing and laying of HDPE PIPE OF 40mm outer dia with PN 4 rating by hand Moling/Mannual method Confirming to IS 4984	100	Metre	592	59200
13	Providing and fixing of Stainless steel name plate of size 6×8 sq inch made of 20 gauge sheet including engraved name of area representative duly painted along with SS clamp nut bolt etc as required	150	Each	523	78450
14	Supply of XLPE insulated PVC sheathed Al. Conductor Armoured Cable 1.1KV grade conforming to IS- 7098 of following size:- (a) 2x6 sqmm	7200	Metre	95	684000
		Total			9377476

Draft NIT amounting to Rs 93,77,476/- Only may please be approved


EE(E)/WZ


AE(E)/WZ


JE(E)/WZ