

MUNICIPAL CORPORATION BHILAI

NIT

यूनीपोल हाईमास्ट लाईट, मुस्लिम कब्रिस्तान में रामनगर केम्प 01 भिलाई।

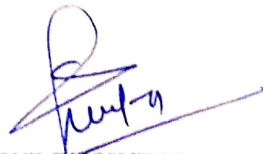
(As Per Electrical S.O.R. 01.06.2020)

S. No.	Details of Item	Qty.	Unit
1	Designing and providing suitable and approved size RCC foundation for 12-30 mere high mast including seel 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 required including laying and fixing HM foundation bolts with tam plates but excluding the cost of foundation bolts with tam plates etc complete as per specification	2	cum
2	Supplying erection testing and commissioning of hot dipped galvanised (single dip, minimum 86 micron) 12 metre High mast pole on existing RCC foundation with all accessories and equipments, main detailed as below to withstand max wind pressure as per IS 875 Part-3: a) HM shaft made of approx weight 340 kg, sheet thickness 3 & 4 mm, nominal dia 360mm on bottom and 150 mm on top, base plate 25mm thick 520mm dia, approved no of sections (not more than 2) having suitable sectional lengths with slip joints between sections without any circumpherential welding. b) Double drum winch with Integral single phase power tool (electrical) for lowering & raising of lantern carriage on high mast with separate handle for manual operation of winch with a torque limiting device for safe locking of carriage. c) Raising/lowering type lantern carriage designed to carry specified nos of luminaries, control gear box, junction box. d) Top pulley assemble with weather proof cover. e) Necessary suitable length and size stainless steel wire ropes (minimum 6mm dia and 7/19 construction) for lowering & rising of lantern carriage. f) Suitable size and length multicore flexible copper power trailing cable (minimum 6 sqmm) g) Hinged service door in base section h) Base plate earthing terminal. i) Suitable arrangement for supply distribution with termination of suitable size underground cable in high mast. j) Lightning conductor finial made of 25mm dia 300 mm long G.I.tube having single prong. k) Anchor plate, tem-plates, GI foundation bolts min 6 Nos of 24mm dia 750 mm long (EN 8 Grade)	1	Nos
3	Supplying and laying following sizes one number FRLS PVC insulated/XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade direct in ground at a depth not less than 40 cm and upto 90 cm including excavtion, sand cushioning, protective covering and refilling the trench etc as per specification, IS: 1554 (1988, Part 1) / IS: 7098 (1988, Part 1). 4 x 16 sq. mm.	45.00	Mtr
4	Supplying and laying following sizes one number FRLS PVC insulated, PVC sheathed, unarmoured, copper conductor control /power cable of 1.1 KV grade on surface/ existing cable tray with 1 mm thick GI saddle as per specification and IS: 694 (2010). 4 x 10 sq. mm	30.00	Mtr
5	Supplying, installation, testing and commissioning of following RGBW LED Flood Light fitting (luminaries) IP 66 Rating, complete with electronic driver heat sink capacitor and all other accessories etc. as per specification. 120 watt	4.00	Nos
6	Supplying and fixing TPN and earth, 440 volts, industrial type, socket outlet, enclosed metal plug top along with MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as per specification. 32 Amp with "C" curve TP MCB	1.00	Nos



ASSTT. ENGINEER

Nagar Palik Nigam, Bhilai



SUB-ENGINEER

Nagar Palik Nigam, Bhilai