


MUNICIPAL CORPORATION OF BHILAI


NIT

कार्य का नाम- वार्ड-70, तालाब में हाईमास्क लाईट लगाने का कार्य

Sno	Particulars	Qty	Unit
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all types of soils.	18.75	cum
2	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all work upto plinth level excluding cost of form work. 1:4:8 (1 cement : 4 coarse sand : 8graded stone aggregate 40mm nominal size).	0.94	cum
3	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	7.61	cum
4	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete: Thermo-Mechanically treated bars FE 415	761.25	Kg
5	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.	15.3	Sqm
6	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M.	11.14	Cum
7	Supplying erection testing and commissioning of hot dipped galvanised (single dip, minimum 86 micron) 25 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 approved no of sections (not more than 3) having suitable sectional lengths with slip joints between sections without any circumferencial welding sheet thickness 3 mm top & 4 mm middle and bottom section, nominal dia 460mm on bottom and 150 mm on top, base plate 25mm thick 670mm dia, PCD of foundation bolts 590mm. 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) 2 Nos 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 3 core 4 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 12 Nos of 30 mm dia	1.00	Each
8	Supplying of following 230/250 volts LED Flood light. 400 watt	20.00	Each

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). 3.5 x 95 sq. mm.	400.00	Metre
10	Supplying and fixing double door MS feeder pillar box with near the high mast tower.	1.00	nos
11	Sully of LED flood light fixture (CG/Model- LSFO- 150 W- CLD/60 or 200 W)	1.00	nos
12	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal and salt as per specification and IS Code 3043: 1987(R 2016)	1.00	Set
13	Page no -D1/1 Supplying and fixing 32A, 450 TPN main switch on iron frame on wall and making connection (Standared make)	1.00	nos
14	S&F 32A Kit kat fuse on wooden board	1.00	nos


Asstt. Engineer
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Sub Engineer
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