

Proposed Estimate for Construction of High Mast

Sl. No.	Discription	Quantity	Unit	Rate in (Rs)	Amount in (Rs)
1	<p>Supply with transpotation at site of polygonal shap 12.5 mtr High mast pole (BPP/Utkarsh) with its accessories. Mast shaft shall be in two section, made from H.T. Steel of grade BSEN10025,S355JO hot dip galvanised and suitable for wind speed 180 km/hr as per IS 875. It should also included acc. for hight mast including head fame, two continuas steel wire rope mm (Grade AISI 316), tailing cable,, double drum winch galvanised lantern carriage arrangement suitable for 6 nos. luminaries installation symmetrically and its control gear box, motor, manual operating handle, motor mounting plate, L staper , Lightning arrester , Junction box, including foundation acc. the mast shall have an intigral power tools installed inside the base compartment for its operation. Luminaries wiring matrials including in the mast supply price. <i>Technical Specification.</i></p> <p>Bottom 340 mm, top- 150 mm thick , 3mm (bottom and top both) section - 2nos, length 6500 mm (Bottom), Baseplate 540 mm dia, baseplate thickness- 25 mm. hole dia- 26 mm, foundation bolt size 24 mm dia Bolt length 850 mm, No of hole 6 nos. Foundation bolt 6 nos. Wire rope 6mm SS 304 grade</p>	1	nos	140420	140420
2	Construction of suitable shallow foundation with 1:2:4 or M20 grade concrete for the high mast considering the safe soil bearing capacity at site as 10T/sqm. At 2X2 mit. Depth with all materials and labour charges (as per drawing)	1	nos	36000	36000
3	Erection of 12.5 m high mast with all acc with the help of suitable equipments or with the help of modern engineering practices	1	nos	18000	18000
4	Supplying and erection of LED avition obstruction light Lumainair (Bajaj 110731)	1	nos	4480	4480
5	Supplying and fixing double door MS feeder piller box with near the high mast tower	1	nos	18000	18000
6	<p>Providing the following component (switching acc.) inside the fidder piller including internal wiring all. Complete for autometic , timely OFF/ON for operating of (6 to 8 nos) 180 LED lighthting fitting.</p> <p>i)63 A 4 pole MCB isolater 1 no. ii)240 V contractor- 1 no. iii) Day dial timer (GIC)- 1 no iv) By pass switch- 1 no v) outlet Terminal - 2 nos. vi) Starter for moter operation (Forward and Revers direction)- 1no</p>	1	nos	9500	9500
7	Sullpy of LED flood light fixture (CG/Model- LSFO- 150 W- CLD/60 or Surya Make 180 W)	4	nos	28000	112000

8	Supplying and erection of Earthing station with 50 mm dia. GI pipes 3.65 mm thick, 3M long and 1no. 4 SWG G.I wire 4 M long, 13mm dia, 80 mm long G.I bolt double washers, nuts, S&F 15 mm dia G.I pipe protection , to be field with bitumen, partly under ground and partly above above ground level driven to an avarage depth 3.65 m below the ground level including excavation of soil	2	nos	1545	3090
9	Page no- f-2/1 Supplying and drawing 4 core 10 sqm pvc insulated and scheathed alluminium conductor armoured cable through under ground	35	per meter	260	9100
10	Page no -D1/1 Supplying and fixing 32A, 450 TPN main switch on iron frame on wall and making connection (Standered make)	1	nos	1913	1913
11	S&F 32A Kit kat fuse on wooden board	3	nos	225	675
Total (A) = Rs.					353178.00
Add GST (6% CGST + 6% SGST) on SL. No. A (B) @12% Rs					42381.36
Cost of Civil Works Excluding Labour Welfare Cess (C= A+B) Rs.					395559.36
Labour Welfare Cess (on SL.NO. C) @ 1% (D) Rs.					3955.5936
Cost of Civil Works including Labour Welfare Cess (E= C+D) Rs.					399514.9536
Add Contigency (on Sl.no c) @3.0% Rs.					11985.44861
TOTAL ESTIMATED COST					411500.402

TOTAL ESTIMATED COST (IN WORDS)- FOUR LAKHS ELEVEN THOUSANDS FIVE HUNDRED