

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION COMPANY LTD.

Subdivision Pandharkawada

ESTIMATE REPORT

Name of Estimate :- An estimate for erection of HT/LT/DTC for new Street Light connection (Load 33 KW) in r/o. NHA1 PIU Chandrapur at vg. Patanbori Tq.Kelapur Dist. Yavatmal under Patanbori DC of Pandharkawada Sub Division under Pandharkawada Division in 1.3% DDF

1 Provision

1 Erection of 11 KV Line on PSC Pole 8 Mtr.	0.02 KM
2 Erection of 11/0.4 KV 63 KVA DTC	1 No
3	
4	
5	
6	

2 Amount of Estimate Rs.

324254.92

Normative charges to be paid Rs.

4898.92

3 Rought Length

:- As Above

4 Size of Conductor

:- 11 KV AAAC 55 mm2
LT AAAC 55sqmm /ACSR Weasel

6 Voltage Regulation

:- Within Limit / _____ %

7 Transformer Capacity

:- Existing T/F

Proposed T/F

3 Ø 63 KVA
1 Ø

8 Budget Head

:- 1.3% DDF Scheme.

9 Remarks

:-


Junior Engineer
MSDCL
Patanbori DC

Dy. Exe. Engineer
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ESTIMATE ABSTRACT

Name of Estimate :- An estimate for erection of HT/LT/DTC for new Street Light connection (Load 33 KW) in r/o. NHAI PIU Chandrapur at vg. Patanbori Tq.Kelapur Dist. Yavatmal under Patanbori DC of Pandharkawada Sub Division under Pandharkawada Division in 1.3% DDF Scheme.

Sr. No.	Particulars	Unit	Qty	Cost of Material
1	Erection of 11 KV Line on PSC Pole 8 Mtr.	KM	0.02	8249.72
2	Erection of 11/0.4 KV 63 KVA DTC	No	1.00	227090.00
3			0.00	0.00
4			0.00	0.00
5			0.00	
6			0.00	
A	Total Cost of Material			235339.72
B	Erection (labour) - (Ref. Wkg)--ON A	15.00%		35300.96
C	Sub Total I			270640.68
i	Dismantaling charges -			0.00
ii	Excavation charges			0.00
D	Sub Total II (Tender/Estimate Cost Excluding GST)			270640.68
E	GST 18% on Sub total II --ON D	18.00%		48715.32
F	Sub-Total III (Tender Cost including GST)			319356.00
iii	H.O. Supervision charges @1.3%	1.30%		4151.63
iv	GST on Supervision Charges	18.00%		747.29
G	Total Supervision charges			4898.92
H	Grand Total (DPR Cost)			324254.92
	Salvage Value			0.00


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Estimate For Erection of 11 KV Line on PSC Pole 8 Mtr. **0.02 Km**

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	PSC Pole 8 Mtr (140 KG)	No.	0	2178.00	0.00
2	PSC Pole 9 Mtr (200 KG)	No.	0	2983.00	0.00
3	RSJ 116x100, 9 m long	No.	0	12493.00	0.00
4	RSJ 116x100, 10 m long	No.	0	13882.00	0.00
5	11 kv Guarding Channel MS 75x40	Kg.	0	70.00	0.00
6	M.S.Channel 75x40x6 mm	Kg.	12	70.00	840.00
7	MS angle 50x50x6 mm	Kg.	10	70.00	700.00
8	11 KV V cross arm with clamp	No.	0	863.00	0.00
9	11 KV Top fitting with clamp	No.	0	123.00	0.00
10	M.S. Flats(50 X 10mm)	Kg.	8	65.00	520.00
11	11 kv Pin Insulators with G.I. Pins	No.	0	120.00	0.00
12	Disc Insulator 11 KV 7000 KG.	No.	3	326.00	978.00
13	Strain Hardware for 55 Sq. mm AAAC	Set	3	175	525.00
14	AAAC 55 mm ²	Rmt	63	36	2268.00
15	Sleeve Joints	No.	1	145.00	145.00
16	H.T.Stay Set	Set	1	807.00	807.00
17	Stay Wire 7/8	Kg.	10	72.00	720.00
18	Earthing Sets H.T	Set	0	462.00	0.00
19	G.I.Barbed Wire 'A' type.	Kg.	0.0	80.00	0.00
20	Danger Board	No.	0	87.00	0.00
21	Concreting ration 1:3:6	Cmt.	0.0	4328.00	0.00
22	G.I.Wire 8 SWG/ 6 SWG	Kg.	0	72.00	0.00
23	Black Bituminous Paint	Ltr.	0	150.00	0.00
24	Red Oxide Paint for 2 coats	Ltr.	0	124.00	0.00
25	Aluminium Paint for 1 coat	Ltr.	0	260.00	0.00
26	G.I.Nut Bolts	Kg.	3	112.00	336.00
27	Sundries	LS	0.02	886.00	17.72
28	11 KV AB Cable (aluminium)XLPE 3x120+100 Sqmm	Rmt		891.0	0.00
29	RABIT To RABIT	No	3	131	393.00
	Cost of material				8249.72


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Estimate For Erection of 11/0.4 KV 63 KVA DTC

1 No on RSJ Poles

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	RSJ 116x100, 10 m long	No	2	13882.00	27764.00
2	RSJ 125x70, 8 m long for Circuit	No	0	6322.00	0.00
3	MS Channel 100x50x6 mm	Kg	100	70.00	7000.00
4	M.S.Channel 75x40x6 mm	kg.	48	70.00	3360.00
5	MS angle 50x50x6 mm	kg.	50	70.00	3500.00
6	M.S.Flat 50 x 6 mm	kg.	28	65.00	1820.00
7	11 kV Pin Insulators with G.I. Pins	NO.	3	120.00	360.00
8	Strain Hardware for AAAC 55 sqmm	No.	3	175.00	525.00
9	Disc Insulator 11 KV 7000 KG.	No.	3	326.00	978.00
10	Dist. transformer 63kva, 11/.43kv with BIS Mark as per IS 1180 (Part1) 2014 level II	No.	1	109925.00	109925.00
11	L.T.Dist.Boxes 25/63 KVA with KITKAT	No.	1	14904.00	14904.00
12	L.As. 11 KV (Gapless type) with disconnector	Set.	1	1531.00	1531.00
13	H.T.Stay Set	No	2	807.00	1614.00
14	G.I.Stay Wire 7/4mm(8 SWG)	kg.	20	72.00	1440.00
15	Earthing Sets H.T	No.	4	462.00	1848.00
16	11KV H.G.Fuses	Set.	1	2475.00	2475.00
17	LT Shackle Insulator	No	0	15.00	0.00
18	Aluminium Bobbins for neutral	No.	0	41.00	0.00
19	L.T. Shackle Hardware	Pair	0	50.00	0.00
20	11KV A.B. Switch	No.	1	11642.00	11642.00
21	Danger Board in yard.	No.	2	87.00	174.00
22	G.I.Wire 8 SWG/ 6 SWG	Kg.	25	72.00	1800.00
23	G.I.Barbed Wire 'A' type.	kg.	15	80.00	1200.00
24	Concreting ration 1:3:6	CMT.	2	4328.00	8656.00
25	Painting/Hardware & support with numbering of pole	L.S.	1	259.00	259.00
26	Sundries	L.S.	1	886.00	886.00
27	L.T. XLPE Armoured 3.5 Core cable 185 sq.mm.	RMT	10	675.00	6750.00
28	DTC Metring with Box, single core L.T. XLPE cable (35 sq.mm., 120 mtr length) and other allied material.	No.	1	16679.00	16679.00
	Cost of material				227090.00


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