

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION COMPANY LTD

C.C.O & M DIVISION, WASHIM.

Estimate Report

1	Title of Estimate	ESTIMATE FOR ELECTRIFICATION OF JAY ANANT FARMER PRODUCER COMPANY LTD. NAWALI AT. NAWALI TA. RISOD DIST. WASHIM.			
2	Particulars of Estimate	Estimate provides for HT Line, LT Line, DTC & Service Connection.			
3	Amount	364111.10			
4	Authority	Executive Engineer, Washim.			
5	Supply of system	Overhead			
6	Infrastructure Parameter	0.00	Km	1Ph 2 W	
		0.00	Km	5 MVA POWER T/F	
		0.00	No	11 KV BAY	
		0.00	Km	11 KV Line	
		0.00	Km	Conv 1P2W to 1P3W	
		0.00	Km	Conv 1P3W to 3P5W	
		0.00	Km	Conv 1P2W to 3P4W	
		0.00	Km	11 KV UG CABLE 300 SQMM	
		0.00	No	Dist T/F 315 KVA	
		1.00	No	Dist T/F 100 KVA	
		0.00	No	Dist T/F 25 KVA	
		0.00	No	1 Ph. Dist T/F 15/25 KVA	
		0.00	Km	LT AB CABLE 70 SQMM	
		0.00	No	LT 1 Ph S/C	
		0.00	No	LT 3 Ph S/C upto 5 HP	
		0.00	No	LT 3 Ph S/C 5 HP to 20 HP	
		0.00	No	LT 3 Ph S/C 20 HP to 201 HP	
		0.00	No	Street light Bracket	
		0.00	No	Dist T/F 10 KVA	
		0.00	No	Dist T/F 16 KVA	
		0.00	No	Dist T/F 25 KVA	
		0.00	RMT	HDD	
		0.00	Km	11 KV Line to be Dismantalled	
		0.00	Km	LT Line to be Dis. LT 1P3W	
		0.00	Km	LT Line to be Dis. LT 3P4W	
		0.00	Km	LT O/H to U/G Conversion	
		0.00	No	11 KV Double pole cut point	
7	Type of Supports	RSJ 116x100 mm 11/10/9/8Mtr long RSJ Pole 100x116 8 Mtr long			
8	Transformer capacity	100 KVA			
9	Size of Conductor	AAC Ant & Gnat AAAC 55 Sq mm			
10	Span	50 Mtr		L.T	
		60 Mtr		H.T.	
11	Capacity of Transformer	NA			
12	% Revenue Return	NA			
13	Budget Head	1.3 % DDF			
14	Remarks				
	Sanctioned No.				

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ABSTRACT SHEET

ESTIMATE FOR ELECTRIFICATION OF JAY ANANT FARMER PRODUCER COMPANY LTD. NAWALI AT. NAWALI TA. RISOD DIST. WASHIM.

Sr. No.	Particulars	Unit	Quantity	Rate	Amount	
1	11KV HT Line	Km	0.06	As Per Sheet	53312.95	
2	HDD	RMT	0.00	As Per Sheet	0	
3	33KV Double Pole Cut Point Structure	No.	0.00	As Per Sheet	0	
4	11 KV XLPE 3C, 300 SQMM UG CABLE	Km	0.00	As Per Sheet	0	
5	11KV Double Pole Cut Point Structure	No.	0.00	As Per Sheet	0	
6	5 MVA POWER T/F	No.	0.00	As Per Sheet	0	
7	11 KV HT Transformer Centre 25 KVA	No.	0.00	As Per Sheet	0	
8	11 KV HT Transformer Centre 63 KVA	No.	0.00	As Per Sheet	0	
9	11 KV HT Transformer Centre 100 KVA	No.	1.00	As Per Sheet	206472	
10	11 KV HT Transformer Centre 315 KVA	No.	0.00	As Per Sheet	0	
11	Providing HDD (In RMT)	RMT	0.00	As Per Sheet	0	
12	11 KV BAY	No.	0.00	As Per Sheet	0	
13	Erection of L.T.Line	1Ph2W	Km	0.00	As Per Sheet	0
14		1Ph3W	Km	0.00	As Per Sheet	0
15		3Ph4W	Km	0.00	As Per Sheet	0
16		3Ph5W	Km	0.00	As Per Sheet	0
17		Conv 1P2W to 1P3W	Km	0.00	As Per Sheet	0
18		Conv 1P3W to 3P5W	Km	0.00	As Per Sheet	0
19		Conv 1P2W to 3P4W	Km	0.00	As Per Sheet	0
20	Single Phase 11KV DTC Structure for 15KVA Set	Set	0.00	As Per Sheet	0	
21	Single Phase 11KV DTC Structure for 25KVA Set	Set	0.00	As Per Sheet	0	
22	Single Phase 11KV DTC Structure for 15KVA No.	No.	0.00	As Per Sheet	0	
23	Single Phase 11KV DTC Structure for 25KVA No.	No.	0.00	As Per Sheet	0	
24	Single Phase DTC Structure Earthing (For 6 Pits by MS Flat+1 pit of LA for GI wire for set	Set	0.00	As Per Sheet	0	
25	11KV, 10 KVA Three phase Dist. Transformer Centre on 9 mtr PSC pole 200 kg	No.	0.00	As Per Sheet	0	
26	11KV, 16 KVA Three phase Dist. Transformer Centre on 9 mtr PSC pole 200 kg	No.	0.00	As Per Sheet	0	
27	11KV, 25 KVA Three phase Dist. Transformer Centre on 9 mtr PSC pole 200 kg	No.	0.00	As Per Sheet	0	
28	Conv. Of LT pole struct. To HT pole struct. For HVDS scheme(for Ex. Single pole)	No.	0.00	As Per Sheet	0	
29	Conv. Of LT pole struct. To HT pole struct. For HVDS scheme(for mid/new pole)	No.	0.00	As Per Sheet	0	
30	Conv. Of LT pole struct. To HT pole struct. For HVDS AG Scheme	No.	0.00	As Per Sheet	0	
31	Erection of Aerial Bunch Cable of 50 Sqmm for 1 KM on RSJ Pole		0.00	As Per Sheet	0	
32	Erection of Aerial Bunch Cable of 70 Sqmm for 1 KM on PSC Pole		0.00	As Per Sheet	0	
33	Aerial Bunch Cable of 70 Sqmm	Km	0.00	As Per Sheet	0	
34	one pole consid. 5 service conn.on pole using ABC dead end assembly.		0.00	As Per Sheet	0	
35	one pole consid. 5 service conn.on pole using ABC suspension clamp assembly.		0.00	As Per Sheet	0	
36	dismant. Of LT conductor 3 ph 5 w for laying of ABC for 1 KM consid. 25 nos span		0.00	As Per Sheet	0	
37	cost of erection of underground cable (LT)	Km	0.00	As Per Sheet	0	
38	cost of erection of underground cable (HT)	Km	0.00	As Per Sheet	0	
39	cost of material required for infrastructure				259784.95	
40	Tota centages on cost of material		37.03%		96198.36699	
41	Total cost of material + centages				355983.317	
42	Supervision charges 1.3% (On erection charges) including GST charges				4627.783121	
43	Labor charges for dismantalling of old line					
44	Servies Connection Detail					
45	Service Connection above 5 H.P upto 20 H.P.	No.	0.00			
46	Service Connection upto 5 H.P.	No.	0.00			
47	Single Phase Connection	No.	0.00			
48	Street light Fixture	No.	0.00			
49	IP Connection above 20 HP	No.	0.00			
50	Inspection fees		0.00			
51	HT Line	No.	1.00	2500	2500	
52	T/F Centre	No.	1.00	1000	1000	
53	LT Line	No.	0.00	0	0	
	Total				364111.1001	

Item Code No. 1203

POLE MOUNTED DISTRIBUTION TRANSFORMER SUB-STATION 100KVA, 11/0.433 KV ON 9 mtr RSJ POLE

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	112770.00	112770.00
2	RSJ 116x100, 11 m long	No	2	11311.00	22622.00
3	MS Channel 100x50x6 mm	Kg.	140	51.80	7252.00
4	M.S.Channel 75x40x6 mm	kg.	70	51.80	3626.00
5	MS angle 50x50x6 mm	kg.	60	51.80	3108.00
6	M.S.Flat 50 x 6 mm	kg.	60	48.50	2910.00
7	11 kV Pin Insulators with G.I. Pins	NO.	9	135.00	1215.00
8	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	9	322.00	2898.00
9	L.T.Dist.Boxes 100 KVA with MCCB	No.	1	12822.00	12822.00
10	L.As. 11 KV (Gapless type) with disconnector	Set.	1	1268.00	1268.00
11	H.T.Stay Set	No	6	598.00	3588.00
12	G.I.Stay Wire 7/4mm(8 SWG)	kg.	35	57.45	2010.75
13	Earthing Sets H.T	No.	3	342.00	1026.00
14	11KV H.G.Fuses	Set.	1	1964.00	1964.00
	11KV A.B. Switch, 400 A	No.	1	9240.00	9240.00
15	Danger Board in yard.	No.	2	50.00	100.00
16	G.I.Wire 8 SWG/ 6 SWG	Kg.	25	57.40	1435.00
17	G.I.Barbed Wire 'A' type.	kg.	15	64.27	964.05
18	Concreting ration 1:3:6	CMT.	2	3027.00	6054.00
19	Painting/Hardware & support with numbering of pole	L.S.	2	225.00	450.00
20	Sundries	L.S.	2	810.00	1620.00
21	DTC Metring with Box, single core L.T. XLPE cable (70 sq.mm., 120 mtr length) and other allied material.	No.	1	7529.20	7529.20
Cost of material					206472.00

SINGLE POLE CUT POINT STRUCTURE FOR 11KV LINE ON RSJ 11 M POLE

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	RSJ 116x100, 11 m long	No.	2	11311.00	22622
2	M.S.Channel 75x40x6 mm	Kg.	70	51.80	3626
3	MS angle 50x50x6 mm	Kg.	60	51.80	3108
4	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	15	322.00	4830
5	Disc Insulator 11 KV 70 KN	No.	15	344.00	5160
6	H.T.Stay Set	No.	2	598.00	1196
7	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	15	57.45	861.75
8	Earthing Sets H.T	No.	3	342.00	1026
9	G.I.Wire 8 SWG/ 6 SWG	Kg.	10	57.40	574
10	G.I.Barbed Wire 'A' type.	Kg.	10	64.27	642.7
11	Danger Board in yard.	No.	2	50.00	100
12	Black Bituminus Paint	Ltr.	5	85.00	425
13	Red Oxide Paint for 2 coats	Ltr.	5	85.00	425
14	Aluminium Paint for 1 coat	Ltr.	3	113.00	339
15	Concreting ration 1:3:6	Cmt.	2.5	3027.00	7567.5
16	Sundries	LS	1	810.00	810

53312.95