

JE/KAS//TS/NO:

To,  
The Dy.Executive Engineer,  
O & M Sub.Division, Biloli.

SUB: Proposed Technical Estimate for New DTC AT Gaglegaon under 1.3%DDF Scheme

REF:

With reference to above subject, Please find enclosed here with the submitting of following Tech.Estimate proposed under DPDC Scheme At Village Gaglegaon Section Office Kasrali Under Biloli Sub Division.

Name of Consumers		VILLAGE	REMARK
Sr.No.	Name of Consumers		
1	CHANDRAGUPTA MORYA FARMER PRODUCER COMPANY LIM	Gaglegaon	1.3% DDF

The Estimate consists of the following works

SR NO	RASTRUCTURE	POLE/DT	QTY.	UNIT	Estimate Amount
1)	H.T. LINE		20	1.20 km	738208.21
2)	L.T. LINE 3 PH 5 W		4	0.20 km	
3)	TRANSFORMER CENTRE		1	1*100 KVA	
4)	Tapping Structure		0	1.00 NO	
<b>TOTAL</b>					

This is submitted for your information and further needful aciton please.

  
JUNIOR ENGINEER  
MSEDCL KASRALI SECTION

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**MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.**  
**O&M DIVISION DEGLOOR**

at Village -Gaglegaon Tq. Biloli Dist. Nanded under O&M Sub-Division Biloli Scheme- 1.3%DDF

Name of Work- Estimate providing power supply to one no of IP connection in r/o Chandragupta Morya Farmer Producer Company Limited at village Gaglegaon gat no 196/A/1 Kasrali unit, Under Biloli sdn , Degloor Divison, under 1.3% DDF Scheme.

Sr. No.	Particulars	Unit	Qty	Cost of Material	Amount
1]	DISTRIBUTION TRANSFORMER SUB-STATION 100KVA, 11/0.433 KV ON 9 mtr RSJ POLE	No	1	189677.30	189677.30
2]	11 KV Pin type line with ACSR weasel Conductor & 200 Kg PSC Poles	Km	1.12	176316.40	197474.37
3]	L.T. LINE 3 ph 4 W. - ACSR Weasel with PSC Pole 8 Mtr (200 KG)	Km	0.2	111657.68	22331.54
<b>A</b>	<b>TOTAL COST OF MATERIAL</b>				<b>409483.20</b>
					<b>16379.32816</b>
1	Transportation on material	4.00%			4094.83204
2	T&P on material cost	1.00%			10237.0801
3	Contigencies on material	2.50%			61422.4806
4	Erection cost on material	15.00%			20474.1602
5	Contractor supervision charges on material	5.00%			12284.49612
6	Insurance , Labour & Finance Cost	3.00%			61422.4806
7	Dismantaling @15% OF MATERIAL COST	28%			<b>186314.8578</b>
<b>B</b>	<b>TOTAL SERVICES</b>				<b>595798.06</b>
<b>C</b>	<b>Sub-total-I</b>				<b>23831.92247</b>
8	Profit	4%			<b>210146.7803</b>
<b>D</b>	<b>Centages</b>				<b>619629.98</b>
<b>E</b>	<b>Tender-cost</b>				<b>111533.3972</b>
9	GST	18%			<b>731163.38</b>
<b>F</b>	<b>Sub-total-II</b>				<b>6920.266148</b>
10	H.O. Supervision charges@1.3% of material cost and erection charges on Sr No A+4+7	1.30%			124.5647907
11	GST on supervision charges	18%			<b>738208.21</b>
<b>G</b>	<b>Total (DPR Cost )100%</b>				

  
**Y.D. LALME**  
 Junior Engineer  
 M.S.E.D.Co. Ltd.  
 Kasrali Unit

Item Code No. 1203					
POLE MOUNTED DISTRIBUTION TRANSFORMER SUB-STATION, 100KVA, 11/0.433 KV ON 9 IIII-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, 9 m long	No	2	9254.00	18508.00
3	MS Channel 100x50x6 mm	Kg.	100	51.80	5180.00
4	M.S.Channel 75x40x6 mm	kg.	44	51.80	2279.20
5	MS angle 50x50x6 mm	kg.	22	51.80	1139.60
6	M.S.Flat 50 x 6 mm	kg.	24	48.50	1164.00
7	11 kv Pin Insulators with G.I. Pins	NO.	3	135.00	405.00
8	Strain Hardware for Dogu. 1 or Eqv. AAAC	No.	3	322.00	966.00
9	L.T. Dist. Boxes 100 KVA with MCCB	No.	1	12822.00	12822.00
10	L.A.S. 11 KV (Gapress type) with disconnecter	Set.	1	1268.00	1268.00
11	H.T. Stay Set	No	4	598.00	2392.00
12	G.I. Stay Wire 7/4mm(8 SWG)	kg.	25	57.45	1436.25
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.	1	225.00	225.00
20	Sundries	L.S.	1	810.00	810.00
21	DTC Metering with Box, single core L.T. XLPE cable (70 sq mm, 120 mtr length)	No.	1	7529.20	7529.20
<b>Cost of material</b>					<b>189677.30</b>

  
**Y. D. LALME**  
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 Kasrali Unit

Item Code No. 0901					
11 KV Pin type line with ACSR weasel Conductor & 200 Kg PSC Poles					
Wind Pressure Zone: 50/75/100 Kg./m2					
S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	PSC Pole 9 Mtr (200 KG)	No.	18	2260.00	40680.00
2	M.S. Flats(50 X 10mm)	Kg.	39	48.50	1891.50
3	11 KV V cross arm with clamp	No.	12	639.00	7668.00
4	11 KV Top fitting with clamp	No.	12	91.00	1092.00
5	M.S.Channel 75x40x6 mm	Kg.	122	51.80	6319.60
6	11 kv guarding channel MS 75x40	Kg.	104	51.80	5387.20
7	Disc Insulator 11 KV 70 KN	No.	24	344.00	8256.00
8	11 kv Pin Insulators with G.I. Pins	No.	42	135.00	5670.00
9	ACSR Weasel	Rmt	3150	18.50	58275.00
10	Strain Hardware for Weasel/Squirrel	Set	24	179.00	4296.00
11	Sleeve Joints	No.	3	115.00	345.00
12	H.T.Stay Set	No.	8	598.00	4784.00
13	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	80	57.45	4596.00
14	Earthing Sets H.T	No	18	342.00	6156.00
15	G.I.Barbed Wire 'A' type.	Kg.	30	64.27	1928.10
16	Danger Board in yard.	No.	18	50.00	900.00
17	Black Bituminus Paint	Ltr.	6	85.00	510.00
18	Red Oxide Paint for 2 coats	Ltr.	20	85.00	1700.00
19	Aluminium Paint for 1 coat	Ltr.	9	113.00	1017.00
20	G.I.Wire 8 SWG/ 6 SWG	Kg.	130	57.40	7462.00
21	Concreting ration 1:3:6	LS	1	3027.00	3027.00
22	Sundries	LS	2	810.00	1620.00
23	Wedge connectors				
a)	WEASEL TO WEASEL or equivalent AAAC	No	24	114.00	2736.00
					<b>176316.40</b>

**Cost of material**

1	Transportation on material	4.00%	7053
2	T&P on material cost	1.00%	1763
3	Contigencies on material	2.50%	4408
5	Erection cost on material	15.00%	26447
6	Contractor supervision charges on material	5.00%	8816
7	Insurance , Labour & Finance Cost	3.00%	5289
<b>Service Cost</b>			<b>53777</b>
<b>Sub-Total</b>			<b>230093</b>
8	Turnkey Charges	5.00%	11505
<b>Total</b>			<b>241598</b>

Particulars	DPR	Tender/
	Amount	Estimate
Cost with overheads on Material	0	0
<b>Total Cost of the Estimate</b>	<b>0</b>	<b>0</b>

#REF!

  
 Junior Engineer  
 M.S.E.D.Co. Ltd.  
 Kasrali Unit

Item Code No. 1402					
L.T. LINE 3 ph 4 W. - ACSR Weasel with PSC Pole 8 Mtr (200 KG)					
SR.NO.	DESCRIPTION OF MATERIALS.	UNIT	QTY	R/UNIT (RS)	AMT.(RS)
1	PSC Pole 8 Mtr (200 KG)	No.	12	1980.00	23760.00
2	ACSR Weasel	Rmt	3225	18.50	59662.50
3	M.S.Flat 50 x 6 mm	Kg	18	48.50	873.00
4	L.T.Shackle Insulator	No	45	10.00	450.00
5	Aluminium Bobbins for neutral	No.	15	32.00	480.00
6	L.T.Shackle hardware	Pair	60	37.00	2220.00
7	Jointing Sleeves for AAC	No	3	32.00	96.00
8	PG Clamp	No	4.5	27.00	121.50
9	Earthing Sets L.T.	No	3.75	166.00	622.50
10	L.T. Stay sets	No	6	472.00	2832.00
11	G.I.Stay Wire 7/3.15mm(10SWG)	Kg	54	57.45	3102.30
12	Stay Insulators	No	6	10.00	60.00
13	Binding Wire	Kg.	1.125	70.00	78.75
14	Binding Tape	Kg	1.125	43.00	48.38
15	G.I.Wire 8 SWG/ 6 SWG	Kg.	75	57.40	4305.00
16	Concreting ration 1:3:6	Ls	0.75	3027.00	2270.25
17	L.T.Spacers	No	33.75	110.00	3712.50
18	Sundries such as N/B, washers, welding etc	LS	0.75	2900.00	2175.00
19	Wedge connectors		0		
a)	GNAT To GNAT or equivalent AAC	No	42	114.00	4788.00


## Cost of material

111657.68

1	Transportation on material	4.00%	4466
2	T&P on material cost	1.00%	1117
3	Contigencies on material	2.50%	2791
5	Erection cost on material	15.00%	16749
6	Contractor supervision charges on material	5.00%	5583
7	Insurance , Labour & Finance Cost	3.00%	3350
	<b>Service Cost</b>		<b>34056</b>
	<b>Sub-Total</b>		<b>145713</b>
8	Turnkey Charges	5.00%	7286

Total

152999

  
**Y. D. LALME**  
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 M.S.E.D.Co. Ltd.  
 Kasrali Unit