

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION Co. Ltd.

O. & M. DIVISION HINGANGHAT

ESTIMATE REPORT

- 1) Name of Estimate Estimate for providing power supply to 01 no of street light connection (43.3KW) in r/o M/s NHAI PIU Chandrapur at Pipri Tah-Hinganghat, Dist-Wardha.
- 2) Provision This Estimate Provides
 - 1) Erection of 11 KV 0.06KM Transformer , 1no of 100KVA
 - 2) Errection of LT Line km
- 3) Amount of Estimate 421683.50
- 4) Type of Support H. T. 0.06KM O/H On PSC/ Rail/RSJ
(8mtr/9mtr/10mtr)
L.T. KM On PSC/Rail/ RSJ
(8mtr/9mtr/10mtr)
- 5) Size of Conductor HT AAAC ___ sq. mm
LT AAC/ANT/GNAT
for Phase & Neutral respectively.
- 6) Capacity of Transformer 11/0.44 KV _ Proposed 1No of 100KVA
- 7) Route Length HT 0.06Km, LT Km
- 8) Budget Head 1.3%DDF(Non Refundable)
- 9) Remarks, if


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Maharashtra State Electricity Distribution Company Limited
O & M Circle, Wardha

ABSTRACT

Estimate for providing power supply to 01 no of street light connection (43.3KW) in r/o M/s NHAI PIU Chandrapur at Pipri Tah-Hinganghat, Dist-Wardha.

Sr No	Particulars	Qty	Unit	Rate	Material Cost
1	LT LINE 3 ph 5 W.		Kms.		
2	LT XLPE Arm. Cable U/G 3.5 C x120 mm2 Cable		Nos.		
3	road		Kms.		
4	LT Double Pole Cut Point on 116 X 100 mm RSJ		Nos.		
5	Cost of Erection of HT Feeder Pillars		Nos.		
6	11 KV HT OH Line with AAAC 55 mm2		Kms.	As Per Sheet	10056.00
7	11 KV 3C X 300 mm2 XLPE U/G Cable		No.		
8	11 KV 3C X 185 mm2 XLPE U/G Cable along the road.		Kms.		
9	11 KV Double Pole Structure		No.		
10	11 KV Single Pole cut point	1	No.	35801.00	35801
11	11 KV AB Switch		No.		
	33 KV HT OH Line with AAAC 100 mm2		Kms.		
13	33 KV 3C X 300 mm2 XLPE U/G Cable with HDD		Nos.		
	Cost of Single phase SC through junction box		No.		
15	Cost of Erection of 33 KV Double Pole Structure		Nos.		
16	100 KVA Dist. Transformer	1	No.	260902.00	260902.00
17	200 KVA Dist. Transformer		No.		0.00
18	Cost of Erection of LT mini Feeder Pillars				
A	Cost of material				306759.00
B	Erection Cost on Material		15%		46013.85
C	Labour Charges for dismantling		As Per Sheet		
D	TOTAL-I		(A+B+C)		352772.85
E	GST on Material Cost and Services (A+D)		18%		63499.11
F	TOTAL ESTIMATE COST		(D+E)		416271.96
G	H.O. Supervision charges (A+D)		1.3%		4586.05
H	GST on H.O. Supervision charges (On G)		18%		825.49
I	1.3% Normative charges including GST [G+H]				5411.54
J	Total Estimated Cost including Normative charges [F] +[I]				421683.50
K	Horizontal Boring with HDPE Pipe Charges @3450/-Per mtrx30mtrx1runx1location				
L	GST @ 18% on Providing HDD Bore		18%		
					0

421683.50

In Words :

Rs. Twelve Lakh Thirteen Thousand Nine Hundred Eighty.

Supervision charges 5411.535519 /- Only.


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Item Code No. 01608

Cost data for 11 KV Single circuit Pin type with 55sq.mm AAAC lines on 9 mtr PSC poles

(A) HT Line :

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	RSJ 116x100, 11 m long	No.	0	15270.00	0.00
2	RSJ 116x100, 9 m long for stud	Kg.	0	12493.00	0.00
3	11 kv guarding channel MS 75x40	Kg.	15	70.00	1050.00
4	11 KV V cross arm with clamp	No.	0	863.00	0.00
5	11 KV Top fitting with clamp	No.	0	123.00	0.00
6	MS angle 50x50x6 mm	Kg.	0	70.00	0.00
7	M.S. Flats(50 X 10mm)	Kg.	0	65.00	0.00
8	G.I.Nut Bolts	Kg.	5	112.00	560.00
9	11 kv Pin Insulators with G.I. Pins	No.	0	120.00	0.00
10	Disc Insulator 11 KV 70 KN	No.	0	326.00	0.00
11	Strain Hardware for 55 Sq.mm AAAC	Set	0	175.00	0.00
12	AAAC 55 mm ²	Rmt	180	36.00	6480.00
13	Sleeve Joints	No.	0	145.00	0.00
14	H.T.Stay Set	Set	0	807.00	0.00
15	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	0	72.00	0.00
16	Earthing Sets H.T	Set	0	462.00	0.00
17	G.I.Barbed Wire 'A' type.	Kg.	0	80.00	0.00
18	Danger Board in yard.	No.	0	87.00	0.00
19	Concreting ration 1:3:6	Cmt.	0	4328.00	0.00
20	G.I.Wire 8 SWG/ 6 SWG	Kg.	15	72.00	1080.00
21	Painting of Supports & fabricated materials	LS	0	178.00	0.00
22	Sundries	LS	1	886.00	886.00
23	Minor Fabrication, binding tape, wire, etc.				
24	Wedge connectors				
a)	RABIT To RABIT or equivalent AAAC	No	0	131.23	0.00
Cost of material					10056.00


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Chandrapur at Pipri Tah-Hinganghat, Dist-Wardha.

Item code No. 0923

SINGLE POLE CUT POINT STRUCTURE FOR 11KV LINE ON RSJ 9 M POLE

S.N.	Description of material	Unit	Qty.	RT/U.Rs.	Amt Rs.
1	RSJ 116x100, 11 m long	No.	1	15270.00	15270.00
2	M.S.Channel 75x40x6 mm	Kg.	40	70.00	2800.00
3	MS angle 50x50x6 mm	Kg.	25	70.00	1750.00
4	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	6	370.00	2220.00
5	Disc Insulator 11 KV 70 KN	No.	6	326.00	1956.00
6	H.T.Stay Set	No.	2	807.00	1614.00
7	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	20	72.00	1440.00
8	Earthing Sets H.T	No.	1	462.00	462.00
9	G.I.Wire 8 SWG/ 6 SWG	Kg.	2	72.00	144.00
10	G.I.Barbed Wire 'A' type.	Kg.	2	80.00	160.00
11	Danger Board in yard.	No.	1	87.00	87.00
12	Black Bituminus Paint	Ltr.	0.5	150.00	75.00
13	Red Oxide Paint for 2 coats	Ltr.	1.5	124.00	186.00
14	Aluminium Paint for 1 coat	Ltr.	1	260.00	260.00
15	Concreting ration 1:3:6	Cmt.	1.5	4328.00	6492.00
16	Sundries	LS	1	885.00	885.00
Cost of material					35801.00


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Item Code o.

POLE MOUNTED DISTRIBUTION TRANSFORMER SUB-STATION 100KVA, 11/0.433 KV ON 11 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	143782.00	143782.00
2	RSJ 116x100, 11 m long	No.	2	15270.00	30540.00
3	MS Channel 100x50x6 mm	Kg.	100	70.00	7000.00
4	M.S.Channel 75x40x6 mm	kg.	44	70.00	3080.00
5	MS angle 50x50x6 mm	kg.	22	70.00	1540.00
6	M.S.Flat 50 x 6 mm	kg.	24	65.00	1560.00
7	11 kV Pin Insulators with G.I. Pins	NO.	3	120.00	360.00
8	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	3	370.00	1110.00
9	L.T.Dist.Boxes 100 KVA with MCCB	No.	1	17694.00	17694.00
10	L.As. 11 KV (Gapless type) with disconnector	Set.	1	1531.00	1531.00
11	H.T.Stay Set	No	4	807.00	3228.00
12	G.I.Stay Wire 7/4mm(8 SWG)	kg.	25	72.00	1800.00
13	Earthing Sets H.T	No.	3	462.00	1386.00
14	11KV H.G.Fuses	Set.	1	2475.00	2475.00
	11KV A.B. Switch, 400 A	No.	1	11642.00	11642.00
15	Danger Board in yard.	No.	2	87.00	174.00
16	G.I.Wire 8 SWG/ 6 SWG	Kg.	25	72.00	1800.00
17	G.I.Barbed Wire 'A' type.	kg.	15	80.00	1200.00
18	Concreting ration 1:3:6	CMT.	2	4328.00	8656.00
19	Painting/Hardware & support with numbering of pole	L.S.	1	259.00	259.00
20	Sundries	L.S.	1	886.00	886.00
21	DTC Metring with Box, single core L.T. XLPE cable (70 sq.mm., 120 mtr length) and other allied material.	No.	1	19199.00	19199.00
Cost of material					260902.00


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