

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0101

Cost data for 33/11 KV, 1x5 MVA Substation (Outdoor)

Sr.No.	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
33 KV SIDE					
1	33 KV Lightning Arrestors (Station type)	Set	2	15253.00	30506.00
2	33 KV Isolators with EB (800 A)	Set	1	69539.00	69539.00
3	33 KV Isolators without EB (800 Amp.)	Set	3	63643.00	190929.00
4	33 KV Post Insulator	Nos	3	631.00	1893.00
5	Gantry Structure/Steel section for 33 KV Bus as per Sheet No.1	Nos	1	164080.35	164080.35
6	Disc Insulator 11 KV 70 KN	Nos	18	326.00	5868.00
7	AAAC 232 mm2	MTR	200	162.00	32400.00
8	Strain Hardware for AAAC232 sq.mm.	Nos	6	693.00	4158.00
9	Earthing complete as per Sheet no.2	Set	1	298186.00	298186.00
10	Power Transformer 33/11 KV, 5 MVA	No	1	4525010.00	4525010.00
11	33 KV P.T.	Nos	3	24916.00	74748.00
12	33 kV C. T. (400-200/1-1-1)	Nos	3	33015.00	99045.00
13	33 KV VCB complete 1600 Amp (O.D.)	Set	1	247885.00	247885.00
14	C&R panel for 33 KV Transformer with 1 Amp. Relay	No	1	71641.00	71641.00
15	33 kV Pin Insulators with G.I. Pins	Nos	6	486.00	2916.00
16	Structure for 33 KV CT & PT as per Sheet no.3	No	1	64960.00	64960.00
17	G.I.Nut Bolts	KG	150	112.00	16800.00
B					
11 KV SIDE					
18	11 kv 250 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Islators, C.T. & P.T. etc.	Set	1	1078087.00	1078087.00
19	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
20	Take off structure for 3 outgoing feeder as per Sheet no.4	No.	1	331159.00	331159.00
21	11 kV Pin Insulators with G.I. Pins	No.	12	120.00	1440.00
22	Clamps and Connectors as per Sheet no.5	No.	1	217896.00	217896.00
23	Structure for 11 KV Main Bus as per Sheet no.6	No.	1	279619.00	279619.00
24	S/S Yard lighting as per Sheet no.7	No.	1	157462.00	157462.00
25	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
26	11/0.43 KV x 100 KVA station Transformer as per Sheet no.8.	No.	1	268853.40	268853.40
27	Control cables for S/S as per Sheet no.9	No.	1	119963.00	119963.00
28	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

Cost of material

8463699.75

1	Erection cost on material	5.00%	423185
2	Contractor supervision charges on material	5.00%	423185
	Sub-Total		9310070
3	Contractor's Profit	5.00%	465503
	Sub-Total		9775573
4	Transportation on material	4.00%	338548
5	T&P on material cost	1.00%	84637
6	Contingencies on material	2.00%	169274
	Service Cost		20989975
	Sub-Total		10368032
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	20736
	Sub-Total		10388768
8	Labour Cess (1% of Cantages and Civil works, civil cost includes Labour ccess)	0.19%	19219
9	Insurance	1.00%	103888
10	Turnkey Charges	0.00%	0

Total

10511875

Civil Works As per Sheet 'C'

No. 1

10258485

Total Cost of Estimate

20770360

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	14842790	10511915
Civil Works As per Sheet 'C'	13924867	10258485
Total Cost of the Estimate	28767657	20770400

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for 33 KV Gantry M.S.Structure/Steel Section for 1x5 MVA S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(4 Nos.)-496.0 kg.	MT	1.984	65475.00	129902.40
2	Beam type HA(2 Nos.)-261.0 Kg.	MT	0.522	65475.00	34177.95
				Total:	164080.35

Sheet No.2

Cost data for Earthing Work at 1x 5 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	298186.00

Sheet No.3

Cost data of Structure for 33 KV CT & PT at 1x5 MVA 33/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet No :

4

Cost data for Take off structure for 11 KV Feeders 3 outlets at 1x5 MVA,33/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 100 mm2	Rmt.	150	70.00	10500.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	18	642.00	11556.00
b)	T-Connector for 100 sq mm conductor	Nos.	18	843.00	15174.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	331159.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.

5

Cost data for Clamps & Connectors at 1x 5 MVA, 3311 kv sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 33 KV Isolator	Nos.	24	1141.00	27384.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 33 KV C.T.	Nos.	6	1668.00	10008.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	6	2415.00	14490.00
				Total:	217896.00

Sheet No.6

Cost data for Structure of 11 KV Main Bus at 1x5MVA, 33/11 KV Sub-Station (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
7	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
10	AAAC 100 mm ²	Rmt.	150	70.00	10500.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	T-Connector for 100 sq mm conductor	Nos.	12	843.00	10116.00
15	Miscellaneous material	LS	1	518.00	518.00
				Total:	279619.00

Sheet No.7

Cost data for Yard Lighting of 1 x 5 MVA , 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	12	1625.00	19500.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	12	5800.00	69600.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt.	7	4328.00	30296.00
6	Red Bricks	No.	1000	8.00	8000.00
7	Sand	Cmt.	6	280.00	1680.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	157462.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.

8

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 1x5 MVA S/S. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
7	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
8	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
9	11 kv Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
10	L.T.XLPE Armoured 3.5 Core cable 70 sq.mm.	Rmt.	10	275.00	2750.00
11	L.T. XLPE armoured cable 3 1/2 C 50 sq.mm.	Rmt.	50	207.00	10350.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	268853.40

Sheet No -

9

Cost data for Control cable 1 X 5 MVA S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	125	474.00	59250.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	130	309.00	40170.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	55	125.00	6875.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	50	79.00	3950.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	100	92.00	9200.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	119963.00

C

Cost data for civil works for 33/11 KV Sub Station.

Sr.No.	Description	Amount
1	Land Development (As per table A)	347011.50
2	Control room (As per table B) outdoor	3066043.50
3	Store room of size 8.0m X 6.0 m (As per table C)	965146.60
4	Sanitary Water supply	0.00
5	Electrification (Lumsum)	142595.24
6	WBM Road (As per table D)	583925.00
7	Chain link fencing and Bar bed wire fencing (As per table E)	2023680.78
8	Metal Spreading (As per table F)	202203.50
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (1+3 Bay) + Stn Trans. (As table G) Outdoor	1002132.05
10	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	0.00
11	10 MVA Power Transformer Plinth Foundation (as per table G2)	0.00
12	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Outdoor	0.00
13	Water Supply arrangement for C/Room and Switch Yard.(As per table H)	76609.00
14	Borewell including pumpset and allied accessories. (As per table I)	114783.00
15	Const.of cable trench with covers in S/Yard. (As per table J)	402997.58
16	Construction of retaining wall. (As per table K)	1045707.00
17	Rain Water Harvesting (As per Table L)	82661.80
18	Culvert (As per Table N) If required	202988.00
	Total=	10258484.55

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0102

Cost data for 33/11 kV 1 X 10 MVA New S/S(Outdoor)

Sr.No.	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33 KV SIDE				
1	33 KV Lightning Arrestors (Station type)	Set	2	15253.00	30506.00
2	33 KV Isolators with EB (800 A)	Set	1	69539.00	69539.00
3	33 KV Isolators without EB (800 Amp.)	Set	3	63643.00	190929.00
4	33 KV Post Insulator	Nos	3	631.00	1893.00
5	Gantry Structure/Steel section for 33 KV Bus as per Sheet No.1	Nos	1	164080.35	164080.35
6	Disc Insulator 11 KV 70 KN	Nos	18	326.00	5868.00
7	AAAC 232 mm2	MTR	200	162.00	32400.00
8	Strain Hardware for AAAC232 sq.mm.	Nos	6	693.00	4158.00
9	Earthing complete as per Sheet no.2	Set	1	333296.00	333296.00
10	Power Transformer 33/11 KV, 10 MVA	No	1	8098196.00	8098196.00
11	33 KV P.T.	Nos	3	24916.00	74748.00
12	33 kv C. T. (400-200/1-1-1)	Nos	3	33015.00	99045.00
13	33 KV VCB complete 1600 Amp (O.D.)	Set	1	247885.00	247885.00
14	C&R panel for 33 KV Transformer with Diff. Protection	No	1	78541.00	78541.00
15	33 kV Pin Insulators with G.I. Pins	Nos	6	486.00	2916.00
16	Structure for 33 KV CT & PT as per Sheet no.3	No	1	64960.00	64960.00
17	G.I.Nut Bolts	KG	150	112.00	16800.00
B	11 KV SIDE				
18	11 kv 250 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Islators, C.T. & P.T. etc.	Set	1	1078087.00	1078087.00
19	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
20	Take off structure for 3 outgoing feeder as per Sheet no.4	No.	1	414115.00	414115.00
21	11 kV Pin Insulators with G.I. Pins	No.	12	120.00	1440.00
22	Clamps and Connectors as per Sheet no.5	No.	1	217896.00	217896.00
23	Structure for 11 KV Main Bus as per Sheet no.6	No.	1	341191.00	341191.00
24	S/S Yard lighting as per Sheet no.7	No.	1	157462.00	157462.00
25	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
26	11/0.43 KV x 100 KVA station Transformer as per Sheet no.8.	No.	1	274033.40	274033.40
27	Control cables for S/S as per Sheet no.9	No.	1	119963.00	119963.00
28	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

D	Cost of material			12228603.75
1	Erection cost on material	5.00%		611430
2	Contractor supervision charges on material	5.00%		611430
	Sub-Total			13451464
3	Contractor's Profit	5.00%		672573
	Sub-Total			14124037
4	Transportation on material	4.00%		489144
5	T&P on material cost	1.00%		122286
6	Contingencies on material	2.00%		244572
	Service Cost			30326937
	Sub-Total			14980040
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%		29960
	Sub-Total			15010000
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%		27768
9	Insurance	1.00%		150100
10	Turnkey Charges	0.00%		0
	Total			15187868
9	Civil Works As per Sheet 'C'	No.	1	10429845
	Total Cost of Estimate			25617713

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	21445302	15187926
Civil Works As per Sheet 'C'	14157471	10429845
Total Cost of the Estimate	35602773	25617770

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for 33 KV Gantry M.S.Structure/Steel Section for 1x 10 MVA S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(4 Nos.)-496.0 kg.	MT	1.984	65475.00	129902.40
2	Beam type HA(2 Nos.)-261.0 Kg.	MT	0.522	65475.00	34177.95
				Total:	164080.35

Sheet No.2

Cost data for Earthing Work at 1x 10 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	2000	65.00	130000.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1400	17.00	23800.00
4	Salt	Kg.	1400	12.00	16800.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	333296.00

Sheet No.3

Cost data of Structure for 33 KV CT & PT at 1x10 MVA 33/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet No :

4

Cost data for Take off structure for 11 KV Feeders 3 outlets at 1x 10 MVA,33/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for AAAC232 sq.mm.	Nos.	36	693.00	24948.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 232 mm2	Rmt.	150	162.00	24300.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	PANTHER TO PANTHER or equivalent AAAC	Nos.	18	826.00	14868.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	18	3855.00	69390.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	414115.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.

5

Cost data for Clamps & Connectors at 1x 10 MVA, 33/11 kv sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 33 KV Isolator	Nos.	24	1141.00	27384.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 33 KV C.T.	Nos.	6	1668.00	10008.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	6	2415.00	14490.00
				Total:	217896.00

Sheet No.6

Cost data for Structure of 11 KV Main Bus at 1x 10MVA, 33/11 KV Sub-Station (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for AAAC232 sq.mm.	Nos.	36	693.00	24948.00
7	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
10	AAAC 232 mm2	Rmt.	150	162.00	24300.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	T-Connector for 200 sq mm conductor(Compression type)	Nos.	12	3855.00	46260.00
15	Miscellaneous material	LS	1	518.00	518.00
				Total:	341191.00

Sheet No.7

Cost data for Yard Lighting of 1 x 10 MVA , 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	12	1625.00	19500.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	12	5800.00	69600.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	7	4328.00	30296.00
6	Red Bricks	No.	1000	8.00	8000.00
7	Sand	Cmt	6	280.00	1680.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	157462.00

Sheet No.8

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 1x10 MVA S/S. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
7	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
8	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
9	11 kv Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
10	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt.	10	453.00	4530.00
11	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	50	275.00	13750.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	274033.40

Sheet No.9

Cost data for Control cable 1 X 10 MVA S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	125	474.00	59250.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	130	309.00	40170.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	55	125.00	6875.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	50	79.00	3950.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	100	92.00	9200.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	119963.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet
No. 10

Safety items and T&P in sub-station:

Sr.No.	Description of material	Unit	Qty.	Rate (Rs.)	Amount(Rs.)
1	Safety Items as per the requirement of electrical inspector as under	L.S	1	11000.00	11000.00
	a) First Aid Box				
	b) Shock treatment chart				
	c) Rubber mats 8 mm thick				
	d) 4 Fire buckets with sand & M.S. Hooks / stand				
	e) Helmet				
	f) Hand gloves				
2	g) 2 Nos. Fire extinguisher	No.	1	900.00	900.00
3	SLD Board 11 KV side	No.	2	5060.00	10120.00
4	Danger Board in yard.	No.	10	87.00	870.00
5	Battery Accessories such as hydrometer, cell tester, Acid can, distilled water can, handgloves etc.	Set	1	1500.00	1500.00
6	2 no.s 8W CFL lamps with one suitable inverter (DC to AC)	Set	1	450.00	450.00
7	Earth tester 200 Amp. 2000 Ohm	No.	1	6025.00	6025.00
8	2.5 / 5 KV Megger (Manual)	No.	1	10000.00	10000.00
9	500 V Megger	No.	1	5000.00	5000.00
10	Digital Tong tester (1000 Amp., 500 V) With associated accessories.	No.	1	2425.00	2425.00
11	Digital Multi meter (10 Amp)	No.	1	1375.00	1375.00
12	Discharge rod for 33 KV	Set	1	2250.00	2250.00
13	Discharge rod for 11 KV	Set	1	1715.00	1715.00
14	Tool box with ratchet spanner, flat spanners, box spanner, plier, screwdriver, hammer, hacksaw with blades, chisel, files (Standard make)	No.	1	5500.00	5500.00
15	2 Cell torch	No.	2	290.00	580.00
16	3 Cell torch	No.	2	390.00	780.00
17	Aluminium ladder (Adjustable)	No.	1	4140.00	4140.00
18	Emergency Artificial respiration kit	Set	1	1525.00	1525.00
19	Name plate painting for all equipments	LS	1	690.00	690.00
				Total:	66845.00

C Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A)	347011.50
2	Control room (As per table B) outdoor	3066043.50
3	Store room of size 8.0m X 6.0 m (As per table C)	965146.60
4	Sanitary Water supply	0.00
5	Electrification (Lumsum)	142595.24
6	WBM Road (As per table D)	583925.00
7	Chain link fencing and Bar bed wire fencing (As per table E)	2023680.78
8	Metal Spreading (As per table F)	202203.50
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (1+3 Bay) + Stn Trans. (As table G) Outdoor	1002132.05
10	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	0.00
11	10 MVA Power Transformer Plinth Foundation (as per table G2)	0.00
12	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Outdoor	0.00
13	Water Supply arrangement for C/Room and Switch Yard.(As per table H)	76609.00
14	Borewell including pumpset and allied accessories. (As per table I)	114783.00
15	Const.of cable trench with covers in S/Yard. (As per table J)	402997.58
16	Construction of retaining wall. (As per table K)	1045707.00
17	Rain Water Harvesting (As per Table L)	82661.80
18	Culvert (As per Table N) If required	202988.00
19	Civil Works for NFIPS System	171360.00
	Total=	10429844.55

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.0103

Cost data for 33/11 kV 2 X 5 MVA New S/S(Outdoor)

Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33 KV SIDE				
1	33 KV Lightning Arrestors (Station type)	Set	4	15253.00	61012.00
2	33 KV Isolators with EB (800 A)	Set	2	69539.00	139078.00
3	33 KV Isolators without EB (800 Amp.)	Set	5	63643.00	318215.00
4	33 KV Post Insulator	Nos	6	631.00	3786.00
5	Gantry Structure/Steel section for 33 KV Bus as per Sheet No.1	Nos	1	263209.50	263209.50
6	Disc Insulator 11 KV 70 KN	Nos	36	326.00	11736.00
7	AAAC 232 mm2	MTR	200	162.00	32400.00
8	Strain Hardware for AAAC232 sq.mm.	Nos	12	693.00	8316.00
9	Earthing complete as per Sheet no.2	Set	2	298186.00	596372.00
10	Power Transformer 33/11 KV, 5 MVA	No	2	4525010.00	9050020.00
11	33 KV P.T.	Nos	3	24916.00	74748.00
12	33 kV C. T. (400-200/1-1-1)	Nos	6	33015.00	198090.00
13	33 KV VCB complete 1600 Amp (O.D.)	Set	2	247885.00	495770.00
14	C&R panel for 33 KV Transformer with 1 Amp. Relay	No	2	71641.00	143282.00
15	33 kV Pin Insulators with G.I. Pins	Nos	12	486.00	5832.00
16	Structure for 33 KV CT & PT as per Sheet no.3	No	2	64960.00	129920.00
17	G.I.Nut Bolts	KG	150	112.00	16800.00
B	11 KV SIDE				
18	11 kv 250 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Islators, C.T. & P.T. etc.	Set	2	1078087.00	2156174.00
19	Take off structure for 3 outgoing feeder as per Sheet no.4	No.	2	356145.00	712290.00
20	L.As. 11 KV (Gapless type) with disconnector	Set	2	1531.00	3062.00
21	11 kV Pin Insulators with G.I. Pins	No.	24	120.00	2880.00
22	Clamps and Connectors as per Sheet no.5	No.	1	289032.00	289032.00
23	Structure for 11 KV Main Bus as per Sheet no.6	No.	2	279619.00	559238.00
24	S/S Yard lighting as per Sheet no.7	No.	1	178380.00	178380.00
25	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
26	11/0.43 KV x 100 KVA station Transformer as per Sheet no.8	No.	1	274033.40	274033.40
27	Control cables for S/S as per Sheet no.9	No.	1	241283.00	241283.00
28	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

D	Cost of material		16072083.90
1	Erection cost on material	5.00%	803604
2	Contractor supervision charges on material	5.00%	803604
	Sub-Total		17679292
3	Contractor's Profit	5.00%	883965
	Sub-Total		18563257
4	Transportation on material	4.00%	642883
5	T&P on material cost	1.00%	160721
6	Contingencies on material	2.00%	321442
	Service Cost		39858768
	Sub-Total		19688303
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	39377
	Sub-Total		19727679
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	36496
9	Insurance	1.00%	197277
10	Turnkey Charges	0.00%	0
	Total		19961452
9	Civil Works As per Sheet 'C'	No.	1
	Total Cost of Estimate		31100185

Particulars	DPR Amount	Tender/ Estimate Amount
		75.37%
Cost with overheads on Material	28185614	19961528
Civil Works As per Sheet 'C'	15119715	11138732
Total Cost of the Estimate	43305329	31100260

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for 33 KV Gantry M.S. Structure/Steel Section for 2x 5 MVA, 33/11 kv S/S (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(6Nos.)-496.0 kg.	MT	2.976	65475.00	194853.60
2	Beam type HA(4 Nos.)-261.0 Kg.	MT	1.044	65475.00	68355.90
				Total:	263209.50

Sheet No.2

Cost data for Earthing Work at 2x 5 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	298186.00

Sheet No.3

Cost data of Structure for 33 KV CT & PT at 2x5 MVA, 33/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet No :

4

Cost data for Take off structure for 11 KV Feeders 3 outlets at 1x 10 MVA,33/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	8	12493.00	99944.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 100 mm2	Rmt.	150	70.00	10500.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	18	642.00	11556.00
b)	T-Connector for 100 sq mm conductor	Nos.	18	843.00	15174.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	356145.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.

5

Cost data for Clamps & Connectors at 2x5 MVA, 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 33 KV Isolator	Nos.	42	1141.00	47922.00
3	Connectors for T/F Bushing	Nos.	12	4350.00	52200.00
4	Clamps for 33 KV C.T.	Nos.	12	1668.00	20016.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	12	2415.00	28980.00
				Total:	289032.00

Sheet No-

6

Cost data for structure of 11 kV Main Bus at 2 X 5 MVA,33/11 kV Sub-Station

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
7	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
10	AAAC 100 mm ²	Rmt.	150	70.00	10500.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	T-Connector for 100 sq mm conductor	Nos.	12	843.00	10116.00
15	Miscellaneous material	LS	1	518.00	518.00
				Total:	279619.00

Sheet No.7

Cost data for Yard Lighting of 2X 5 MVA, 33/11 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cum	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	178380.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.8

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 2x 5 MVA, 33/11 S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
7	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
8	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
9	11 kv Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
10	L.T.XLPE Armoured 3.5 Core cable 120 sq.mm.	Rmt.	10	453.00	4530.00
11	L.T.XLPE Armoured 3.5 Core cable 70 sq.mm.	Rmt.	50	275.00	13750.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	274033.40

Sheet No.9

Cost data for Control cable 2 X 5 MVA, 33/11KV S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C

Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A)	347011.50
2	Control room (As per table B) outdoor	3066043.50
3	Store room of size 8.0m X 6.0 m (As per table C)	965146.60
4	Sanitary Water supply	0.00
5	Electrification (Lumsum)	142595.24
6	WBM Road (As per table D)	583925.00
7	Chain link fencing and Bar bed wire fencing (As per table E)	2023680.78
8	Metal Spreading (As per table F)	202203.50
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (1+3 Bay) + Stn Trans. (As table G) Outdoor	1002132.05
10	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	880247.60
11	10 MVA Power Transformer Plinth Foundation (as per table G2)	0
12	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Outdoor	0
13	Water Supply arrangement for C/Room and Switch Yard.(As per table H)	76609.00
14	Borewell including pumpset and allied accessories. (As per table I)	114783.00
15	Const.of cable trench with covers in S/Yard. (As per table J)	402997.58
16	Construction of retaining wall. (As per table K)	1045707.00
17	Rain Water Harvesting (As per Table L)	82661.80
18	Culvert (As per Table N) If required	202988.00
	Total=	11138732.15

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0104

Cost data for 33/11 kV 2 X 10 MVA New S/S(Outdoor)

Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33 KV SIDE				
1	33 KV Lightning Arrestors (Station type)	Set	4	15253.00	61012.00
2	33 KV Isolators with EB (800 A)	Set	2	69539.00	139078.00
3	33 KV Isolators without EB (800 Amp.)	Set	5	63643.00	318215.00
4	33 KV Post Insulator	Nos	6	631.00	3786.00
5	Gantry Structure/Steel section for 33 KV Bus as per Sheet No.1	Nos	1	263209.50	263209.50
6	Disc Insulator 11 KV 70 KN	Nos	36	326.00	11736.00
7	AAAC 232 mm2	MTR	200	162.00	32400.00
8	Strain Hardware for AAAC232 sq.mm.	Nos	12	693.00	8316.00
9	Earthing complete as per Sheet no.2	Set	2	298186.00	596372.00
10	Power Transformer 33/11 KV, 10 MVA	No	2	8098196.00	16196392.00
11	33 KV P.T.	Nos	3	24916.00	74748.00
12	33 kV C. T. (400-200/1-1-1)	Nos	6	33015.00	198090.00
13	33 KV VCB complete 1600 Amp (O.D.)	Set	2	247885.00	495770.00
14	C&R panel for 33 KV Transformer with Diff. Protection	No	2	78541.00	157082.00
16	33 kV Pin Insulators with G.I. Pins	Nos	12	486.00	5832.00
17	Structure for 33 KV CT & PT as per Sheet no.3	No	2	64960.00	129920.00
18	G.I.Nut Bolts	KG	150	112.00	16800.00
B	11 KV SIDE				
19	11 kv 250 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Islators, C.T. & P.T. etc.	Set	2	1078087.00	2156174.00
20	Take off structure for 3 outgoing feeder as per Sheet no.4	No.	2	439101.00	878202.00
21	L.As. 11 KV (Gapless type) with disconnector	Set	2	1531.00	3062.00
22	11 kV Pin Insulators with G.I. Pins	No.	24	120.00	2880.00
23	Clamps and Connectors as per Sheet no.5	No.	1	289032.00	289032.00
24	Structure for 11 KV Main Bus as per Sheet no.6	No.	2	341191.00	682382.00
25	S/S Yard lighting as per Sheet no.7	No.	1	190030.00	190030.00
26	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
27	11/0.43 KV x 100 KVA station Transformer as per Sheet no.8	No.	1	274033.40	274033.40
28	Control cables for S/S as per Sheet no.9	No.	1	241283.00	241283.00
29	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

D	Cost of material			23532961.90
1	Erection cost on material	5.00%		1176648
2	Contractor supervision charges on material	5.00%		1176648
	Sub-Total			25886258
3	Contractor's Profit	5.00%		1294313
	Sub-Total			27180571
4	Transportation on material	4.00%		941318
5	T&P on material cost	1.00%		235330
6	Contingencies on material	2.00%		470659
	Service Cost			58361746
	Sub-Total			28827878
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%		57656
	Sub-Total			28885534
8	Labour Cess (1% of Centages and Civil works, civil cost includes labour cess)	0.19%		53438
9	Insurance	1.00%		288855
10	Turnkey Charges	0.00%		0
	Total			29227828
9	Civil Works As per Sheet 'C'	No.	1	11518326
	Total Cost of Estimate			40746154

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	41269755	29227939
Civil Works As per Sheet 'C'	15634976	11518326
Total Cost of the Estimate	56904731	40746265

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for 33 KV Gantry M.S. Structure/Steel Section for 2x 10 MVA, 33/11 kv S/S (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(6Nos.)-496.0 kg.	MT	2.976	65475.00	194853.60
2	Beam type HA(4 Nos.)-261.0 Kg.	MT	1.044	65475.00	68355.90
				Total:	263209.50

Sheet No.2

Cost data for Earthing Work at 2x 10 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	298186.00

Sheet No.3

Cost data of Structure for 33 KV CT & PT at 2x 10 MVA, 33/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet No :

4

Cost data for Take off structure for 11 KV Feeders 3 outlets at 1x 10 MVA,33/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	8	12493.00	99944.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for AAAC232 sq.mm.	Nos.	36	693.00	24948.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 232 mm2	Rmt.	150	162.00	24300.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	PANTHER TO PANTHER or equivalent AAAC	Nos.	18	826.00	14868.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	18	3855.00	69390.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	439101.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.

5

Cost data for Clamps & Connectors at 2x 10 MVA, 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 33 KV Isolator	Nos.	42	1141.00	47922.00
3	Connectors for T/F Bushing	Nos.	12	4350.00	52200.00
4	Clamps for 33 KV C.T.	Nos.	12	1668.00	20016.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	12	2415.00	28980.00
		Total:			289032.00

Sheet No-6

Cost data for structure of 11 kV Main Bus at 2 X 10 MVA,33/11 kV Sub-Station

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for AAAC232 sq.mm.	Nos.	36	693.00	24948.00
7	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
10	AAAC 232 mm2	Rmt.	150	162.00	24300.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	T-Connector for 200 sq mm conductor(Compression type)	Nos.	12	3855.00	46260.00
15	Miscellaneous material	LS	1	518.00	518.00
				Total:	341191.00

Sheet No.7

Cost data for Yard Lighting of 2X 10 MVA, 33/11 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Mtr.	250	125.00	31250.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Mtr.	100	79.00	7900.00
5	Concreting ration 1:3:6	Cmt.	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cmt.	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	190030.00

Sheet No.8

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 2x 10 MVA, 33/11 KV S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
7	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
8	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
9	11 kV Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
10	L.T.XLPE Armoured 3.5 Core cable 120 sq.mm.	Rmt.	10	453.00	4530.00
11	L.T.XLPE Armoured 3.5 Core cable 70 sq.mm.	Rmt.	50	275.00	13750.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	274033.40

Sheet No.9

Cost data for Control cable 2 X 10 MVA, 33/11KV S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A)	347011.50
2	Control room (As per table B) outdoor	3066043.50
3	Store room of size 8.0m X 6.0 m (As per table C)	965146.60
4	Sanitary Water supply	0.00
5	Electrification (Lumsum)	142595.24
6	WBM Road (As per table D)	583925.00
7	Chain link fencing and Bar bed wire fencing (As per table E)	2023680.78
8	Metal Spreading (As per table F)	202203.50
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (1+3 Bay) + Stn Trans. (As table G) Outdoor	1002132.05
10	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	880247.60
11	10 MVA Power Transformer Plinth Foundation (as per table G2)	0.00
12	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Outdoor	36873.85
13	Water Supply arrangement for C/Room and Switch Yard.(As per table H)	76609.00
14	Borewell including pumpset and allied accessories. (As per table I)	114783.00
15	Const.of cable trench with covers in S/Yard. (As per table J)	402997.58
16	Construction of retaining wall. (As per table K)	1045707.00
17	Rain Water Harvesting (As per Table L)	82661.80
18	Culvert (As per Table N) If required	202988.00
	Civil Works for NFIPS System (For 2 PTF)	342720.00
	Total=	11518326.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0105

Cost data for 33/11 kV 1 X 5 MVA & 1 X 10 MVA New S/S(Outdoor)

Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33 KV SIDE				
1	33 KV Lightning Arrestors (Station type)	Set	4	15253.00	61012.00
2	33 KV Isolators with EB (800 A)	Set	2	69539.00	139078.00
3	33 KV Isolators without EB (800 Amp.)	Set	5	63643.00	318215.00
4	33 KV Post Insulator	Nos	6	631.00	3786.00
5	Gantry Structure/Steel section for 33 KV Bus as per Sheet No.1	Nos	1	263209.50	263209.50
6	Disc Insulator 11 KV 70 KN	Nos	36	326.00	11736.00
7	AAAC 232 mm2	MTR	200	162.00	32400.00
8	Strain Hardware for AAAC232 sq.mm.	Nos	12	693.00	8316.00
9	Earthing complete as per Sheet no.2	Set	2	298186.00	596372.00
10	Power Transformer 33/11 KV, 5 MVA	No	1	4525010.00	4525010.00
11	Power Transformer 33/11 KV, 10 MVA	No	1	8098196.00	8098196.00
12	33 KV P.T.	Nos	3	24916.00	74748.00
13	33 kv C. T. (400-200/1-1-1)	Nos	6	33015.00	198090.00
14	33 KV VCB complete 1600 Amp (O.D.)	Set	2	247885.00	495770.00
15	C&R panel for 33 KV Transformer with Diff. Protection	No	1	78541.00	78541.00
16	C&R panel for 33 KV Transformer with 1 Amp. Relay	No	1	71641.00	71641.00
17	33 kv Pin Insulators with G.I. Pins	Nos	12	486.00	5832.00
18	Structure for 33 KV CT & PT as per Sheet no.3	No	2	64960.00	129920.00
19	G.I.Nut Bolts	KG	150	112.00	16800.00
B	11 KV SIDE				
20	11 kv 250 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Islators, C.T. & P.T. etc.	Set	2	1078087.00	2156174.00
21	Take off structure for 3 outgoing feeder as per Sheet no.4	No.	2	434623.00	869246.00
22	L.As. 11 KV (Gapless type) with disconnector	Set	2	1531.00	3062.00
23	11 kv Pin Insulators with G.I. Pins	No.	24	120.00	2880.00
24	Clamps and Connectors as per Sheet no.5	No.	1	289032.00	289032.00
25	Structure for 11 KV Main Bus as per Sheet no.6	No.	2	373408.00	746816.00
26	S/S Yard lighting as per Sheet no.7	No.	1	178380.00	178380.00
27	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
28	11/0.43 KV x 100 KVA station Transformer as per Sheet no.8	No.	1	274033.40	274033.40
29	Control cables for S/S as per Sheet no.9	No.	1	241283.00	241283.00
30	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

D	Cost of material			19996703.90
1	Erection cost on material	5.00%		999835
2	Contractor supervision charges on material	5.00%		999835
	Sub-Total			21996374
3	Contractor's Profit	5.00%		1099819
	Sub-Total			23096193
4	Transportation on material	4.00%		799868
5	T&P on material cost	1.00%		199967
6	Contingencies on material	2.00%		399934
	Service Cost			49591826
	Sub-Total			24495962
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%		48992
	Sub-Total			24544954
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour ccess)	0.19%		45408
9	Insurance	1.00%		245450
10	Turnkey Charges	0.00%		0
	Total			24835812
9	Civil Works As per Sheet 'C'	No.	1	11346966
	Total Cost of Estimate			36182778

Particulars	DPR Amount	Tender/ Estimate Amount
		75.37%
Cost with overheads on Material	35068220	24835906
Civil Works As per Sheet 'C'	15402372	11346966
Total Cost of the Estimate	50470591	36182872

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for 33 KV Gantry M.S. Structure/Steel Section for 1x 5 MVA &1x10 MVA 33/11 kv S/S (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(6Nos.)-496.0 kg.	MT	2.976	65475.00	194853.60
2	Beam type HA(4 Nos.)-261.0 Kg.	MT	1.044	65475.00	68355.90
				Total:	263209.50

Sheet No.2

Cost data for Earthing Work at 1x 5 MVA & 1x 10 MVA 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	298186.00

Sheet No.3

Cost data of Structure for 33 KV CT & PT at 1x5 MVA & 1x10 MVA 33/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet No :

4

Cost data for Take off structure for 11 KV Feeders 3 outlets at 1x 10 MVA,33/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
8	Strain Hardware for AAAC232 sq.mm.	Nos.	36	693.00	24948.00
9	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
10	Earthing Sets H.T	Sets	3	462.00	1386.00
11	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
12	AAAC 100 mm2	Rmt.	150	70.00	10500.00
13	AAAC 232 mm2	Rmt.	150	162.00	24300.00
14	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
15	G.I.Nut Bolts	Kg.	50	112.00	5600.00
16	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
17	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	18	642.00	11556.00
d)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	18	3855.00	69390.00
18	Miscellaneous material	LS	1	518.00	518.00
				Total:	434623.00

Sheet No.

5

Cost data for Clamps & Connectors at 1x5 MVA & 1x10 MVA 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 33 KV Isolator	Nos.	42	1141.00	47922.00
3	Connectors for T/F Bushing	Nos.	12	4350.00	52200.00
4	Clamps for 33 KV C.T.	Nos.	12	1668.00	20016.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	12	2415.00	28980.00
				Total:	289032.00

Sheet No-

6

Cost data for structure of 11 kV Main Bus at 1x5 MVA & 1x10 MVA 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
7	Strain Hardware for AAAC232 sq.mm.	Nos.	37	693.00	25641.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 100 mm2	Rmt.	150	70.00	10500.00
12	AAAC 232 mm2	Rmt.	150	162.00	24300.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	G.I.Nut Bolts	Kg.	50	112.00	5600.00
15	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	12	642.00	7704.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	12	3855.00	46260.00
18	Miscellaneous material	LS	1	518.00	518.00
				Total:	373408.00

Sheet No.7

Cost data for Yard Lighting of 2X 5 MVA 1x5 MVA & 1x10 MVA 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cum	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	178380.00

Sheet No.8

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 1x5 MVA & 1x10 MVA 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
7	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
8	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
9	11 kv Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
10	L.T.XLPE Armoured 3.5 Core cable 120 sq.mm.	Rmt.	10	453.00	4530.00
11	L.T.XLPE Armoured 3.5 Core cable 70 sq.mm.	Rmt.	50	275.00	13750.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	274033.40

Sheet No.9

Cost data for Control cable 1x5 MVA & 1x10 MVA 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C

Cost data for civil works for 33/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A)	347011.50
2	Control room (As per table B) outdoor	3066043.50
3	Store room of size 8.0m X 6.0 m (As per table C)	965146.60
4	Sanitary Water supply	0.00
5	Electrification (Lumsum)	142595.24
6	WBM Road (As per table D)	583925.00
7	Chain link fencing and Bar bed wire fencing (As per table E)	2023680.78
8	Metal Spreading (As per table F)	202203.50
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (1+3 Bay) + Stn Trans. (As table G) Outdoor	1002132.05
10	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	880247.60
11	10 MVA Power Transformer Plinth Foundation (as per table G2)	0.00
12	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Outdoor	36873.85
13	Water Supply arrangement for C/Room and Switch Yard.(As per table H)	76609.00
14	Borewell including pumpset and allied accessories. (As per table I)	114783.00
15	Const.of cable trench with covers in S/Yard. (As per table J)	402997.58
16	Construction of retaining wall. (As per table K)	1045707.00
17	Rain Water Harvesting (As per Table L)	82661.80
18	Culvert (As per Table N) If required	202988.00
	Civil Works for NFIPS System	171360.00
	Total=	11346966.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0101A

Cost data for 33/11 KV, 1x5 MVA Substation (Outdoor) with RSJ pole structure.

Sr.No.	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33 KV SIDE				
1	33 KV Lightning Arrestors (Station type)	Set	2	15253.00	30506.00
2	33 KV Isolators with EB (800 A)	Set	1	69539.00	69539.00
3	33 KV Isolators without EB (800 Amp.)	Set	3	63643.00	190929.00
4	33 KV Post Insulator	Nos	3	631.00	1893.00
5	RSJ 125x70, 8 m long	Nos	8	6322.00	50576.00
6	MS Channel 100x50x6 mm	Kg.	1650	70.00	115500.00
7	M.S. Angel(75 X 40 mm)	Kg.	100	70.00	7000.00
8	M.S. Flats(50 X 10mm)	Kg.	80	65.00	5200.00
9	Disc Insulator 11 KV 70 KN	Nos	18	326.00	5868.00
10	AAAC 232 mm2	MTR	200	162.00	32400.00
11	Strain Hardware for AAAC232 sq.mm.	Nos	6	693.00	4158.00
12	Earthing complete as per Sheet no.1	Set	1	298186.00	298186.00
13	Power Transformer 33/11 KV, 5 MVA	No	1	4525010.00	4525010.00
14	33 KV P.T.	Nos	3	24916.00	74748.00
15	33 kv C. T. (400-200/1-1-1)	Nos	3	33015.00	99045.00
16	33 KV VCB complete 1600 Amp (O.D.)	Set	1	247885.00	247885.00
17	C&R panel for 33 KV Transformer with 1 Amp. Relay	No	1	71641.00	71641.00
18	33 kv Pin Insulators with G.I. Pins	Nos	6	486.00	2916.00
19	Structure for 33 KV CT & PT as per Sheet no.2	No	1	64960.00	64960.00
20	G.I.Nut Bolts	KG	150	112.00	16800.00
22	Marshalling Box	Nos.	1	5783.00	5783.00
B	11 KV SIDE				
21	11 kv 250 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Isulators, C.T. & P.T. etc.	Set	1	1078087.00	1078087.00
22	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
23	Take off structure for 3 outgoing feeder as per Sheet no.3	No.	1	331159.00	331159.00
24	11 kv Pin Insulators with G.I. Pins	No.	12	120.00	1440.00
25	Clamps and Connectors as per Sheet no.4	No.	1	217896.00	217896.00
26	Structure for 11 KV Main Bus as per Sheet no.5	No.	1	255237.00	255237.00
27	S/S Yard lighting as per Sheet no.6	No.	1	157462.00	157462.00
28	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
29	11/0.43 KV x 100 KVA station Transformer as per Sheet no.7	No.	1	268853.40	268853.40
30	Control cables for S/S as per Sheet no.8	No.	1	119963.00	119963.00
31	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

Cost of material

8459296.40

1	Erection cost on material	5.00%	422965
2	Contractor supervision charges on material	5.00%	422965
	Sub-Total		9305226
3	Contractor's Profit	5.00%	465261
	Sub-Total		9770487
4	Transportation on material	4.00%	338372
5	T&P on material cost	1.00%	84593
6	Contingencies on material	2.00%	169186
	Service Cost		20979055
	Sub-Total		10362638
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	20725
	Sub-Total		10383363
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	19209
9	Insurance	1.00%	103834
10	Turnkey Charges	0.00%	0

Total

10506406

9	Civil Works As per Sheet 'C'	No.	1	10258485
	Total Cost of Estimate			20764891

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	14835068	10506446
Civil Works As per Sheet 'C'	13924867	10258485
Total Cost of the Estimate	28759935	20764931

Sheet No.1

Cost data for Earthing Work at 1x 5 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	298186.00

Sheet No.2

Cost data of Structure for 33 KV CT & PT at 1x5 MVA 33/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet No :

3

Cost data for Take off structure for 11 KV Feeders 3 outlets at 1x5 MVA,33/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 100 mm2	Rmt.	150	70.00	10500.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	18	642.00	11556.00
b)	T-Connector for 100 sq mm conductor	Nos.	18	843.00	15174.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	331159.00

Sheet No.

4

Cost data for Clamps & Connectors at 1x 5 MVA, 3311 kv sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 33 KV Isolator	Nos.	24	1141.00	27384.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 33 KV C.T.	Nos.	6	1668.00	10008.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	6	2415.00	14490.00
				Total:	217896.00

Sheet No.5

Cost data for Structure of 11 KV Main Bus at 1x5MVA, 33/11 KV Sub-Station (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	Rate	Amount
1	RSJ 125x70, 8 m long	Nos.	8	6322.00	50576.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
7	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
10	AAAC 100 mm2	Rmt.	150	70.00	10500.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	T-Connector for 100 sq mm conductor	Nos.	12	843.00	10116.00
15	Miscellaneous material	LS	1	518.00	518.00
				Total:	255237.00

Sheet No.6

Cost data for Yard Lighting of 1 x 5 MVA , 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	12	1625.00	19500.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	12	5800.00	69600.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	7	4328.00	30296.00
6	Red Bricks	No.	1000	8.00	8000.00
7	Sand	Cmt	6	280.00	1680.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	157462.00

Sheet No.7

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 1x5 MVA S/S. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
7	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
8	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
9	11 kV Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
10	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	10	275.00	2750.00
11	L.T. XLPE armoured cable 3 1/2 C 50 sq.mm.	Rmt.	50	207.00	10350.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	268853.40

Sheet No.8

Cost data for Control cable 1 X 5 MVA S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	125	474.00	59250.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	130	309.00	40170.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	55	125.00	6875.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	50	79.00	3950.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	100	92.00	9200.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	119963.00

C Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A)	347011.50
2	Control room (As per table B) outdoor	3066043.50
3	Store room of size 8.0m X 6.0 m (As per table C)	965146.60
4	Sanitary Water supply	0.00
5	Electrification (Lumsum)	142595.24
6	WBM Road (As per table D)	583925.00
7	Chain link fencing and Bar bed wire fencing (As per table E)	2023680.78
8	Metal Spreading (As per table F)	202203.50
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (1+3 Bay) + Stn Trans. (As table G) Outdoor	1002132.05
10	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	0.00
11	10 MVA Power Transformer Plinth Foundation (as per table G2)	0.00
12	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Outdoor	0.00
13	Water Supply arrangement for C/Room and Switch Yard.(As per table H)	76609.00
14	Borewell including pumpset and allied accessories. (As per table I)	114783.00
15	Const.of cable trench with covers in S/Yard. (As per table J)	402997.58
16	Construction of retaining wall. (As per table K)	1045707.00
17	Rain Water Harvesting (As per Table L)	82661.80
18	Culvert (As per Table N) If required	202988.00
	Total=	10258484.55

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0102A

Cost data for 33/11 kV 1 X 10 MVA New S/S(Outdoor) with RSJ pole structure

Sr.No.	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33 KV SIDE				
1	33 KV Lightning Arrestors (Station type)	Set	2	15253.00	30506.00
2	33 KV Isolators with EB (800 A)	Set	1	69539.00	69539.00
3	33 KV Isolators without EB (800 Amp.)	Set	3	63643.00	190929.00
4	33 KV Post Insulator	Nos	3	631.00	1893.00
5	RSJ 125x70, 8 m long	Nos	8	6322.00	50576.00
6	MS Channel 100x50x6 mm	Kg.	1650	70.00	115500.00
7	M.S. Angel(75 X 40 mm)	Kg.	100	70.00	7000.00
8	M.S. Flats(50 X 10mm)	Kg.	80	65.00	5200.00
9	Disc Insulator 11 KV 70 KN	Nos	18	326.00	5868.00
10	AAAC 232 mm2	MTR	200	162.00	32400.00
11	Strain Hardware for AAAC232 sq.mm.	Nos	6	693.00	4158.00
12	Earthing complete as per Sheet no.1	Set	1	333296.00	333296.00
13	Power Transformer 33/11 KV, 10 MVA	No	1	8098196.00	8098196.00
14	33 KV P.T.	Nos	3	24916.00	74748.00
15	33 kv C. T. (400-200/1-1-1)	Nos	3	33015.00	99045.00
16	33 KV VCB complete 1600 Amp (O.D.)	Set	1	247885.00	247885.00
17	C&R panel for 33 KV Transformer with Diff. Protection	No	1	78541.00	78541.00
18	33 kv Pin Insulators with G.I. Pins	Nos	6	486.00	2916.00
19	Structure for 33 KV CT & PT as per Sheet no.2	No	1	64960.00	64960.00
20	G.I.Nut Bolts	KG	150	112.00	16800.00
21	Fire Extinguisher with stand 9 Kg.	Set	L.S	4830.00	4830.00
22	Marshalling Box	Nos.	1	5783.00	5783.00
B	11 KV SIDE				
22	11 kv 250 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Islators, C.T. & P.T. etc.	Set	1	1078087.00	1078087.00
23	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
24	Take off structure for 3 outgoing feeder as per Sheet no.3	No.	1	414115.00	414115.00
25	11 kv Pin Insulators with G.I. Pins	No.	12	120.00	1440.00
26	Clamps and Connectors as per Sheet no.4	No.	1	217896.00	217896.00
27	Structure for 11 KV Main Bus as per Sheet no.5	No.	1	316809.00	316809.00
28	S/S Yard lighting as per Sheet no.6	No.	1	157462.00	157462.00
29	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
30	11/0.43 KV x 100 KVA station Transformer as per Sheet no.7	No.	1	274033.40	274033.40
31	Control cables for S/S as per Sheet no.8	No.	1	119963.00	119963.00
32	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

D	Cost of material			12229030.40
1	Erection cost on material	5.00%		611452
2	Contractor supervision charges on material	5.00%		611452
	Sub-Total			13451933
3	Contractor's Profit	5.00%		672597
	Sub-Total			14124530
4	Transportation on material	4.00%		489161
5	T&P on material cost	1.00%		122290
6	Contingencies on material	2.00%		244581
	Service Cost			30327995
	Sub-Total			14980562
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%		29961
	Sub-Total			15010523
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%		27769
9	Insurance	1.00%		150105
10	Turnkey Charges	0.00%		0
	Total			15188398
9	Civil Works As per Sheet 'C'	No.	1	10429845
	Total Cost of Estimate			25618243

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	21446051	15188456
Civil Works As per Sheet 'C'	14157471	10429845
Total Cost of the Estimate	35603522	25618300

Sheet No.1

Cost data for Earthing Work at 1x 10 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	2000	65.00	130000.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1400	17.00	23800.00
4	Salt	Kg.	1400	12.00	16800.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	333296.00

Sheet No.2

Cost data of Structure for 33 KV CT & PT at 1x10 MVA 33/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet No :

3

Cost data for Take off structure for 11 KV Feeders 3 outlets at 1x 10 MVA,33/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for AAAC232 sq.mm.	Nos.	36	693.00	24948.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 232 mm2	Rmt.	150	162.00	24300.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	PANTHER TO PANTHER or equivalent AAAC	Nos.	18	826.00	14868.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	18	3855.00	69390.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	414115.00

Sheet No.
4

**Cost data for Clamps & Connectors at 1x 10 MVA,
3311 kv sub stn. (Outdoor)**

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 33 KV Isolator	Nos.	24	1141.00	27384.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 33 KV C.T.	Nos.	6	1668.00	10008.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	6	2415.00	14490.00
				Total:	217896.00

Sheet No.5

Cost data for Structure of 11 KV Main Bus at 1x 10MVA, 33/11 KV Sub-Station (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 125x70, 8 m long	Nos.	8	6322.00	50576.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for AAAC232 sq.mm.	Nos.	36	693.00	24948.00
7	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
10	AAAC 232 mm2	Rmt.	150	162.00	24300.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	T-Connector for 200 sq mm conductor(Compression type)	Nos.	12	3855.00	46260.00
15	Miscellaneous material	LS	1	518.00	518.00
				Total:	316809.00

Sheet No.6

Cost data for Yard Lighting of 1 x 10 MVA , 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	12	1625.00	19500.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	12	5800.00	69600.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	7	4328.00	30296.00
6	Red Bricks	No.	1000	8.00	8000.00
7	Sand	Cmt	6	280.00	1680.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	157462.00

Sheet No.7

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 1x10 MVA S/S. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
7	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
8	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
9	11 kv Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
10	L.T.XLPE Armoured 3.5 Core cable 120 sq.mm.	Rmt.	10	453.00	4530.00
11	L.T.XLPE Armoured 3.5 Core cable 70 sq.mm.	Rmt.	50	275.00	13750.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	274033.40

Sheet No.8

Cost data for Control cable 1 X 10 MVA S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	125	474.00	59250.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	130	309.00	40170.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	55	125.00	6875.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	50	79.00	3950.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	100	92.00	9200.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	119963.00

C Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A)	347011.5
2	Control room (As per table B) outdoor	3066043.5
3	Store room of size 8.0m X 6.0 m (As per table C)	965146.6
4	Sanitary Water supply	0
5	Electrification (Lumsum)	142595.2425
6	WBM Road (As per table D)	583925
7	Chain link fencing and Bar bed wire fencing (As per table E)	2023680.78
8	Metal Spreading (As per table F)	202203.5
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (1+3 Bay) + Stn Trans. (As table G) Outdoor	1002132.05
10	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	0
11	10 MVA Power Transformer Plinth Foundation (as per table G2)	0
12	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Outdoor	0
13	Water Supply arrangement for C/Room and Switch Yard.(As per table H)	76609
14	Borewell including pumpset and allied accessories. (As per table I)	114783
15	Const.of cable trench with covers in S/Yard. (As per table J)	402997.58
16	Construction of retaining wall. (As per table K)	1045707
17	Rain Water Harvesting (As per Table L)	82661.80
18	Culvert (As per Table N) If required	202988.00
	Civil Works for NFIPS System	171360.00
	Total=	10429844.55

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.0103A

Cost data for 33/11 KV 2 X 5 MVA New S/S(Outdoor) with RSJ pole structure

Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33 KV SIDE				
1	33 KV Lightning Arrestors (Station type)	Set	4	15253.00	61012.00
2	33 KV Isolators with EB (800 A)	Set	2	69539.00	139078.00
3	33 KV Isolators without EB (800 Amp.)	Set	5	63643.00	318215.00
4	33 KV Post Insulator	Nos	6	631.00	3786.00
5	RSJ 125x70, 8 m long	Nos	16	6322.00	101152.00
6	MS Channel 100x50x6 mm	Kg.	3300	70.00	231000.00
7	M.S. Angel(75 X 40 mm)	Kg.	200	70.00	14000.00
8	M.S. Flats(50 X 10mm)	Kg.	160	65.00	10400.00
9	Disc Insulator 11 KV 70 KN	Nos	36	326.00	11736.00
10	AAAC 232 mm2	MTR	200	162.00	32400.00
11	Strain Hardware for AAAC232 sq.mm.	Nos	12	693.00	8316.00
12	Earthing complete as per Sheet no.1	Set	2	298186.00	596372.00
13	Power Transformer 33/11 KV, 5 MVA	No	2	4525010.00	9050020.00
14	33 KV P.T.	Nos	3	24916.00	74748.00
15	33 kv C. T. (400-200/1-1-1)	Nos	6	33015.00	198090.00
16	33 KV VCB complete 1600 Amp (O.D.)	Set	2	247885.00	495770.00
17	C&R panel for 33 KV Transformer with 1 Amp. Relay	No	2	71641.00	143282.00
18	33 kv Pin Insulators with G.I. Pins	Nos	12	486.00	5832.00
19	Structure for 33 KV CT & PT as per Sheet no.2	No	2	64960.00	129920.00
20	G.I.Nut Bolts	KG	150	112.00	16800.00
21	Fire Extinguisher with stand 9 Kg.	Set	L.S	4830.00	4830.00
22	Marshalling Box	Nos.	2	5783.00	11566.00
B	11 KV SIDE				
22	11 kv 250 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Islators, C.T. & P.T. etc.	Set	2	1078087.00	2156174.00
23	Take off structure for 3 outgoing feeder as per Sheet no.3	No.	2	356145.00	712290.00
24	L.As. 11 KV (Gapless type) with disconnector	Set	2	1531.00	3062.00
25	11 kv Pin Insulators with G.I. Pins	No.	24	120.00	2880.00
26	Clamps and Connectors as per Sheet no.4	No.	1	289032.00	289032.00
27	Structure for 11 KV Main Bus as per Sheet no.5	No.	2	255237.00	510474.00
28	S/S Yard lighting as per Sheet no.6	No.	1	178380.00	178380.00
29	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
30	11/0.43 KV x 100 KVA station Transformer as per Sheet no.7	No.	1	274033.40	274033.40
31	Control cables for S/S as per Sheet no.8	No.	1	241283.00	241283.00
32	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

D	Cost of material			16133058.40
1	Erection cost on material	5.00%		806653
2	Contractor supervision charges on material	5.00%		806653
	Sub-Total			17746364
3	Contractor's Profit	5.00%		887318
	Sub-Total			18633682
4	Transportation on material	4.00%		645322
5	T&P on material cost	1.00%		161331
6	Contingencies on material	2.00%		322661
	Service Cost			40009985
	Sub-Total			19762997
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%		39526
	Sub-Total			19802523
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%		36635
9	Insurance	1.00%		198025
10	Turnkey Charges	0.00%		0
	Total			20037182
9	Civil Works As per Sheet 'C'	No.	1	11138732
	Total Cost of Estimate			31175915

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	28292545	20037259
Civil Works As per Sheet 'C'	15119715	11138732
Total Cost of the Estimate	43412260	31175991

Sheet No.1

Cost data for Earthing Work at 2x 5 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	298186.00

Sheet No.2

Cost data of Structure for 33 KV CT & PT at 2x5 MVA, 33/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet No :

3

Cost data for Take off structure for 11 KV Feeders 3 outlets at 1x 10 MVA,33/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	8	12493.00	99944.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 100 mm2	Rmt.	150	70.00	10500.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	18	642.00	11556.00
b)	T-Connector for 100 sq mm conductor	Nos.	18	843.00	15174.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	356145.00

Sheet No.

4

Cost data for Clamps & Connectors at 2x5 MVA, 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 33 KV Isolator	Nos.	42	1141.00	47922.00
3	Connectors for T/F Bushing	Nos.	12	4350.00	52200.00
4	Clamps for 33 KV C.T.	Nos.	12	1668.00	20016.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	12	2415.00	28980.00
				Total:	289032.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No-
5

Cost data for structure of 11 kV Main Bus at 2 X 5 MVA,33/11 kV Sub-Station

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 125x70, 8 m long	Nos.	8	6322.00	50576.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
7	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
10	AAAC 100 mm ²	Rmt.	150	70.00	10500.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	T-Connector for 100 sq mm conductor	Nos.	12	843.00	10116.00
15	Miscellaneous material	LS	1	518.00	518.00
				Total:	255237.00

Sheet No.6

Cost data for Yard Lighting of 2X 5 MVA, 33/11 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cum	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	178380.00

Sheet No.7

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 2x 5 MVA, 33/11 S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
7	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
8	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
9	11 kV Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
10	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt.	10	453.00	4530.00
11	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	50	275.00	13750.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	274033.40

Sheet No.8

Cost data for Control cable 2 X 5 MVA, 33/11KV S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A)	347011.5
2	Control room (As per table B) outdoor	3066043.5
3	Store room of size 8.0m X 6.0 m (As per table C)	965146.6
4	Sanitary Water supply	0
5	Electrification (Lumsum)	142595.2425
6	WBM Road (As per table D)	583925
7	Chain link fencing and Bar bed wire fencing (As per table E)	2023680.78
8	Metal Spreading (As per table F)	202203.5
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (1+3 Bay) + Stn Trans. (As table G) Outdoor	1002132.05
10	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	880247.6
11	10 MVA Power Transformer Plinth Foundation (as per table G2)	0
12	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Outdoor	0
13	Water Supply arrangement for C/Room and Switch Yard.(As per table H)	76609
14	Borewell including pumpset and allied accessories. (As per table I)	114783
15	Const.of cable trench with covers in S/Yard. (As per table J)	402997.58
16	Construction of retaining wall. (As per table K)	1045707
17	Rain Water Harvesting (As per Table L)	82661.7992
18	Culvert (As per Table N) If required	202988
	Total=	11138732.15

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0104A

Cost data for 33/11 kV 2 X 10 MVA New S/S(Outdoor) with RSJ pole structure

Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33 KV SIDE				
1	33 KV Lightning Arrestors (Station type)	Set	4	15253.00	61012.00
2	33 KV Isolators with EB (800 A)	Set	2	69539.00	139078.00
3	33 KV Isolators without EB (800 Amp.)	Set	5	63643.00	318215.00
4	33 KV Post Insulator	Nos	6	631.00	3786.00
5	RSJ 125x70, 8 m long	Nos	16	6322.00	101152.00
6	MS Channel 100x50x6 mm	Kg.	3300	70.00	231000.00
7	M.S. Ange(75 X 40 mm)	Kg.	200	70.00	14000.00
8	M.S. Flats(50 X 10mm)	Kg.	160	65.00	10400.00
9	Disc Insulator 11 KV 70 KN	Nos	36	326.00	11736.00
10	AAAC 232 mm2	MTR	200	162.00	32400.00
11	Strain Hardware for AAAC232 sq.mm.	Nos	12	693.00	8316.00
12	Earthing complete as per Sheet no.1	Set	2	298186.00	596372.00
13	Power Transformer 33/11 KV, 10 MVA	No	2	8098196.00	16196392.00
14	33 KV P.T.	Nos	3	24916.00	74748.00
15	33 kv C. T. (400-200/1-1-1)	Nos	6	33015.00	198090.00
16	33 KV VCB complete 1600 Amp (O.D.)	Set	2	247885.00	495770.00
17	C&R panel for 33 KV Transformer with Diff. Protection	No	2	78541.00	157082.00
18	33 kv Pin Insulators with G.I. Pins	Nos	12	486.00	5832.00
19	Structure for 33 KV CT & PT as per Sheet no.2	No	2	64960.00	129920.00
20	G.I.Nut Bolts	KG	150	112.00	16800.00
21	Fire Extinguisher with stand 9 Kg.	Set	L.S	4830.00	4830.00
22	Marshalling Box	Nos.	4	5783.00	23132.00
B	11 KV SIDE				
23	11 kv 250 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Islators, C.T. & P.T. etc.	Set	2	1078087.00	2156174.00
24	Take off structure for 3 outgoing feeder as per Sheet no.3	No.	2	439101.00	878202.00
25	L.As. 11 KV (Gapless type) with disconnector	Set	2	1531.00	3062.00
26	11 kv Pin Insulators with G.I. Pins	No.	24	120.00	2880.00
27	Clamps and Connectors as per Sheet no.4	No.	1	289032.00	289032.00
28	Structure for 11 KV Main Bus as per Sheet no.5	No.	2	316809.00	633618.00
29	S/S Yard lighting as per Sheet no.6	No.	1	178380.00	178380.00
30	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
31	11/0.43 KV x 100 KVA station Transformer as per Sheet no.7	No.	1	274033.40	274033.40
32	Control cables for S/S as per Sheet no.8	No.	1	241283.00	241283.00
33	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

D	Cost of material				23593852.40
1	Erection cost on material		5.00%		1179693
2	Contractor supervision charges on material		5.00%		1179693
	Sub-Total				25953238
3	Contractor's Profit		5.00%		1297662
	Sub-Total				27250900
4	Transportation on material		4.00%		943754
5	T&P on material cost		1.00%		235939
6	Contingencies on material		2.00%		471877
	Service Cost				58512754
	Sub-Total				28902469
7	BG Charges on 10% of the LOA amount (on Material+centage		0.20%		57805
	Sub-Total				28960274
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)		0.19%		53577
9	Insurance		1.00%		289603
10	Turnkey Charges		0.00%		0
	Total				29303453
9	Civil Works As per Sheet 'C'	No.		1	11518326
	Total Cost of Estimate				40821779

Particulars	DPR Amount	Tender/ Estimate Amount
		75.37%
Cost with overheads on Material	41376539	29303565
Civil Works As per Sheet 'C'	15634976	11518326
Total Cost of the Estimate	57011515	40821891

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for Earthing Work at 2x 10 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	298186.00

Sheet No.2

Cost data of Structure for 33 KV CT & PT at 2x 10 MVA, 33/11 KV S/Strn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet No :

3

Cost data for Take off structure for 11 KV Feeders 3 outlets at 1x 10 MVA,33/11 KV Sub Strn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	8	12493.00	99944.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for AAAC232 sq.mm.	Nos.	36	693.00	24948.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 232 mm2	Rmt.	150	162.00	24300.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	PANTHER TO PANTHER or equivalent AAAC	Nos.	18	826.00	14868.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	18	3855.00	69390.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	439101.00

Sheet No.

4

Cost data for Clamps & Connectors at 2x 10 MVA, 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 33 KV Isolator	Nos.	42	1141.00	47922.00
3	Connectors for T/F Bushing	Nos.	12	4350.00	52200.00
4	Clamps for 33 KV C.T.	Nos.	12	1668.00	20016.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	12	2415.00	28980.00
				Total:	289032.00

Sheet No-5

Cost data for structure of 11 kV Main Bus at 2 X 10 MVA,33/11 kV Sub-Station

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 125x70, 8 m long	Nos.	8	6322.00	50576.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for AAAC232 sq.mm.	Nos.	36	693.00	24948.00
7	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
10	AAAC 232 mm2	Rmt.	150	162.00	24300.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	T-Connector for 200 sq mm conductor(Compression type)	Nos.	12	3855.00	46260.00
15	Miscellaneous material	LS	1	518.00	518.00
				Total:	316809.00

Sheet No.6

Cost data for Yard Lighting of 2X 10 MVA, 33/11 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cmt	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	178380.00

Sheet No.7

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 2x 10 MVA, 33/11 KV S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
7	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
8	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
9	11 kV Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
10	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt.	10	453.00	4530.00
11	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	50	275.00	13750.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	274033.40

Sheet No.8

Cost data for Control cable 2 X 10 MVA, 33/11KV S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A)	347011.5
2	Control room (As per table B) outdoor	3066043.5
3	Store room of size 8.0m X 6.0 m (As per table C)	965146.6
4	Sanitary Water supply	0
5	Electrification (Lumsum)	142595.2425
6	WBM Road (As per table D)	583925
7	Chain link fencing and Bar bed wire fencing (As per table E)	2023680.78
8	Metal Spreading (As per table F)	202203.5
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (1+3 Bay) + Stn Trans. (As table G) Outdoor	1002132.05
10	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	880247.6
11	10 MVA Power Transformer Plinth Foundation (as per table G2)	0
12	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Outdoor	36873.85
13	Water Supply arrangement for C/Room and Switch Yard.(As per table H)	76609
14	Borewell including pumpset and allied accessories. (As per table I)	114783
15	Const.of cable trench with covers in S/Yard. (As per table J)	402997.58
16	Construction of retaining wall. (As per table K)	1045707
17	Rain Water Harvesting (As per Table L)	82661.7992
18	Culvert (As per Table N) If required	202988
	Civil Works for NFIPS System (2 PTF)	342720.00
	Total=	11518326.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0105A

Cost data for 33/11 kV 1 X 5 MVA & 1 X 10 MVA New S/S(Outdoor) with RSJ pole structure

Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33 KV SIDE				
1	33 KV Lightning Arrestors (Station type)	Set	4	15253.00	61012.00
2	33 KV Isolators with EB (800 A)	Set	2	69539.00	139078.00
3	33 KV Isolators without EB (800 Amp.)	Set	5	63643.00	318215.00
4	33 KV Post Insulator	Nos	6	631.00	3786.00
5	RSJ 125x70, 8 m long	Nos	16	6322.00	101152.00
6	MS Channel 100x50x6 mm	Kg.	3300	70.00	231000.00
7	M.S. Angel(75 X 40 mm)	Kg.	200	70.00	14000.00
8	M.S. Flats(50 X 10mm)	Kg.	160	65.00	10400.00
9	Disc Insulator 11 KV 70 KN	Nos	36	326.00	11736.00
10	AAAC 232 mm2	MTR	200	162.00	32400.00
11	Strain Hardware for AAAC232 sq.mm.	Nos	12	693.00	8316.00
12	Earthing complete as per Sheet no.1	Set	2	298186.00	596372.00
13	Power Transformer 33/11 KV, 5 MVA	No	1	4525010.00	4525010.00
14	Power Transformer 33/11 KV, 10 MVA	No	1	8098196.00	8098196.00
15	33 KV P.T.	Nos	3	24916.00	74748.00
16	33 kv C. T. (400-200/1-1-1)	Nos	6	33015.00	198090.00
17	33 KV VCB complete 1600 Amp (O.D.)	Set	2	247885.00	495770.00
18	C&R panel for 33 KV Transformer with Diff. Protection	No	1	78541.00	78541.00
19	C&R panel for 33 KV Transformer with 1 Amp. Relay	No	1	71641.00	71641.00
20	33 kV Pin Insulators with G.I. Pins	Nos	12	486.00	5832.00
21	Structure for 33 KV CT & PT as per Sheet no.2	No	2	64960.00	129920.00
22	G.I.Nut Bolts	KG	150	112.00	16800.00
23	Fire Extinguisher with stand 9 Kg.	Set	L.S	4830.00	4830.00
B	11 KV SIDE				
24	11 kv 250 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Islators, C.T. & P.T. etc.	Set	2	1078087.00	2156174.00
25	Take off structure for 3 outgoing feeder as per Sheet no.3	No.	2	434623.00	869246.00
26	L.As. 11 KV (Gapless type) with disconnector	Set	2	1531.00	3062.00
27	11 kV Pin Insulators with G.I. Pins	No.	24	120.00	2880.00
28	Clamps and Connectors as per Sheet no.4	No.	1	330108.00	330108.00
29	Structure for 11 KV Main Bus as per Sheet no.5	No.	2	348333.00	696666.00
30	S/S Yard lighting as per Sheet no.6	No.	1	178380.00	178380.00
31	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
32	11/0.43 KV x 100 KVA station Transformer as per Sheet no.7	No.	1	274033.40	274033.40
33	Control cables for S/S as per Sheet no.8	No.	1	241283.00	241283.00
34	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

D	Cost of material			20085802.40
1	Erection cost on material	5.00%		1004290
2	Contractor supervision charges on material	5.00%		1004290
	Sub-Total			22094383
3	Contractor's Profit	5.00%		1104719
	Sub-Total			23199102
4	Transportation on material	4.00%		803432
5	T&P on material cost	1.00%		200858
6	Contingencies on material	2.00%		401716
	Service Cost			49812790
	Sub-Total			24605108
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%		49210
	Sub-Total			24654318
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%		45610
9	Insurance	1.00%		246543
10	Turnkey Charges	0.00%		0
	Total			24946472
8	Civil Works As per Sheet 'C'	No.	1	11346966
	Total Cost of Estimate			36293438

Particulars	DPR Amount	Tender/ Estimate Amount
		75.37%
Cost with overheads on Material	35224472	24946567
Civil Works As per Sheet 'C'	15402372	11346966
Total Cost of the Estimate	50626843	36293533

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for Earthing Work at 1x 5 MVA & 1x 10 MVA 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	298186.00

Sheet No.2

Cost data of Structure for 33 KV CT & PT at 1x5 MVA & 1x10 MVA 33/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet No :

3

Cost data for Take off structure for 11 KV Feeders 3 outlets at 1x 10 MVA,33/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
8	Strain Hardware for AAAC232 sq.mm.	Nos.	36	693.00	24948.00
9	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
10	Earthing Sets H.T	Sets	3	462.00	1386.00
11	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
12	AAAC 232 mm2	Rmt.	150	162.00	24300.00
13	AAAC 100 mm2	Rmt.	150	70.00	10500.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	G.I.Nut Bolts	Kg.	50	112.00	5600.00
15	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
16	Wedge Connectors				
a)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	18	3855.00	69390.00
b)	DOG TO DOG or equivalent AAAC	Nos.	18	642.00	11556.00
19	Miscellaneous material	LS	1	518.00	518.00
				Total:	434623.00

Sheet No.

4

Cost data for Clamps & Connectors at 1x5 MVA & 1x10 MVA 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 33 KV Isolator	Nos.	36	1141.00	41076.00
3	Clamps for 33 KV Isolator	Nos.	42	1141.00	47922.00
4	Connectors for T/F Bushing	Nos.	12	4350.00	52200.00
5	Clamps for 33 KV C.T.	Nos.	12	1668.00	20016.00
6	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
7	Clamps for 33 KV V.C.B.	Nos.	12	2415.00	28980.00
				Total:	330108.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No-
5

Cost data for structure of 11 kV Main Bus at 1x5 MVA & 1x10 MVA 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 125x70, 8 m long	Nos.	8	6322.00	50576.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
7	Strain Hardware for AAAC232 sq.mm.	Nos.	36	693.00	24948.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 232 mm ²	Rmt.	150	162.00	24300.00
12	AAAC 100 mm ²	Rmt.	150	70.00	10500.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	G.I.Nut Bolts	Kg.	50	112.00	5600.00
15	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
	Wedge Connectors				
a)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	12	3855.00	46260.00
b)	DOG TO DOG or equivalent AAAC	Nos.	12	642.00	7704.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	348333.00

Sheet No.6

Cost data for Yard Lighting of 2X 5 MVA 1x5 MVA & 1x10 MVA 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt.	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cum	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	178380.00

Sheet No.7

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 1x5 MVA & 1x10 MVA 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
7	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
8	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
9	11 kV Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
10	L.T.XLPE Armoured 3.5 Core cable 120 sq.mm.	Rmt.	10	453.00	4530.00
11	L.T.XLPE Armoured 3.5 Core cable 70 sq.mm.	Rmt.	50	275.00	13750.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	274033.40

Sheet No.8

Cost data for Control cable 1x5 MVA & 1x10 MVA 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C Cost data for civil works for 33/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A)	347011.5
2	Control room (As per table B) outdoor	3066043.5
3	Store room of size 8.0m X 6.0 m (As per table C)	965146.6
4	Sanitary Water supply	0
5	Electrification (Lumsum)	142595.2425
6	WBM Road (As per table D)	583925
7	Chain link fencing and Bar bed wire fencing (As per table E)	2023680.78
8	Metal Spreading (As per table F)	202203.5
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (1+3 Bay) + Stn Trans. (As table G) Outdoor	1002132.05
10	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	880247.6
11	10 MVA Power Transformer Plinth Foundation (as per table G2)	0
12	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Outdoor	36873.85
13	Water Supply arrangement for C/Room and Switch Yard.(As per table H)	76609
14	Borewell including pumpset and allied accessories. (As per table I)	114783
15	Const.of cable trench with covers in S/Yard. (As per table J)	402997.58
16	Construction of retaining wall. (As per table K)	1045707
17	Rain Water Harvesting (As per Table L)	82661.7992
18	Culvert (As per Table N) If required	202988
	Civil Works for NFIPS System	171360
	Total=	11346966.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0101B

Cost data for 33/22 kV 1 X 5 MVA New S/S(Outdoor)

Sr.No	Description	Unit	Qty.	Rate	Amount
A	33 KV SIDE				
1	33 KV Lightning Arrestors (Station type)	Set	2.00	15253.00	30506.00
2	33 KV Isolators with EB (800 A)	Set	1.00	69539.00	69539.00
3	33 KV Isolators without EB (800 Amp.)	Set	3.00	63643.00	190929.00
4	33 KV Post Insulator	No	3.00	631.00	1893.00
5	Disc Insulator 11 KV 70 KN	No	18.00	326.00	5868.00
6	AAAC 232 mm2	Rmt	200.00	162.00	32400.00
7	Strain Hardware for AAAC232 sq.mm.	Set	6.00	693.00	4158.00
8	Power Transformer 33/22 KV 5 MVA	No	1.00	4762454.00	4762454.00
9	33 KV P.T.	No	3.00	24916.00	74748.00
10	33 kv C. T. (400-200/1-1-1)	No	3.00	33015.00	99045.00
11	33 KV VCB complete 1600 Amp (O.D.)	No	1.00	247885.00	247885.00
12	C&R panel for 33 KV Transformer with Diff. Protection	Set	1.00	78541.00	78541.00
13	Control C&R Panel 22 KV for feeder with accessories.	Set	1	95551.00	95551.00
14	33 kv Pin Insulators with G.I. Pins	No	6.00	486.00	2916.00
15	G.I.Nut Bolts	Kg	150.00	112.00	16800.00
16	Marshalling Box	No	2.00	5783.00	11566.00
17	Gantry Structure/Steel section for 33 KV Bus as per Table No.1	Nos	1.00	164080.35	164080.35
18	Earthing complete as per Table No.2	Set	1.00	527606.00	527606.00
19	Structure for 33 KV CT & PT as per Table No.3	No	1.00	64960.00	64960.00
B	22 KV SIDE				
20	22 kv 500 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Islators, C.T. & P.T. etc.	Set	1.00	1633045.00	1633045.00
21	22 KV Lightning Arrestors (Station type)	Set	1.00	13866.00	13866.00
22	22 kv Pin Insulators with G.I. Pins	No	12.00	406.00	4872.00
23	AC Distribution Board 'B' type	No	1.00	24325.00	24325.00
24	Battery set 30 Volt, 100 AH with Battery charger	Set	1.00	82800.00	82800.00
25	Take off structure for 3 outgoing feeder as per Table No.4	No.	1.00	381238.00	381238.00
26	Clamps and Connectors as per TableNo.5	No.	1.00	217896.00	217896.00
27	Structure for 22 KV Main Bus as per Table No.6	No.	1.00	310015.00	310015.00
28	S/S Yard lighting as per Table No.7	No.	1.00	178380.00	178380.00
29	22/0.43 KV x 100 KVA station Transformer as per Table No.8.	No.	1.00	428276.40	428276.40
30	Control cables for S/S as per Table No.9	No.	1.00	241283.00	241283.00

Cost of material

9997441.75

1	Erection cost on material	5.00%	499872
2	Contractor supervision charges on material	5.00%	499872
	Sub-Total		10997186
3	Contractor's Profit	5.00%	549859
	Sub-Total		11547045
4	Transportation on material	4.00%	399898
5	T&P on material cost	1.00%	99974
6	Contingencies on material	2.00%	199949
	Service Cost		24793656
	Sub-Total		12246866
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	24494
	Sub-Total		12271360
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	22702
9	Insurance	1.00%	122714
10	Turnkey Charges	0.00%	0
	Total		12416775
9	Civil Works As per Sheet 'C'	No.	1
	Total Cost of Estimate		10258485
			22675260

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	17532514	12416823
Civil Works As per Sheet 'C'	13924867	10258485
Total Cost of the Estimate	31457381	22675307

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for 33 KV Gantry M.S. Structure/Steel Section for 1x5 MVA 33/22 kv S/S (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(4 Nos.)-496.0 kg.	MT	1.984	65475.00	129902.40
2	Beam type HA(2 Nos.)-261.0 Kg.	MT	0.522	65475.00	34177.95
Total:					164080.35

Sheet No.2

Cost data for Earthing Work at 1x 5 MVA at 33/22 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	2500	65.00	162500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	44	7355.00	323620.00
3	Coal	Kg.	1400	17.00	23800.00
4	Salt	Kg.	1400	12.00	16800.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
Total:					527606.00

Sheet No.3

Cost data of Structure for 33 KV CT & PT at 1 x 5 MVA, 33/22 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
Total:					64960.00

Sheet No :

4

Cost data for Take off structure for 22 KV Feeders 3 outlets at 1x 5 MVA,33/22KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	22KV A.B.Switch, 400 A	Nos.	3	18203.00	54609.00
6	Disc Insulator 11 KV 70 KN	Nos.	72	326.00	23472.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	12	370.00	4440.00
8	22 kV Pin Insulators with G.I. Pins	Nos.	9	406.00	3654.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	22 KV Lightning Arrestors (Screw type)	Sets	3	9853.00	29559.00
11	AAAC 100 mm2	Rmt.	150	70.00	10500.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	18	642.00	11556.00
b)	T-Connector for 100 sq mm conductor	Nos.	18	843.00	15174.00
16	Miscellaneous material	LS	1	518.00	518.00
Total:					381238.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.
5

Cost data for Clamps & Connectors at 1 x 5 MVA, 33/22 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 33 KV Isolator	Nos.	24	1141.00	27384.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 33 KV C.T.	Nos.	6	1668.00	10008.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	6	2415.00	14490.00
		Total:			217896.00

Sheet No-6

Cost data for structure of 22 kV Main Bus at 1 X 5 MVA,33/22 kV Sub-Station

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	72	326.00	23472.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	12	370.00	4440.00
7	22 kV Pin Insulators with G.I. Pins	Nos.	9	406.00	3654.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	22 KV Lightning Arrestors (Screw type)	Sets	3	9853.00	29559.00
10	AAAC 100 mm2	Rmt.	150	70.00	10500.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	T-Connector for 100 sq mm conductor	Nos.	12	843.00	10116.00
15	Miscellaneous material	LS	1	518.00	518.00
		Total:			310015.00

Sheet No.7

Cost data for Yard Lighting of 1 X 5 MVA, 33/22 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cmt	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
		Total:			178380.00

Sheet No.8

Cost data for 100 KVA, 22/0.43 KV Station Transformer for 1 x 5 MVA, 33/22 KV S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist.transformer 100kva,22/0.4kv	No.	1	278273.00	278273.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	22KV A.B.Switch, 400 A	Set	1	18203.00	18203.00
7	22KV H.G.Fuses	Nos.	1	5628.00	5628.00
8	22 KV Lightning Arrestors (Screw type)	Set	1	9853.00	9853.00
9	22 kV Pin Insulators with G.I. Pins	Nos.	6	406.00	2436.00
10	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt.	10	453.00	4530.00
11	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	50	275.00	13750.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	428276.40

Sheet No.9

Cost data for Control cable 1 X 5 MVA, 33/22KV S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C Cost data for civil works for 33/22 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A)	347011.5
2	Control room (As per table B) outdoor	3066043.5
3	Store room of size 8.0m X 6.0 m (As per table C)	965146.6
4	Sanitary Water supply	0
5	Electrification (Lumsum)	142595.2425
6	WBM Road (As per table D)	583925
7	Chain link fencing and Bar bed wire fencing (As per table E)	2023680.78
8	Metal Spreading (As per table F)	202203.5
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (1+3 Bay) + Stn Trans. (As table G) Outdoor	1002132.05
10	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	0
11	10 MVA Power Transformer Plinth Foundation (as per table G2)	0
12	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Outdoor	0
13	Water Supply arrangement for C/Room and Switch Yard.(As per table H)	76609
14	Borewell including pumpset and allied accessories. (As per table I)	114783.00
15	Const.of cable trench with covers in S/Yard. (As per table J)	402997.58
16	Construction of retaining wall. (As per table K)	1045707.00
17	Rain Water Harvesting (As per Table L)	82661.80
18	Culvert (As per Table N) If required	202988.00
	Total=	10258484.55

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0102B

Cost data for 33/22 kv 1 X10 MVA New S/S(Outdoor)

Sr.No	Description	Unit	Qty.	Rate	Amount
A	33 KV SIDE				
1	33 KV Lightning Arrestors (Station type)	Set	2.00	15253.00	30506.00
2	33 KV Isolators with EB (800 A)	Set	1.00	69539.00	69539.00
3	33 KV Isolators without EB (800 Amp.)	Set	3.00	63643.00	190929.00
4	33 KV Post Insulator	No	3.00	631.00	1893.00
5	Disc Insulator 11 KV 70 KN	No	18.00	326.00	5868.00
6	AAAC 232 mm2	Rmt	200.00	162.00	32400.00
7	Strain Hardware for AAAC232 sq.mm.	Set	6.00	693.00	4158.00
8	Power Transformer 33/22 KV 10 MVA	No	1.00	8659295.00	8659295.00
9	33 KV P.T.	No	3.00	24916.00	74748.00
10	33 kv C. T. (400-200/1-1-1)	No	3.00	33015.00	99045.00
11	33 KV VCB complete 1600 Amp (O.D.)	No	1.00	247885.00	247885.00
12	C&R panel for 33 KV Transformer with Diff. Protection	Set	1.00	78541.00	78541.00
13	33 kv Pin Insulators with G.I. Pins	No	6.00	486.00	2916.00
14	G.I.Nut Bolts	Kg	150.00	112.00	16800.00
15	Marshalling Box	No	2.00	5783.00	11566.00
16	Gantry Structure/Steel section for 33 KV Bus as per Table No.1	Nos	1.00	164080.35	164080.35
17	Earthing complete as per Table No.2	Set	1.00	527606.00	527606.00
18	Structure for 33 KV CT & PT as per Table No.3	No	1.00	64960.00	64960.00
B	22 KV SIDE				
20	22 kv 500 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Isulators, C.T. & P.T. etc.	Set	1.00	1633045.00	1633045.00
21	22 KV Lightning Arrestors (Station type)	Set	1.00	13866.00	13866.00
22	22 kv Pin Insulators with G.I. Pins	No	12.00	406.00	4872.00
23	22 KV C.T. Three core.	No	3.00	32999.00	98997.00
24	AC Distribution Board 'B' type	No	1.00	24325.00	24325.00
25	Battery set 30 Volt, 100 AH with Battery charger	Set	1.00	82800.00	82800.00
26	Take off structure for 3 outgoing feeder as per Table No.4	No.	1.00	381238.00	381238.00
27	Clamps and Connectors as per TableNo.5	No.	1.00	217896.00	217896.00
28	Structure for 22 KV Main Bus as per Table No.6	No.	1.00	310015.00	310015.00
29	S/S Yard lighting as per Table No.7	No.	1.00	178380.00	178380.00
30	22/0.43 KV x 100 KVA station Transformer as per Table No.8.	No.	1.00	428276.40	428276.40
31	Control cables for S/S as per Table No.9	No.	1.00	241283.00	241283.00

Cost of material

13897728.75

1	Erection cost on material	5.00%	694886
2	Contractor supervision charges on material	5.00%	694886
	Sub-Total		15287502
3	Contractor's Profit	5.00%	764375
	Sub-Total		16051877
4	Transportation on material	4.00%	555909
5	T&P on material cost	1.00%	138977
6	Contingencies on material	2.00%	277955
	Service Cost		34466367
	Sub-Total		17024718
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	34049
	Sub-Total		17058767
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	31559
9	Insurance	1.00%	170588
10	Turnkey Charges	0.00%	0
	Total		17260914
9	Civil Works As per Sheet 'C'	No.	10429845
	Total Cost of Estimate		27690758

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	24372447	17260979
Civil Works As per Sheet 'C'	14157471	10429845
Total Cost of the Estimate	38529918	27690824

Sheet No.1

Cost data for 33 KV Gantry M.S. Structure/Steel Section for 1x10 MVA 33/22 kv S/S (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(4 Nos.)-496.0 kg.	MT	1.984	65475.00	129902.40
2	Beam type HA(2 Nos.)-261.0 Kg.	MT	0.522	65475.00	34177.95
				Total:	164080.35

Sheet No.2

Cost data for Earthing Work at 1x 10 MVA at 33/22 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	2500	65.00	162500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	44	7355.00	323620.00
3	Coal	Kg.	1400	17.00	23800.00
4	Salt	Kg.	1400	12.00	16800.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	527606.00

Sheet No.3

Cost data of Structure for 33 KV CT & PT at 1 x 10 MVA, 33/22 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet No :

4

Cost data for Take off structure for 22 KV Feeders 3 outlets at 1x10 MVA,33/22KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	22KV A.B.Switch, 400 A	Nos.	3	18203.00	54609.00
6	Disc Insulator 11 KV 70 KN	Nos.	72	326.00	23472.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	12	370.00	4440.00
8	22 kV Pin Insulators with G.I. Pins	Nos.	9	406.00	3654.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	22 KV Lightning Arrestors (Screw type)	Sets	3	9853.00	29559.00
11	AAAC 100 mm2	Rmt.	150	70.00	10500.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	18	642.00	11556.00
b)	T-Connector for 100 sq mm conductor	Nos.	18	843.00	15174.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	381238.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.
5

Cost data for Clamps & Connectors at 1 x10 MVA, 33/22 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 33 KV Isolator	Nos.	24	1141.00	27384.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 33 KV C.T.	Nos.	6	1668.00	10008.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	6	2415.00	14490.00
		Total:			217896.00

Sheet No-6

Cost data for structure of 22 kV Main Bus at 1 X 10 MVA,33/22 kV Sub-Station

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	72	326.00	23472.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	12	370.00	4440.00
7	22 kV Pin Insulators with G.I. Pins	Nos.	9	406.00	3654.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	22 KV Lightning Arrestors (Screw type)	Sets	3	9853.00	29559.00
10	AAAC 100 mm2	Rmt.	150	70.00	10500.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	T-Connector for 100 sq mm conductor	Nos.	12	843.00	10116.00
15	Miscellaneous material	LS	1	518.00	518.00
		Total:			310015.00

Sheet No.7

Cost data for Yard Lighting of 1 X 10 MVA, 33/22 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cmt	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
		Total:			178380.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.8

Cost data for 100 KVA, 22/0.43 KV Station Transformer for 1 x 10 MVA, 33/22 KV S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist.transformer 100kva,22/0.4kv	No.	1	278273.00	278273.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	22KV A.B.Switch, 400 A	Set	1	18203.00	18203.00
7	22KV H.G.Fuses	Nos.	1	5628.00	5628.00
8	22 KV Lightning Arrestors (Screw type)	Set	1	9853.00	9853.00
9	22 kV Pin Insulators with G.I. Pins	Nos.	6	406.00	2436.00
10	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt.	10	453.00	4530.00
11	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	50	275.00	13750.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	428276.40

Sheet No.9

Cost data for Control cable 1 X 10 MVA, 33/22KV S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C Cost data for civil works for 33/22 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A)	347011.5
2	Control room (As per table B) outdoor	3066043.5
3	Store room of size 8.0m X 6.0 m (As per table C)	965146.6
4	Sanitary Water supply	0
5	Electrification (Lumsum)	142595.2425
6	WBM Road (As per table D)	583925
7	Chain link fencing and Bar bed wire fencing (As per table E)	2023680.78
8	Metal Spreading (As per table F)	202203.5
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (1+3 Bay) + Stn Trans. (As table G) Outdoor	1002132.05
10	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	0
11	10 MVA Power Transformer Plinth Foundation (as per table G2)	0
12	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Outdoor	0
13	Water Supply arrangement for C/Room and Switch Yard.(As per table H)	76609.00
14	Borewell including pumpset and allied accessories. (As per table I)	114783.00
15	Const.of cable trench with covers in S/Yard. (As per table J)	402997.58
16	Construction of retaining wall. (As per table K)	1045707.00
17	Rain Water Harvesting (As per Table L)	82661.80
18	Culvert (As per Table N) If required	202988.00
	Civil Works for NFIPS System	171360
	Total=	10429844.55

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0103B

Cost data for 33/22 kV 2 X 5 MVA New S/S(Outdoor)

Sr.No	Description	Unit	Qty.	Rate	Amount
A	33 KV SIDE				
1	33 KV Lightning Arrestors (Station type)	Set	4.00	15253.00	61012.00
2	33 KV Isolators with EB (800 A)	Set	2.00	69539.00	139078.00
3	33 KV Isolators without EB (800 Amp.)	Set	5.00	63643.00	318215.00
4	33 KV Post Insulator	No	6.00	631.00	3786.00
5	Disc Insulator 11 KV 70 KN	No	36.00	326.00	11736.00
6	AAAC 232 mm2	Rmt	200.00	162.00	32400.00
7	Strain Hardware for AAAC232 sq.mm.	Set	12.00	693.00	8316.00
8	Power Transformer 33/22 KV 5 MVA	No	2.00	4762454.00	9524908.00
9	33 KV P.T.	No	3.00	24916.00	74748.00
10	33 kv C. T. (400-200/1-1-1)	No	6.00	33015.00	198090.00
11	33 KV VCB complete 1600 Amp (O.D.)	No	2.00	247885.00	495770.00
12	C&R panel for 33 KV Transformer with Diff. Protection	Set	2.00	78541.00	157082.00
13	Control C&R Panel 22 KV for feeder with accessories.	Set	1	95551.00	95551.00
14	33 kv Pin Insulators with G.I. Pins	No	12.00	486.00	5832.00
15	G.I.Nut Bolts	Kg	150.00	112.00	16800.00
16	Marshalling Box	No	5.00	5783.00	28915.00
17	Gantry Structure/Steel section for 33 KV Bus as per Table No.1	Nos	1.00	263209.50	263209.50
18	Earthing complete as per Table No.2	Set	2.00	298186.00	596372.00
19	Structure for 33 KV CT & PT as per Table No.3	No	2.00	64960.00	129920.00
B	22 KV SIDE				
20	22 kv 500 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Islators, C.T. & P.T. etc.	Set	2.00	1633045.00	3266090.00
21	22 KV Lightning Arrestors (Station type)	Set	2.00	13866.00	27732.00
22	22 kv Pin Insulators with G.I. Pins	No	24.00	406.00	9744.00
23	AC Distribution Board 'B' type	No	1.00	24325.00	24325.00
24	Battery set 30 Volt, 100 AH with Battery charger	Set	1.00	82800.00	82800.00
25	Take off structure for 3 outgoing feeder as per Table No.4	No.	2.00	406224.00	812448.00
26	Clamps and Connectors as per TableNo.5	No.	1.00	289032.00	289032.00
27	Structure for 22 KV Main Bus as per Table No.6	No.	2.00	310015.00	620030.00
28	S/S Yard lighting as per Table No.7	No.	1.00	178380.00	178380.00
29	22/0.43 KV x 100 KVA station Transformer as per Table No.8.	No.	1.00	428276.40	428276.40
30	Control cables for S/S as per Table No.9	No.	2.00	241283.00	482566.00

D **Cost of material** **18383163.90**

1	Erection cost on material	5.00%	919158
2	Contractor supervision charges on material	5.00%	919158
	Sub-Total		20221480
3	Contractor's Profit	5.00%	1011074
	Sub-Total		21232554
4	Transportation on material	4.00%	735327
5	T&P on material cost	1.00%	183832
6	Contingencies on material	2.00%	367663
	Service Cost		45590246
	Sub-Total		22519376
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	45039
	Sub-Total		22564415
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	41744
9	Insurance	1.00%	225644
10	Turnkey Charges	0.00%	0
	Total		22831803
9	Civil Works As per Sheet 'C'	No.	1
	Total Cost of Estimate		33970535

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	32238555	22831890
Civil Works As per Sheet 'C'	15119715	11138732
Total Cost of the Estimate	47358270	33970622

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for 33 KV Gantry M.S. Structure/Steel Section for 2x5 MVA 33/22 kv S/S (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(6Nos.)-496.0 kg.	MT	2.976	65475.00	194853.60
2	Beam type HA(4 Nos.)-261.0 Kg.	MT	1.044	65475.00	68355.90
				Total:	263209.50

Sheet No.2

Cost data for Earthing Work at 2x 5 MVA at 33/22 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	298186.00

Sheet No.3

Cost data of Structure for 33 KV CT & PT at 2x 5 MVA, 33/22 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet No :
4

Cost data for Take off structure for 22 KV Feeders 3 outlets at 2x5 MVA,33/22KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	8	12493.00	99944.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	22KV A.B.Switch, 400 A	Nos.	3	18203.00	54609.00
6	Disc Insulator 11 KV 70 KN	Nos.	72	326.00	23472.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	12	370.00	4440.00
8	22 kV Pin Insulators with G.I. Pins	Nos.	9	406.00	3654.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	22 KV Lightning Arrestors (Screw type)	Sets	3	9853.00	29559.00
11	AAAC 100 mm2	Rmt.	150	70.00	10500.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	18	642.00	11556.00
b)	T-Connector for 100 sq mm conductor	Nos.	18	843.00	15174.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	406224.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.

5

Cost data for Clamps & Connectors at 2x5 MVA, 33/22 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 33 KV Isolator	Nos.	42	1141.00	47922.00
3	Connectors for T/F Bushing	Nos.	12	4350.00	52200.00
4	Clamps for 33 KV C.T.	Nos.	12	1668.00	20016.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	12	2415.00	28980.00
		Total:			289032.00

Sheet No-6

Cost data for structure of 22 kV Main Bus at 2 X 5 MVA,33/22 kV Sub-Station

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	72	326.00	23472.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	12	370.00	4440.00
7	22 kV Pin Insulators with G.I. Pins	Nos.	9	406.00	3654.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	22 KV Lightning Arrestors (Screw type)	Sets	3	9853.00	29559.00
10	AAAC 100 mm2	Rmt.	150	70.00	10500.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	T-Connector for 100 sq mm conductor	Nos.	12	843.00	10116.00
15	Miscellaneous material	LS	1	518.00	518.00
		Total:			310015.00

Sheet No.7

Cost data for Yard Lighting of 2X 5 MVA, 33/22 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cmt	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
		Total:			178380.00

Sheet No.8

Cost data for 100 KVA, 22/0.43 KV Station Transformer for 2x5 MVA, 33/22 KV S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist.transformer 100kva,22/0.4kv	No.	1	278273.00	278273.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	22KV A.B.Switch, 400 A	Set	1	18203.00	18203.00
7	22KV H.G.Fuses	Nos.	1	5628.00	5628.00
8	22 KV Lightning Arrestors (Screw type)	Set	1	9853.00	9853.00
9	22 kV Pin Insulators with G.I. Pins	Nos.	6	406.00	2436.00
10	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt.	10	453.00	4530.00
11	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	50	275.00	13750.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	428276.40

Sheet No.9

Cost data for Control cable 2 X 5 MVA, 33/22KV S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C Cost data for civil works for 33/22 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A)	347011.5
2	Control room (As per table B) outdoor	3066043.5
3	Store room of size 8.0m X 6.0 m (As per table C)	965146.6
4	Sanitary Water supply	0
5	Electrification (Lumsum)	142595.2425
6	WBM Road (As per table D)	583925
7	Chain link fencing and Bar bed wire fencing (As per table E)	2023680.78
8	Metal Spreading (As per table F)	202203.5
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (1+3 Bay) + Stn Trans. (As table G) Outdoor	1002132.05
10	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	880247.6
11	10 MVA Power Transformer Plinth Foundation (as per table G2)	0
12	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Outdoor	0
13	Water Supply arrangement for C/Room and Switch Yard.(As per table H)	76609
14	Borewell including pumpset and allied accessories. (As per table I)	114783
15	Const.of cable trench with covers in S/Yard. (As per table J)	402997.58
16	Construction of retaining wall. (As per table K)	1045707
17	Rain Water Harvesting (As per Table L)	82661.7992
18	Culvert (As per Table N) If required	202988
	Total=	11138732.15

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0104B

Cost data for 33/22 kV 2 X 10 MVA New S/S(Outdoor)

Sr.No	Description	Unit	Qty.	Rate	Amount
A	33 KV SIDE				
1	33 KV Lightning Arrestors (Station type)	Set	4.00	15253.00	61012.00
2	33 KV Isolators with EB (800 A)	Set	2.00	69539.00	139078.00
3	33 KV Isolators without EB (800 Amp.)	Set	5.00	63643.00	318215.00
4	33 KV Post Insulator	No	6.00	631.00	3786.00
5	Disc Insulator 11 KV 70 KN	No	36.00	326.00	11736.00
6	AAAC 232 mm2	Rmt	200.00	162.00	32400.00
7	Strain Hardware for AAAC232 sq.mm.	Set	12.00	693.00	8316.00
8	Power Transformer 33/22 KV 10 MVA	No	2.00	8659295.00	17318590.00
9	33 KV P.T.	No	3.00	24916.00	74748.00
10	33 kv C. T. (400-200/1-1-1)	No	6.00	33015.00	198090.00
11	33 KV VCB complete 1600 Amp (O.D.)	No	2.00	247885.00	495770.00
12	C&R panel for 33 KV Transformer with Diff. Protection	Set	2.00	78541.00	157082.00
13	Control C&R Panel 22 KV for feeder with accessories.	Set	1	95551.00	95551.00
14	33 kv Pin Insulators with G.I. Pins	No	12.00	486.00	5832.00
15	G.I.Nut Bolts	Kg	150.00	112.00	16800.00
16	Marshalling Box	No	5.00	5783.00	28915.00
17	Gantry Structure/Steel section for 33 KV Bus as per Table No.1	Nos	1.00	263209.50	263209.50
18	Earthing complete as per Table No.2	Set	2.00	298186.00	596372.00
19	Structure for 33 KV CT & PT as per Table No.3	No	2.00	64960.00	129920.00
B	22 KV SIDE				
20	22 kv 500 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Isulators, C.T. & P.T. etc.	Set	2.00	1633045.00	3266090.00
21	22 KV Lightning Arrestors (Station type)	Set	2.00	13866.00	27732.00
22	22 kv Pin Insulators with G.I. Pins	No	24.00	406.00	9744.00
23	AC Distribution Board 'B' type	No	1.00	24325.00	24325.00
24	Battery set 30 Volt, 100 AH with Battery charger	Set	1.00	82800.00	82800.00
25	Take off structure for 3 outgoing feeder as per Table No.4	No.	2.00	406224.00	812448.00
26	Clamps and Connectors as per TableNo.5	No.	1.00	289032.00	289032.00
27	Structure for 22 KV Main Bus as per Table No.6	No.	2.00	310015.00	620030.00
28	S/S Yard lighting as per Table No.7	No.	1.00	178380.00	178380.00
29	22/0.43 KV x 100 KVA station Transformer as per Table No.8.	No.	1.00	428276.40	428276.40
30	Control cables for S/S as per Table No.9	No.	2.00	241283.00	482566.00

D	Cost of material			26176845.90
1	Erection cost on material	5.00%		1308842
2	Contractor supervision charges on material	5.00%		1308842
	Sub-Total			28794530
3	Contractor's Profit	5.00%		1439727
	Sub-Total			30234257
4	Transportation on material	4.00%		1047074
5	T&P on material cost	1.00%		261768
6	Contigencies on material	2.00%		523537
	Service Cost			64918578
	Sub-Total			32066636
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%		64133
	Sub-Total			32130769
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%		59442
9	Insurance	1.00%		321308
10	Turnkey Charges	0.00%		0
	Total			32511519
9	Civil Works As per Sheet 'C'	No.	1	11518326
	Total Cost of Estimate			44029845

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	45906335	32511643
Civil Works As per Sheet 'C'	15634976	11518326
Total Cost of the Estimate	61541310	44029969

Sheet No.1

Cost data for 33 KV Gantry M.S. Structure/Steel Section for 2x10 MVA 33/22 kv S/S (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(6Nos.)-496.0 kg.	MT	2.976	65475.00	194853.60
2	Beam type HA(4 Nos.)-261.0 Kg.	MT	1.044	65475.00	68355.90
Total:					263209.50

Sheet No.2

Cost data for Earthing Work at 2x 10 MVA at 33/22 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
Total:					298186.00

Sheet No.3

Cost data of Structure for 33 KV CT & PT at 2x 10 MVA, 33/22 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
Total:					64960.00

Sheet No :

4

Cost data for Take off structure for 22 KV Feeders 3 outlets at 2x 10 MVA,33/22KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	8	12493.00	99944.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	22KV A.B.Switch, 400 A	Nos.	3	18203.00	54609.00
6	Disc Insulator 11 KV 70 KN	Nos.	72	326.00	23472.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	12	370.00	4440.00
8	22 kV Pin Insulators with G.I. Pins	Nos.	9	406.00	3654.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	22 KV Lightning Arrestors (Screw type)	Sets	3	9853.00	29559.00
11	AAAC 100 mm2	Rmt.	150	70.00	10500.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	18	642.00	11556.00
b)	T-Connector for 100 sq mm conductor	Nos.	18	843.00	15174.00
16	Miscellaneous material	LS	1	518.00	518.00
Total:					406224.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.

5

Cost data for Clamps & Connectors at 2x 10 MVA, 33/22 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 33 KV Isolator	Nos.	42	1141.00	47922.00
3	Connectors for T/F Bushing	Nos.	12	4350.00	52200.00
4	Clamps for 33 KV C.T.	Nos.	12	1668.00	20016.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	12	2415.00	28980.00
		Total:			289032.00

Sheet No-6

Cost data for structure of 22 kV Main Bus at 2 X 10 MVA,33/22 kV Sub-Station

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	72	326.00	23472.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	12	370.00	4440.00
7	22 kV Pin Insulators with G.I. Pins	Nos.	9	406.00	3654.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	22 KV Lightning Arrestors (Screw type)	Sets	3	9853.00	29559.00
10	AAAC 100 mm2	Rmt.	150	70.00	10500.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	T-Connector for 100 sq mm conductor	Nos.	12	843.00	10116.00
15	Miscellaneous material	LS	1	518.00	518.00
		Total:			310015.00

Sheet No.7

Cost data for Yard Lighting of 2X 10 MVA, 33/22 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cmt	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
		Total:			178380.00

Sheet No.8

Cost data for 100 KVA, 22/0.43 KV Station Transformer for 2x 10 MVA, 33/22 KV S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist.transformer 100kva,22/0.4kv	No.	1	278273.00	278273.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	22KV A.B.Switch, 400 A	Set	1	18203.00	18203.00
7	22KV H.G.Fuses	Nos.	1	5628.00	5628.00
8	22 KV Lightning Arrestors (Screw type)	Set	1	9853.00	9853.00
9	22 kV Pin Insulators with G.I. Pins	Nos.	6	406.00	2436.00
10	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt.	10	453.00	4530.00
11	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	50	275.00	13750.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	428276.40

Sheet No.9

Cost data for Control cable 2 X 10 MVA, 33/22KV S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C Cost data for civil works for 33/22 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A)	347011.5
2	Control room (As per table B) outdoor	3066043.5
3	Store room of size 8.0m X 6.0 m (As per table C)	965146.6
4	Sanitary Water supply	0
5	Electrification (Lumsum)	142595.2425
6	WBM Road (As per table D)	583925
7	Chain link fencing and Bar bed wire fencing (As per table E)	2023680.78
8	Metal Spreading (As per table F)	202203.5
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (1+3 Bay) + Stn Trans. (As table G) Outdoor	1002132.05
10	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	880247.6
11	10 MVA Power Transformer Plinth Foundation (as per table G2)	0
12	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Outdoor	36873.85
13	Water Supply arrangement for C/Room and Switch Yard.(As per table H)	76609
14	Borewell including pumpset and allied accessories. (As per table I)	114783
15	Const.of cable trench with covers in S/Yard. (As per table J)	402997.58
16	Construction of retaining wall. (As per table K)	1045707
17	Rain Water Harvesting (As per Table L)	82661.7992
18	Culvert (As per Table N) If required	202988
	Civil Works for NFIPS System (2 PTF)	342720
	Total=	11518326

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.0101C

Cost data for 33/11 kV 1 X 5 MVA New S/S33 kV Outdoor & 11 kV Indoor

Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33 KV SIDE				
1	33 KV Lightning Arrestors (Station type)	Set	2	15253.00	30506.00
2	33 KV Isolators with EB (800 A)	Set	1	69539.00	69539.00
3	33 KV Isolators without EB (800 Amp.)	Set	3	63643.00	190929.00
4	33 KV Post Insulator	Nos	3	631.00	1893.00
5	Disc Insulator 11 KV 70 KN	Nos	18	326.00	5868.00
6	AAAC 232 mm2	MTR	200	162.00	32400.00
7	Strain Hardware for AAAC232 sq.mm.	Nos	6	693.00	4158.00
8	Earthing complete as per Sheet no.2	Set	1	337963.00	337963.00
9	Power Transformer 33/11 KV, 5 MVA	No	1	4525010.00	4525010.00
10	33 KV P.T.	Nos	3	24916.00	74748.00
11	33 kV C. T. (400-200/1-1-1)	Nos	3	33015.00	99045.00
12	33 KV VCB complete 1600 Amp (O.D.)	Set	1	247885.00	247885.00
13	C&R panel for 33 KV Transformer with 1 Amp. Relay	No	1	71641.00	71641.00
14	33 kV Pin Insulators with G.I. Pins	Nos	6	486.00	2916.00
15	Structure for 33 KV CT & PT as per Sheet no.3	No	1	64960.00	64960.00
16	G.I.Nut Bolts	KG	150	112.00	16800.00
17	Gantry Structure/Steel section for 33 KV Bus as per Table No.1	Nos	1.00	164080.35	164080.35
18	Marshalling Box	No.	1	5783.00	5783.00
B	11 KV SIDE				
19	11kV I D switchgear (1 I/c+1 B/c+4O/G)	Set	1	2154320.00	2154320.00
20	XLPE Cable 11 KV, 3 C / 300 mm sq.	MTR	300	1498.00	449400.00
21	11 kV heat shrinkable Indoor termination joint kit for 3 C X 300 sqmm	No.	4	1728.00	6912.00
22	Clamps and Connectors as per Sheet no.4	No.	1	314286.00	314286.00
23	S/S Yard lighting as per Sheet no.5	No.	1	172312.00	172312.00
24	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
25	11/0.43 KV x 100 KVA station Transformer as per Sheet no.6	No.	1	270516.40	270516.40
26	Control cables for S/S as per Sheet no.7	No.	1	119963.00	119963.00
27	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

D Cost of material 9540958.75

1	Erection cost on material	5.00%	477048
2	Contractor supervision charges on material	5.00%	477048
	Sub-Total		10495055
3	Contractor's Profit	5.00%	524753
	Sub-Total		11019807
4	Transportation on material	4.00%	381638
5	T&P on material cost	1.00%	95410
6	Contingencies on material	2.00%	190819
	Service Cost		23661578
	Sub-Total		11687674
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	23375
	Sub-Total		11711050
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	21665
9	Insurance	1.00%	117110
10	Turnkey Charges	0.00%	0
	Total		11849826

9 Civil Works As per Sheet 'C' No. 1 7834253
Total Cost of Estimate 19684078

Particulars	DPR Amount	Tender/ Estimate Amount
		75.37%
Cost with overheads on Material	16731979	11849871
Civil Works As per Sheet 'C'	10634214	7834253
Total Cost of the Estimate	27366194	19684123

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for 33 KV Gantry M.S. Structure/Steel Section for 1x5 MVA 33/11 kv S/S (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(4 Nos.)-496.0 kg.	MT	1.984	65475.00	129902.40
2	Beam type HA(2 Nos.)-261.0 Kg.	MT	0.522	65475.00	34177.95
				Total:	164080.35

Sheet No.2

Cost data for Earthing Work at 1x 5 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	G.I..Flat 50 x 6 mm	Kg.	1500	90.00	135000.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries such as N/B, Washers, Welding etc.	L.S.	1	3163.00	3163.00
				Total:	337963.00

Sheet No.3

Cost data of Structure for 33 KV CT & PT at 1x5 MVA, 33/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet No.4

Cost data for Clamps & Connectors at 1x5 MVA, 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	T-Connector for 200 sq mm conductor(Compression type)	Nos.	60	3855.00	231300.00
2	Clamps for 33 KV Isolator	Nos.	24	1141.00	27384.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 33 KV C.T.	Nos.	6	1668.00	10008.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	6	2415.00	14490.00
				Total:	314286.00

Sheet No.5

Cost data for Yard Lighting of 1X 5 MVA, 33/11 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	7	4328.00	30296.00
6	Red Bricks	No.	1000	8.00	8000.00
7	Sand	Cum	6	280.00	1680.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	172312.00

Sheet No.6

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 1x 5 MVA, 33/11 S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	G.I.Channel 100x50x6mm	Kg.	290	95.00	27550.00
2	G.I.Channel 75x40x6mm	Kg.	15	95.00	1425.00
3	G.I Flat 75x10 mm	Kg.	20	90.00	1800.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
7	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
8	11 kv Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
9	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt.	10	453.00	4530.00
10	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	50	275.00	13750.00
11	Earthing Sets H.T	Nos.	3	462.00	1386.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	Coal	Kg.	200	17.00	3400.00
14	Salt	Kg.	200	12.00	2400.00
15	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
16	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
17	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	270516.40

Sheet No.7

Cost data for Control cable 1 X 5 MVA, 33/11KV S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	125	474.00	59250.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	130	309.00	40170.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	55	125.00	6875.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	50	79.00	3950.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	100	92.00	9200.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	119963.00

C

Cost data for civil works for 33/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A) Hybrid	221065
2	Control room (As per table B) Hybrid	4190851.4
3	Store room of size 8.0m X 6.0 m (As per table C) Hybrid	0
4	Sanitary Water supply	0
5	Electrification (Lumsum)	142595.2425
6	WBM Road (As per table D) Hybrid	338243
7	Chain link fencing and Bar bed wire fencing (As per table E) Hybrid	728624
8	Metal Spreading (As per table F) Hybrid	141360
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.8
10	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	0
11	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Hybrid / Indoor / GIS	0
12	Water Supply arrangement for C/Room and Switch Yard.(As per table H) Hybrid	71663.00
13	Borewell including pumpset and allied accessories. (As per table I) Hybrid	114766.09
14	Const.of cable trench with covers in S/Yard. (As per table J) Hybrid	234838.00
15	Construction of retaining wall. (As per table K) Hybrid	786241.75
16	Rain Water Harvesting (As per Table L) Indoor	83020.30
17	Culvert (As per Table N) Indoor if required	197715.00
	Total=	7834252.582

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.0102C

Cost data for 33/11 kV 1 X 10 MVA New S/S33 kV Outdoor & 11 kV Indoor

Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33 KV SIDE				
1	33 KV Lightning Arrestors (Station type)	Set	2	15253.00	30506.00
2	33 KV Isolators with EB (800 A)	Set	1	69539.00	69539.00
3	33 KV Isolators without EB (800 Amp.)	Set	3	63643.00	190929.00
4	33 KV Post Insulator	Nos	3	631.00	1893.00
5	Disc Insulator 11 KV 70 KN	Nos	18	326.00	5868.00
6	AAAC 232 mm2	MTR	200	162.00	32400.00
7	Strain Hardware for AAAC232 sq.mm.	Nos	6	693.00	4158.00
8	Earthing complete as per Sheet no.2	Set	1	337963.00	337963.00
9	Power Transformer 33/11 KV, 10 MVA	No	1	8098196.00	8098196.00
10	33 KV P.T.	Nos	3	24916.00	74748.00
11	33 kV C. T. (400-200/1-1-1)	Nos	3	33015.00	99045.00
12	33 KV VCB complete 1600 Amp (O.D.)	Set	1	247885.00	247885.00
13	C&R panel for 33 KV Transformer with 1 Amp. Relay	No	1	71641.00	71641.00
14	33 kV Pin Insulators with G.I. Pins	Nos	6	486.00	2916.00
15	Structure for 33 KV CT & PT as per Sheet no.3	No	1	64960.00	64960.00
16	G.I.Nut Bolts	KG	150	112.00	16800.00
17	Gantry Structure/Steel section for 33 KV Bus as per Table No.1	Nos	1.00	164080.35	164080.35
18	Marshalling Box	No.	1	5783.00	5783.00
B	11 KV SIDE				
19	11kV I D switchgear (1 I/c+1 B/c+4O/G)	Set	1	2154320.00	2154320.00
20	XLPE Cable 11 KV, 3 C / 300 mm sq.	MTR	300	1498.00	449400.00
21	11 kV heat shrinkable Indoor termination joint kit for 3 C X 300 sqmm	No.	4	1728.00	6912.00
22	Clamps and Connectors as per Sheet no.4	No.	1	449196.00	449196.00
23	S/S Yard lighting as per Sheet no.5	No.	1	172312.00	172312.00
24	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
25	11/0.43 KV x 100 KVA station Transformer as per Sheet no.6	No.	1	270516.40	270516.40
26	Control cables for S/S as per Sheet no.7	No.	1	119963.00	119963.00
27	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

D Cost of material 13249054.75

1	Erection cost on material	5.00%	662453
2	Contractor supervision charges on material	5.00%	662453
	Sub-Total		14573960
3	Contractor's Profit	5.00%	728698
	Sub-Total		15302658
4	Transportation on material	4.00%	529962
5	T&P on material cost	1.00%	132491
6	Contingencies on material	2.00%	264981
	Service Cost		32857656
	Sub-Total		16230092
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	32460
	Sub-Total		16262552
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	30086
9	Insurance	1.00%	162626
10	Turnkey Charges	0.00%	0
	Total		16455263
9	Civil Works As per Sheet 'C'	No.	1
	Total Cost of Estimate		24460876

Particulars	DPR Amount	Tender/ Estimate Amount
		75.37%
Cost with overheads on Material	23234867	16455326
Civil Works As per Sheet 'C'	10866819	8005613
Total Cost of the Estimate	34101686	24460939

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for 33 KV Gantry M.S. Structure/Steel Section for 1x10 MVA 33/11 kv S/S (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(4 Nos.)-496.0 kg.	MT	1.984	65475.00	129902.40
2	Beam type HA(2 Nos.)-261.0 Kg.	MT	0.522	65475.00	34177.95
				Total:	164080.35

Sheet No.2

Cost data for Earthing Work at 1x 5 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	G.I..Flat 50 x 6 mm	Kg.	1500	90.00	135000.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries such as N/B, Washers, Welding etc.	L.S.	1	3163.00	3163.00
				Total:	337963.00

Sheet No.3

Cost data of Structure for 33 KV CT & PT at 1x5 MVA, 33/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet No.4

Cost data for Clamps & Connectors at 1x5 MVA, 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	T-Connector for 200 sq mm conductor(Compression type)	Nos.	60	3855.00	231300.00
2	Clamps for 33 KV Isolator	Nos.	24	1141.00	27384.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 33 KV C.T.	Nos.	6	1668.00	10008.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	6	2415.00	14490.00
7	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
				Total:	449196.00

Sheet No.5

Cost data for Yard Lighting of 1X 5 MVA, 33/11 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	7	4328.00	30296.00
6	Red Bricks	No.	1000	8.00	8000.00
7	Sand	Cum	6	280.00	1680.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	172312.00

Sheet No.6

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 1x 5 MVA, 33/11 S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	G.I.Channel 100x50x6mm	Kg.	290	95.00	27550.00
2	G.I.Channel 75x40x6mm	Kg.	15	95.00	1425.00
3	G.I Flat 75x10 mm	Kg.	20	90.00	1800.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
7	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
8	11 kv Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
9	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt.	10	453.00	4530.00
10	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	50	275.00	13750.00
11	Earthing Sets H.T	Nos.	3	462.00	1386.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	Coal	Kg.	200	17.00	3400.00
14	Salt	Kg.	200	12.00	2400.00
15	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
16	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
17	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	270516.40

Sheet No.7

Cost data for Control cable 1 X 5 MVA, 33/11KV S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	125	474.00	59250.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	130	309.00	40170.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	55	125.00	6875.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	50	79.00	3950.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	100	92.00	9200.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	119963.00

C

Cost data for civil works for 33/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A) Hybrid	221065
2	Control room (As per table B) Hybrid	4190851.4
3	Store room of size 8.0m X 6.0 m (As per table C) Hybrid	0
4	Sanitary Water supply	0
5	Electrification (Lumsum)	142595.2425
6	WBM Road (As per table D) Hybrid	338243
7	Chain link fencing and Bar bed wire fencing (As per table E) Hybrid	728624
8	Metal Spreading (As per table F) Hybrid	141360
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.8
10	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	0.00
11	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Hybrid / Indoor / GIS	0.00
12	Water Supply arrangement for C/Room and Switch Yard.(As per table H) Hybrid	71663.00
13	Borewell including pumpset and allied accessories. (As per table I) Hybrid	114766.09
14	Const.of cable trench with covers in S/Yard. (As per table J) Hybrid	234838.00
15	Construction of retaining wall. (As per table K) Hybrid	786241.75
16	Rain Water Harvesting (As per Table L) Indoor	83020.30
17	Culvert (As per Table N) Indoor if required	197715.00
	Civil Works for NFIPS System	171360
	Total=	8005612.582

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.0103C

Cost data for 33/11 kV 2 X 5 MVA New S/S33 kV Outdoor & 11 kV Indoor

Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33 KV SIDE				
1	33 KV Lightning Arrestors (Station type)	Set	4	15253.00	61012.00
2	33 KV Isolators with EB (800 A)	Set	2	69539.00	139078.00
3	33 KV Isolators without EB (800 Amp.)	Set	5	63643.00	318215.00
4	33 KV Post Insulator	Nos	6	631.00	3786.00
5	Disc Insulator 11 KV 70 KN	Nos	36	326.00	11736.00
6	AAAC 232 mm2	MTR	200	162.00	32400.00
7	Strain Hardware for AAAC232 sq.mm.	Nos	12	693.00	8316.00
8	Earthing complete as per Sheet no.2	Set	2	298186.00	596372.00
9	Power Transformer 33/11 KV, 5 MVA	No	2	4525010.00	9050020.00
10	33 KV P.T.	Nos	3	24916.00	74748.00
11	33 kv C. T. (400-200/1-1-1)	Nos	6	33015.00	198090.00
12	33 KV VCB complete 1600 Amp (O.D.)	Set	2	247885.00	495770.00
13	C&R panel for 33 KV Transformer with 1 Amp. Relay	No	2	71641.00	143282.00
14	33 kv Pin Insulators with G.I. Pins	Nos	12	486.00	5832.00
15	Structure for 33 KV CT & PT as per Sheet no.3	No	2	64960.00	129920.00
16	G.I.Nut Bolts	KG	150	112.00	16800.00
17	Gantry Structure/Steel section for 33 KV Bus as per Table No.1	Nos	1.00	263209.50	263209.50
19	Marshalling Box	No.	2	5783.00	11566.00
B	11 KV SIDE				
20	11kv I D switchgear (2 I/c+1 B/c+8O/G)	Set	1	3943286.00	3943286.00
21	XLPE Cable 11 KV, 3 C / 300 mm sq.	MTR	600	1498.00	898800.00
22	11 kV heat shrinkable Indoor termination joint kit for 3 C X 300 sqmm	No.	8	1728.00	13824.00
23	Clamps and Connectors as per Sheet no.4	No.	1	520332.00	520332.00
24	S/S Yard lighting as per Sheet no.5	No.	1	178380.00	178380.00
25	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
26	11/0.43 KV x 100 KVA station Transformer as per Sheet no.6	No.	1	270516.40	270516.40
27	Control cables for S/S as per Sheet no.7	No.	1	241283.00	241283.00
28	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

D Cost of material 17733698.90

1	Transportation on material	4.00%	709348
2	T&P on material cost	1.00%	177337
3	Contingencies on material	2.00%	354674
5	Erection cost on material	5.00%	886685
6	Contractor supervision charges on material	5.00%	886685
7	Insurance , Labour & Finance Cost	1.30%	231159

Service Cost 3245888

Sub-Total 20979586

8	Turnkey Charges	5.00%	1048979
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Total 1.24% 22025254

9	Civil Works As per Sheet 'C'	No.	1	8417522
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Total Cost of Estimate 30442776

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	31099588	22025254
Civil Works As per Sheet 'C'	11425945	8417522
Total Cost of the Estimate	42525533	30442776

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for 33 KV Gantry M.S. Structure/Steel Section for 2x5 MVA 33/11 kv S/S (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(6Nos.)-496.0 kg.	MT	2.976	65475.00	194853.60
2	Beam type HA(4 Nos.)-261.0 Kg.	MT	1.044	65475.00	68355.90
				Total:	263209.50

Sheet No.2

Cost data for Earthing Work at 2x 5 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	298186.00

Sheet No.3

Cost data of Structure for 33 KV CT & PT at 2x5 MVA, 33/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet No.4

Cost data for Clamps & Connectors at 2x5 MVA, 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	T-Connector for 200 sq mm conductor(Compression type)	Nos.	60	3855.00	231300.00
2	Clamps for 33 KV Isolator	Nos.	42	1141.00	47922.00
3	Connectors for T/F Bushing	Nos.	12	4350.00	52200.00
4	Clamps for 33 KV C.T.	Nos.	12	1668.00	20016.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	12	2415.00	28980.00
7	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
				Total:	520332.00

Sheet No.5

Cost data for Yard Lighting of 2X 5 MVA, 33/11 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cum	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	178380.00

Sheet No.6

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 2x 5 MVA, 33/11 S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	G.I.Channel 100x50x6mm	Kg.	290	95.00	27550.00
2	G.I.Channel 75x40x6mm	Kg.	15	95.00	1425.00
3	G.I Flat 75x10 mm	Kg.	20	90.00	1800.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
7	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
8	11 kv Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
9	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt.	10	453.00	4530.00
10	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	50	275.00	13750.00
11	Earthing Sets H.T	Nos.	3	462.00	1386.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	Coal	Kg.	200	17.00	3400.00
14	Salt	Kg.	200	12.00	2400.00
15	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
16	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
17	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	270516.40

Sheet No.7

Cost data for Control cable 2 X 5 MVA, 33/11KV S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C

Cost data for civil works for 33/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A) Hybrid	221065
2	Control room (As per table B) Hybrid	4190851.4
3	Store room of size 8.0m X 6.0 m (As per table C) Hybrid	0
4	Sanitary Water supply	0
5	Electrification (Lumsum)	142595.2425
6	WBM Road (As per table D) Hybrid	338243
7	Chain link fencing and Bar bed wire fencing (As per table E) Hybrid	728624
8	Metal Spreading (As per table F) Hybrid	141360
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.8
10	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.8
11	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Hybrid / Indoor / GIS	0
12	Water Supply arrangement for C/Room and Switch Yard.(As per table H) Hybrid	71663.00
13	Borewell including pumpset and allied accessories. (As per table I) Hybrid	114766.09
14	Const.of cable trench with covers in S/Yard. (As per table J) Hybrid	234838.00
15	Construction of retaining wall. (As per table K) Hybrid	786241.75
16	Rain Water Harvesting (As per Table L) Indoor	83020.30
17	Culvert (As per Table N) Indoor if required	197715.00
	Total=	8417522.382

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.0104C

Cost data for 33/11 kV 2 X 10 MVA New S/S33 kV Outdoor & 11 kV Indoor

Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33 KV SIDE				
1	33 KV Lightning Arrestors (Station type)	Set	4	15253.00	61012.00
2	33 KV Isolators with EB (800 A)	Set	2	69539.00	139078.00
3	33 KV Isolators without EB (800 Amp.)	Set	5	63643.00	318215.00
4	33 KV Post Insulator	Nos	6	631.00	3786.00
5	Disc Insulator 11 KV 70 KN	Nos	36	326.00	11736.00
6	AAAC 232 mm2	MTR	200	162.00	32400.00
7	Strain Hardware for AAAC232 sq.mm.	Nos	12	693.00	8316.00
8	Earthing complete as per Sheet no.2	Set	2	298186.00	596372.00
9	Power Transformer 33/11 KV, 10 MVA	No	2	8098196.00	16196392.00
10	33 KV P.T.	Nos	3	24916.00	74748.00
11	33 kV C. T. (400-200/1-1-1)	Nos	6	33015.00	198090.00
12	33 KV VCB complete 1600 Amp (O.D.)	Set	2	247885.00	495770.00
13	C&R panel for 33 KV Transformer with 1 Amp. Relay	No	2	71641.00	143282.00
14	33 kV Pin Insulators with G.I. Pins	Nos	12	486.00	5832.00
15	Structure for 33 KV CT & PT as per Sheet no.3	No	2	64960.00	129920.00
16	G.I.Nut Bolts	KG	150	112.00	16800.00
17	Gantry Structure/Steel section for 33 KV Bus as per Table No.1	Nos	1.00	263209.50	263209.50
18	Marshalling Box	No.	2	5783.00	11566.00
B	11 KV SIDE				
19	11kV I D switchgear (2 I/c+1 B/c+8O/G)	Set	1	3943286.00	3943286.00
20	XLPE Cable 11 KV, 3 C / 300 mm sq.	MTR	600	1498.00	898800.00
21	11 kV heat shrinkable Indoor termination joint kit for 3 C X 300 sqmm	No.	8	1728.00	13824.00
22	Clamps and Connectors as per Sheet no.4	No.	1	520332.00	520332.00
23	S/S Yard lighting as per Sheet no.5	No.	1	178380.00	178380.00
24	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
25	11/0.43 KV x 100 KVA station Transformer as per Sheet no.6	No.	1	270516.40	270516.40
26	Control cables for S/S as per Sheet no.7	No.	1	241283.00	241283.00
27	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

D Cost of material 24880070.90

1	Erection cost on material	5.00%	1244004
2	Contractor supervision charges on material	5.00%	1244004
	Sub-Total		27368078
3	Contractor's Profit	5.00%	1368404
	Sub-Total		28736482
4	Transportation on material	4.00%	995203
5	T&P on material cost	1.00%	248801
6	Contingencies on material	2.00%	497601
	Service Cost		61702576
	Sub-Total		30478087
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	60956
	Sub-Total		30539043
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	56497
9	Insurance	1.00%	305390
10	Turnkey Charges	0.00%	0
	Total		30900931
9	Civil Works As per Sheet 'C'	No.	1
	Total Cost of Estimate		39698025

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	43632180	30901048
Civil Works As per Sheet 'C'	11941176	8797094
Total Cost of the Estimate	55573356	39698142

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for 33 KV Gantry M.S. Structure/Steel Section for 2x10 MVA 33/11 kv S/S (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(6Nos.)-496.0 kg.	MT	2.976	65475.00	194853.60
2	Beam type HA(4 Nos.)-261.0 Kg.	MT	1.044	65475.00	68355.90
				Total:	263209.50

Sheet No.2

Cost data for Earthing Work at 2x 10 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	298186.00

Sheet No.3

Cost data of Structure for 33 KV CT & PT at 2x10 MVA, 33/11 KV S/Strn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet No.4

Cost data for Clamps & Connectors at 2x10 MVA, 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	T-Connector for 200 sq mm conductor(Compression type)	Nos.	60	3855.00	231300.00
2	Clamps for 33 KV Isolator	Nos.	42	1141.00	47922.00
3	Connectors for T/F Bushing	Nos.	12	4350.00	52200.00
4	Clamps for 33 KV C.T.	Nos.	12	1668.00	20016.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	12	2415.00	28980.00
7	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
				Total:	520332.00

Sheet No.5

Cost data for Yard Lighting of 2X 10 MVA, 33/11 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cum	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	178380.00

Sheet No.6

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 2x 10 MVA, 33/11 S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	G.I.Channel 100x50x6mm	Kg.	290	95.00	27550.00
2	G.I.Channel 75x40x6mm	Kg.	15	95.00	1425.00
3	G.I Flat 75x10 mm	Kg.	20	90.00	1800.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
7	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
8	11 kv Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
9	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt.	10	453.00	4530.00
10	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	50	275.00	13750.00
11	Earthing Sets H.T	Nos.	3	462.00	1386.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	Coal	Kg.	200	17.00	3400.00
14	Salt	Kg.	200	12.00	2400.00
15	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
16	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
17	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	270516.40

Sheet No.7

Cost data for Control cable 2 X 10 MVA, 33/11KV S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C

Cost data for civil works for 33/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A) Hybrid	221065
2	Control room (As per table B) Hybrid	4190851.4
3	Store room of size 8.0m X 6.0 m (As per table C) Hybrid	0
4	Sanitary Water supply	0
5	Electrification (Lumsum)	142595.2425
6	WBM Road (As per table D) Hybrid	338243
7	Chain link fencing and Bar bed wire fencing (As per table E) Hybrid	728624
8	Metal Spreading (As per table F) Hybrid	141360
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.8
10	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.8
11	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Hybrid / Indoor / GIS	36851.8
12	Water Supply arrangement for C/Room and Switch Yard.(As per table H) Hybrid	71663.00
13	Borewell including pumpset and allied accessories. (As per table I) Hybrid	114766.09
14	Const.of cable trench with covers in S/Yard. (As per table J) Hybrid	234838.00
15	Construction of retaining wall. (As per table K) Hybrid	786241.75
16	Rain Water Harvesting (As per Table L) Indoor	83020.30
17	Culvert (As per Table N) Indoor if required	197715.00
	Civil Works for NFIPS System (2 PTFS)	342720
	Total=	8797094.182

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.0101D

Cost data for 33/11 kV 1 X 5 MVA New S/S33 kV Outdoor & 11 kV Indoor with RSJ pole structure

Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33 KV SIDE				
1	33 KV Lightning Arrestors (Station type)	Set	2	15253.00	30506.00
2	33 KV Isolators with EB (800 A)	Set	1	69539.00	69539.00
3	33 KV Isolators without EB (800 Amp.)	Set	3	63643.00	190929.00
4	33 KV Post Insulator	Nos	3	631.00	1893.00
5	RSJ 125x70, 8 m long	Nos	8	6322.00	50576.00
6	G.I.Channel 100x50x6mm	Kg.	1650	95.00	156750.00
7	G.I.Angle 75x40 mm	Kg.	100	95.00	9500.00
8	G.I Flat 50x10 mm	Kg.	80	90.00	7200.00
9	Disc Insulator 11 KV 70 KN	Nos	18	326.00	5868.00
10	AAAC 232 mm2	MTR	200	162.00	32400.00
11	Strain Hardware for AAAC232 sq.mm.	Nos	6	693.00	4158.00
12	Earthing complete as per Sheet no.1	Set	1	337983.00	337983.00
13	Power Transformer 33/11 KV, 5 MVA	No	1	4525010.00	4525010.00
14	33 KV P.T.	Nos	3	24916.00	74748.00
15	33 kv C. T. (400-200/1-1-1)	Nos	3	33015.00	99045.00
16	33 KV VCB complete 1600 Amp (O.D.)	Set	1	247885.00	247885.00
17	C&R panel for 33 KV Transformer with 1 Amp. Relay	No	1	71641.00	71641.00
18	33 kv Pin Insulators with G.I. Pins	Nos	6	486.00	2916.00
19	Structure for 33 KV CT & PT as per Sheet no.2	No	1	64960.00	64960.00
20	G.I.Nut Bolts	KG	150	112.00	16800.00
21	Marshalling Box	No.	1	5783.00	5783.00
B	11 KV SIDE				
22	11kV I D switchgear (1 I/c+1 B/c+4O/G)	Set	1	2154320.00	2154320.00
23	XLPE Cable 11 KV, 3 C / 300 mm sq.	MTR	300	1498.00	449400.00
24	11 kV heat shrinkable Indoor termination joint kit for 3 C X 300 sqmm	No.	4	1728.00	6912.00
25	Clamps and Connectors as per Sheet no.3	No.	1	314286.00	314286.00
26	S/S Yard lighting as per Sheet no.4	No.	1	172312.00	172312.00
27	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
28	11/0.43 KV x 100 KVA station Transformer as per Sheet no.5	No.	1	270516.40	270516.40
29	Control cables for S/S as per Sheet no.6	No.	1	119963.00	119963.00
30	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

D Cost of material 9600904.40

1	Erection cost on material	5.00%	480045
2	Contractor supervision charges on material	5.00%	480045
	Sub-Total		10560995
3	Contractor's Profit	5.00%	528050
	Sub-Total		11089045
4	Transportation on material	4.00%	384036
5	T&P on material cost	1.00%	96009
6	Contingencies on material	2.00%	192018
	Service Cost		23810243
	Sub-Total		11761108
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	23522
	Sub-Total		11784630
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	21802
9	Insurance	1.00%	117846
10	Turnkey Charges	0.00%	0

Total 11924278

9 Civil Works As per Sheet 'C' No. 1 7834253
Total Cost of Estimate 19758531

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	16837106	11924323
Civil Works As per Sheet 'C'	10634214	7834253
Total Cost of the Estimate	27471321	19758576

11924323.26 16837106.05

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for Earthing Work at 1x 5 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	G.I.Flat 50 x 6 mm	Kg.	1500	90.00	135000.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries such as N/B, Washers, Welding etc.	L.S.	1	3163.00	3163.00
				Total:	337963.00

Sheet No.2

Cost data of Structure for 33 KV CT & PT at 1x5 MVA, 33/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet No.3

Cost data for Clamps & Connectors at 1x5 MVA, 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	T-Connector for 200 sq mm conductor(Compression type)	Nos.	60	3855.00	231300.00
2	Clamps for 33 KV Isolator	Nos.	24	1141.00	27384.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 33 KV C.T.	Nos.	6	1668.00	10008.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	6	2415.00	14490.00
				Total:	314286.00

Sheet No.4

Cost data for Yard Lighting of 1X 5 MVA, 33/11 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	7	4328.00	30296.00
6	Red Bricks	No.	1000	8.00	8000.00
7	Sand	Cum	6	280.00	1680.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	172312.00

Sheet No.5

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 1x 5 MVA, 33/11 S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	G.I.Channel 100x50x6mm	Kg.	290	95.00	27550.00
2	G.I.Channel 75x40x6mm	Kg.	15	95.00	1425.00
3	G.I Flat 75x10 mm	Kg.	20	90.00	1800.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
7	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
8	11 kv Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
9	L.T.XLPE Armoured 3.5 Core cable 120 sq.mm.	Rmt.	10	453.00	4530.00
10	L.T.XLPE Armoured 3.5 Core cable 70 sq.mm.	Rmt.	50	275.00	13750.00
11	Earthing Sets H.T	Nos.	3	462.00	1386.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	Coal	Kg.	200	17.00	3400.00
14	Salt	Kg.	200	12.00	2400.00
15	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
16	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
17	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	270516.40

Sheet No.6

Cost data for Control cable 1 X 5 MVA, 33/11KV S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	125	474.00	59250.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	130	309.00	40170.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	55	125.00	6875.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	50	79.00	3950.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	100	92.00	9200.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	119963.00

C

Cost data for civil works for 33/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A) Hybrid	221065
2	Control room (As per table B) Hybrid	4190851.4
3	Store room of size 8.0m X 6.0 m (As per table C) Hybrid	0
4	Sanitary Water supply	0
5	Electrification (Lumsum)	142595.2425
6	WBM Road (As per table D) Hybrid	338243
7	Chain link fencing and Bar bed wire fencing (As per table E) Hybrid	728624
8	Metal Spreading (As per table F) Hybrid	141360
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.8
10	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	0
11	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Hybrid / Indoor / GIS	0
12	Water Supply arrangement for C/Room and Switch Yard.(As per table H) Hybrid	71663.00
13	Borewell including pumpset and allied accessories. (As per table I) Hybrid	114766.09
14	Const.of cable trench with covers in S/Yard. (As per table J) Hybrid	234838.00
15	Construction of retaining wall. (As per table K) Hybrid	786241.75
16	Rain Water Harvesting (As per Table L) Indoor	83020.30
17	Culvert (As per Table N) Indoor if required	197715.00
	Total=	7834252.582

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.0102D

Cost data for 33/11 kV 1 X 10 MVA New S/S33 kV Outdoor & 11 kV Indoor with RSJ pole structure

Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33 KV SIDE				
1	33 KV Lightning Arrestors (Station type)	Set	2	15253.00	30506.00
2	33 KV Isolators with EB (800 A)	Set	1	69539.00	69539.00
3	33 KV Isolators without EB (800 Amp.)	Set	3	63643.00	190929.00
4	33 KV Post Insulator	Nos	3	631.00	1893.00
5	RSJ 125x70, 8 m long	Nos	8	6322.00	50576.00
6	G.I.Channel 100x50x6mm	Kg.	1650	95.00	156750.00
7	G.I.Angle 75x40 mm	Kg.	100	95.00	9500.00
8	G.I Flat 50x10 mm	Kg.	80	90.00	7200.00
9	Disc Insulator 11 KV 70 KN	Nos	18	326.00	5868.00
10	AAAC 232 mm2	MTR	200	162.00	32400.00
11	Strain Hardware for AAAC232 sq.mm.	Nos	6	693.00	4158.00
12	Earthing complete as per Sheet no.1	Set	1	337963.00	337963.00
13	Power Transformer 33/11 KV, 10 MVA	No	1	8098196.00	8098196.00
14	33 KV P.T.	Nos	3	24916.00	74748.00
15	33 kV C. T. (400-200/1-1-1)	Nos	3	33015.00	99045.00
16	33 KV VCB complete 1600 Amp (O.D.)	Set	1	247885.00	247885.00
17	C&R panel for 33 KV Transformer with 1 Amp. Relay	No	1	71641.00	71641.00
18	33 kV Pin Insulators with G.I. Pins	Nos	6	486.00	2916.00
19	Structure for 33 KV CT & PT as per Sheet no.2	No	1	64960.00	64960.00
20	G.I.Nut Bolts	KG	150	112.00	16800.00
21	Marshalling Box	No.	1	5783.00	5783.00
B	11 KV SIDE				
22	11kV I D switchgear (1 I/c+1 B/c+4O/G)	Set	1	2154320.00	2154320.00
23	XLPE Cable 11 KV, 3 C / 300 mm sq.	MTR	300	1498.00	449400.00
24	11 kV heat shrinkable Indoor termination joint kit for 3 C X 300 sqmm	No.	4	1728.00	6912.00
25	Clamps and Connectors as per Sheet no.3	No.	1	314286.00	314286.00
26	S/S Yard lighting as per Sheet no.4	No.	1	172312.00	172312.00
27	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
28	11/0.43 KV x 100 KVA station Transformer as per Sheet no.5	No.	1	270516.40	270516.40
29	Control cables for S/S as per Sheet no.6	No.	1	119963.00	119963.00
30	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

D	Cost of material			13174090.40
1	Erection cost on material	5.00%		658705
2	Contractor supervision charges on material	5.00%		658705
	Sub-Total			14491499
3	Contractor's Profit	5.00%		724575
	Sub-Total			15216074
4	Transportation on material	4.00%		526964
5	T&P on material cost	1.00%		131741
6	Contingencies on material	2.00%		263482
	Service Cost			32671744
	Sub-Total			16138261
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%		32277
	Sub-Total			16170537
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%		29915
9	Insurance	1.00%		161705
10	Turnkey Charges	0.00%		0
	Total			16362158
9	Civil Works As per Sheet 'C'	No.	1	8005613
	Total Cost of Estimate			24367771

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	23103402	16362220
Civil Works As per Sheet 'C'	10866819	8005613
Total Cost of the Estimate	33970221	24367833

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for Earthing Work at 1x 5 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	G.I.Flat 50 x 6 mm	Kg.	1500	90.00	135000.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries such as N/B, Washers, Welding etc.	L.S.	1	3163.00	3163.00
Total:					337963.00

Sheet No.2

Cost data of Structure for 33 KV CT & PT at 1x5 MVA, 33/11 KV S/Strn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
Total:					64960.00

Sheet No.3

Cost data for Clamps & Connectors at 1x5 MVA, 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	T-Connector for 200 sq mm conductor(Compression type)	Nos.	60	3855.00	231300.00
2	Clamps for 33 KV Isolator	Nos.	24	1141.00	27384.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 33 KV C.T.	Nos.	6	1668.00	10008.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	6	2415.00	14490.00
Total:					314286.00

Sheet No.4

Cost data for Yard Lighting of 1X 10 MVA, 33/11 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	7	4328.00	30296.00
6	Red Bricks	No.	1000	8.00	8000.00
7	Sand	Cum	6	280.00	1680.00
8	Sundries	L.S.	-	886.00	886.00
Total:					172312.00

Sheet No.5

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 1x 10 MVA, 33/11 S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	G.I.Channel 100x50x6mm	Kg.	290	95.00	27550.00
2	G.I.Channel 75x40x6mm	Kg.	15	95.00	1425.00
3	G.I Flat 75x10 mm	Kg.	20	90.00	1800.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
7	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
8	11 kv Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
9	L.T.XLPE Armoured 3.5 Core cable 120 sq.mm.	Rmt.	10	453.00	4530.00
10	L.T.XLPE Armoured 3.5 Core cable 70 sq.mm.	Rmt.	50	275.00	13750.00
11	Earthing Sets H.T	Nos.	3	462.00	1386.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	Coal	Kg.	200	17.00	3400.00
14	Salt	Kg.	200	12.00	2400.00
15	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
16	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
17	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	270516.40

Sheet No.6

Cost data for Control cable 1 X 5 MVA, 33/11KV S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	125	474.00	59250.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	130	309.00	40170.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	55	125.00	6875.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	50	79.00	3950.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	100	92.00	9200.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	119963.00

C

Cost data for civil works for 33/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A) Hybrid	221065
2	Control room (As per table B) Hybrid	4190851.4
3	Store room of size 8.0m X 6.0 m (As per table C) Hybrid	0
4	Sanitary Water supply	0
5	Electrification (Lumsum)	142595.2425
6	WBM Road (As per table D) Hybrid	338243
7	Chain link fencing and Bar bed wire fencing (As per table E) Hybrid	728624
8	Metal Spreading (As per table F) Hybrid	141360
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.8
10	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	0
11	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Hybrid / Indoor / GIS	0
12	Water Supply arrangement for C/Room and Switch Yard.(As per table H) Hybrid	71663.00
13	Borewell including pumpset and allied accessories. (As per table I) Hybrid	114766.09
14	Const.of cable trench with covers in S/Yard. (As per table J) Hybrid	234838.00
15	Construction of retaining wall. (As per table K) Hybrid	786241.75
16	Rain Water Harvesting (As per Table L) Indoor	83020.30
17	Culvert (As per Table N) Indoor if required	197715.00
	Civil Works for NFIPS System	171360
	Total=	8005612.582

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.0103D

Cost data for 33/11 kV 2 X 5 MVA New S/S33 kV Outdoor & 11 kV Indoor with RSJ pole structure

Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33 KV SIDE				
1	33 KV Lightning Arrestors (Station type)	Set	4	15253.00	61012.00
2	33 KV Isolators with EB (800 A)	Set	2	69539.00	139078.00
3	33 KV Isolators without EB (800 Amp.)	Set	5	63643.00	318215.00
4	33 KV Post Insulator	Nos	6	631.00	3786.00
5	RSJ 125x70, 8 m long	Nos	16	6322.00	101152.00
6	G.I.Channel 100x50x6mm	Kg.	3300	95.00	313500.00
7	G.I.Angle 75x40 mm	Kg.	200	95.00	19000.00
8	G.I Flat 50x10 mm	Kg.	160	90.00	14400.00
9	Disc Insulator 11 KV 70 KN	Nos	36	326.00	11736.00
10	AAAC 232 mm2	MTR	200	162.00	32400.00
11	Strain Hardware for AAAC232 sq.mm.	Nos	12	693.00	8316.00
12	Earthing complete as per Sheet no.1	Set	2	298186.00	596372.00
13	Power Transformer 33/11 KV, 5 MVA	No	2	4525010.00	9050020.00
14	33 KV P.T.	Nos	3	24916.00	74748.00
15	33 kV C. T. (400-200/1-1-1)	Nos	6	33015.00	198090.00
16	33 KV VCB complete 1600 Amp (O.D.)	Set	2	247885.00	495770.00
17	C&R panel for 33 KV Transformer with 1 Amp. Relay	No	2	71641.00	143282.00
18	33 kV Pin Insulators with G.I. Pins	Nos	12	486.00	5832.00
19	Structure for 33 KV CT & PT as per Sheet no.2	No	2	64960.00	129920.00
20	G.I.Nut Bolts	KG	150	112.00	16800.00
21	Marshalling Box	No.	2	5783.00	11566.00
B	11 KV SIDE				
22	11kV I D switchgear (2 I/c+1 B/c+8O/G)	Set	1	3943286.00	3943286.00
23	XLPE Cable 11 KV, 3 C / 300 mm sq.	MTR	600	1498.00	898800.00
24	11 kV heat shrinkable Indoor termination joint kit for 3 C X 300 sqmm	No.	8	1728.00	13824.00
25	Clamps and Connectors as per Sheet no.3	No.	1	385422.00	385422.00
26	S/S Yard lighting as per Sheet no.4	No.	1	178380.00	178380.00
27	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
28	11/0.43 KV x 100 KVA station Transformer as per Sheet no.5	No.	1	270516.40	270516.40
29	Control cables for S/S as per Sheet no.6	No.	1	241283.00	241283.00
30	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

D Cost of material 17783631.40

1	Erection cost on material	5.00%	889182
2	Contractor supervision charges on material	5.00%	889182
	Sub-Total		19561995
3	Contractor's Profit	5.00%	978100
	Sub-Total		20540094
4	Transportation on material	4.00%	711345
5	T&P on material cost	1.00%	177836
6	Contingencies on material	2.00%	355673
	Service Cost		44103406
	Sub-Total		21784948
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	43570
	Sub-Total		21828518
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	40383
9	Insurance	1.00%	218285
10	Turnkey Charges	0.00%	0

Total 22087186

9	Civil Works As per Sheet 'C'	No.	1	8417522
	Total Cost of Estimate			30504709

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	31187154	22087270
Civil Works As per Sheet 'C'	11425945	8417522
Total Cost of the Estimate	42613099	30504793

Sheet No.1

Cost data for Earthing Work at 2x 5 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	298186.00

Sheet No.2

Cost data of Structure for 33 KV CT & PT at 2x5 MVA, 33/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet No.3

Cost data for Clamps & Connectors at 2x5 MVA, 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	T-Connector for 200 sq mm conductor(Compression type)	Nos.	60	3855.00	231300.00
2	Clamps for 33 KV Isolator	Nos.	42	1141.00	47922.00
3	Connectors for T/F Bushing	Nos.	12	4350.00	52200.00
4	Clamps for 33 KV C.T.	Nos.	12	1668.00	20016.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	12	2415.00	28980.00
				Total:	385422.00

Sheet No.4

Cost data for Yard Lighting of 2X 5 MVA, 33/11 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cum	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	178380.00

Sheet No.5

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 2x 5 MVA, 33/11 S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	G.I.Channel 100x50x6mm	Kg.	290	95.00	27550.00
2	G.I.Channel 75x40x6mm	Kg.	15	95.00	1425.00
3	G.I Flat 75x10 mm	Kg.	20	90.00	1800.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
7	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
8	11 kv Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
9	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt.	10	453.00	4530.00
10	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	50	275.00	13750.00
11	Earthing Sets H.T	Nos.	3	462.00	1386.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	Coal	Kg.	200	17.00	3400.00
14	Salt	Kg.	200	12.00	2400.00
15	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
16	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
17	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	270516.40

Sheet No.6

Cost data for Control cable 2 X 5 MVA, 33/11KV S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C Cost data for civil works for 33/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A) Hybrid	221065
2	Control room (As per table B) Hybrid	4190851.4
3	Store room of size 8.0m X 6.0 m (As per table C) Hybrid	0
4	Sanitary Water supply	0
5	Electrification (Lumsum)	142595.2425
6	WBM Road (As per table D) Hybrid	338243
7	Chain link fencing and Bar bed wire fencing (As per table E) Hybrid	728624
8	Metal Spreading (As per table F) Hybrid	141360
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.8
10	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.8
11	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Hybrid / Indoor / GIS	0
12	Water Supply arrangement for C/Room and Switch Yard.(As per table H) Hybrid	71663.00
13	Borewell including pumpset and allied accessories. (As per table I) Hybrid	114766.09
14	Const.of cable trench with covers in S/Yard. (As per table J) Hybrid	234838.00
15	Construction of retaining wall. (As per table K) Hybrid	786241.75
16	Rain Water Harvesting (As per Table L) Indoor	83020.30
17	Culvert (As per Table N) Indoor if required	197715.00
	Total=	8417522.382

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.0104D

Cost data for 33/11 kV 2 X 10 MVA New S/S33 kV Outdoor & 11 kV Indoor with RSJ pole structure

Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33 KV SIDE				
1	33 KV Lightning Arrestors (Station type)	Set	4	15253.00	61012.00
2	33 KV Isolators with EB (800 A)	Set	2	69539.00	139078.00
3	33 KV Isolators without EB (800 Amp.)	Set	5	63643.00	318215.00
4	33 KV Post Insulator	Nos	6	631.00	3786.00
5	RSJ 125x70, 8 m long	Nos	16	6322.00	101152.00
6	G.I.Channel 100x50x6mm	Kg.	3300	95.00	313500.00
7	G.I.Angle 75x40 mm	Kg.	200	95.00	19000.00
8	G.I Flat 50x10 mm	Kg.	160	90.00	14400.00
9	Disc Insulator 11 KV 70 KN	Nos	36	326.00	11736.00
10	AAAC 232 mm2	MTR	200	162.00	32400.00
11	Strain Hardware for AAAC232 sq.mm.	Nos	12	693.00	8316.00
12	Earthing complete as per Sheet no.1	Set	2	298186.00	596372.00
13	Power Transformer 33/11 KV, 10 MVA	No	2	8098196.00	16196392.00
14	33 KV P.T.	Nos	3	24916.00	74748.00
15	33 KV C. T. (400-200/1-1-1)	Nos	6	33015.00	198090.00
16	33 KV VCB complete 1600 Amp (O.D.)	Set	2	247885.00	495770.00
17	C&R panel for 33 KV Transformer with 1 Amp. Relay	No	2	71641.00	143282.00
18	33 kV Pin Insulators with G.I. Pins	Nos	12	486.00	5832.00
19	Structure for 33 KV CT & PT as per Sheet no.2	No	2	64960.00	129920.00
20	G.I.Nut Bolts	KG	150	112.00	16800.00
21	Marshalling Box	No.	2	5783.00	11566.00
B	11 KV SIDE				
22	11KV I D switchgear (2 I/c+1 B/c+8O/G)	Set	1	3943286.00	3943286.00
23	XLPE Cable 11 KV, 3 C / 300 mm sq.	MTR	600	1498.00	898800.00
24	11 kV heat shrinkable Indoor termination joint kit for 3 C X 300 sqmm	No.	8	1728.00	13824.00
25	Clamps and Connectors as per Sheet no.3	No.	1	385422.00	385422.00
26	S/S Yard lighting as per Sheet no.4	No.	1	178380.00	178380.00
27	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
28	11/0.43 KV x 100 KVA station Transformer as per Sheet no.5	No.	1	270516.40	270516.40
29	Control cables for S/S as per Sheet no.6	No.	1	241283.00	241283.00
30	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

D Cost of material 24930003.40

1	Erection cost on material	5.00%	1246500
2	Contractor supervision charges on material	5.00%	1246500
	Sub-Total		27423004
3	Contractor's Profit	5.00%	1371150
	Sub-Total		28794154
4	Transportation on material	4.00%	997200
5	T&P on material cost	1.00%	249300
6	Contingencies on material	2.00%	498600
	Service Cost		61826408
	Sub-Total		30539254
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	61079
	Sub-Total		30600333
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	56611
9	Insurance	1.00%	306003
10	Turnkey Charges	0.00%	0

Total 30962947

9 Civil Works As per Sheet 'C' No. 1 8797094
Total Cost of Estimate 39760041

Particulars	Tender/ Estimate Amount	
	DPR Amount	Tender/ Estimate Amount
Cost with overheads on Material	43719747	30963064
Civil Works As per Sheet 'C'	11941176	8797094
Total Cost of the Estimate	55660923	39760158

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for Earthing Work at 2x 10 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	298186.00

Sheet No.2

Cost data of Structure for 33 KV CT & PT at 2x10 MVA, 33/11 KV S/Strn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet No.3

Cost data for Clamps & Connectors at 2x10 MVA, 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	T-Connector for 200 sq mm conductor(Compression type)	Nos.	60	3855.00	231300.00
2	Clamps for 33 KV Isolator	Nos.	42	1141.00	47922.00
3	Connectors for T/F Bushing	Nos.	12	4350.00	52200.00
4	Clamps for 33 KV C.T.	Nos.	12	1668.00	20016.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	12	2415.00	28980.00
				Total:	385422.00

Sheet No.4

Cost data for Yard Lighting of 2X 10 MVA, 33/11 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cum	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	178380.00

Sheet No.5

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 2x 10 MVA, 33/11 S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	G.I.Channel 100x50x6mm	Kg.	290	95.00	27550.00
2	G.I.Channel 75x40x6mm	Kg.	15	95.00	1425.00
3	G.I Flat 75x10 mm	Kg.	20	90.00	1800.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
7	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
8	11 kv Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
9	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt.	10	453.00	4530.00
10	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	50	275.00	13750.00
11	Earthing Sets H.T	Nos.	3	462.00	1386.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	Coal	Kg.	200	17.00	3400.00
14	Salt	Kg.	200	12.00	2400.00
15	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
16	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
17	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	270516.40

Sheet No.6

Cost data for Control cable 2 X 10 MVA, 33/11KV S/Strn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C Cost data for civil works for 33/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A) Hybrid	221065
2	Control room (As per table B) Hybrid	4190851.4
3	Store room of size 8.0m X 6.0 m (As per table C) Hybrid	0
4	Sanitary Water supply	0
5	Electrification (Lumsum)	142595.2425
6	WBM Road (As per table D) Hybrid	338243
7	Chain link fencing and Bar bed wire fencing (As per table E) Hybrid	728624
8	Metal Spreading (As per table F) Hybrid	141360
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.8
10	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.8
11	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Hybrid / Indoor / GIS	36851.8
12	Water Supply arrangement for C/Room and Switch Yard.(As per table H) Hybrid	71663.00
13	Borewell including pumpset and allied accessories. (As per table I) Hybrid	114766.09
14	Const.of cable trench with covers in S/Yard. (As per table J) Hybrid	234838.00
15	Construction of retaining wall. (As per table K) Hybrid	786241.75
16	Rain Water Harvesting (As per Table L) Indoor	83020.30
17	Culvert (As per Table N) Indoor if required	197715.00
	Civil Works for NFIPS System (2 PTF)	342720
	Total=	8797094.182

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0201

Cost data for Augmentation of 33/11 KV, 1x3.15 MVA to 1x5 MVA Power T/F (Outdoor)[if associated switch gears available]

Sr.No.	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
1	Power Transformer 33/11 KV, 5 MVA	No	1	4525010.00	4525010.00

D	Cost of material				4525010.00
1	Erection cost on material		5.00%		226251
2	Contractor supervision charges on material		5.00%		226251
	Sub-Total				4977511
3	Contractor's Profit		5.00%		248876
	Sub-Total				5226387
4	Transportation on material		4.00%		181000
5	T&P on material cost		1.00%		45250
6	Contingencies on material		2.00%		90500
	Service Cost				11222025
	Sub-Total				5543137
7	BG Charges on 10% of the LOA amount (on Material+centage		0.20%		11086
	Sub-Total				5554224
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)		0.19%		10275
9	Insurance		1.00%		55542
10	Turnkey Charges		0.00%		0
	Total				5620041

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	7935510	5620062
Total Cost of the Estimate	7935510	5620062

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0202

Cost data for Augmentation of 33/11 KV, 1x5 MVA to 1x10 MVA Power T/F (Outdoor)

Sr.No.	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
1	Power Transformer 33/11 KV, 10 MVA	No	1	8098196.00	8098196.00
2	C&R panel for 33 KV Transformer with Diff. Protection	No	1	78541.00	78541.00
3	AAAC 232 mm2	Mtr	75	162.00	12150.00
4	33 kv C. T. (400-200/1-1-1)	Nos	3	33015.00	99045.00
B	11 KV Side				
1	11 kv 250 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Islators, C.T. & P.T. etc.	Set	1	1078087.00	1078087.00
2	Clamps and Connectors as per Sheet no.1	No.	1	217896.00	217896.00
3	Take off structure for 3 outgoing feeder as per Sheet no.2	No.	1	331159.00	331159.00
4	Structure for 11 KV Main Bus as per Sheet no.3	No.	1	279619.00	279619.00
5	Armoured Copper control cable 7Cx2.5 sq.mm.	mtr	125	199.00	24875.00

D **Cost of material** **10219568.00**

1	Erection cost on material	5.00%	510978
2	Contractor supervision charges on material	5.00%	510978
	Sub-Total		11241525
3	Contractor's Profit	5.00%	562076
	Sub-Total		11803601
4	Transportation on material	4.00%	408783
5	T&P on material cost	1.00%	102196
6	Contingencies on material	2.00%	204391
	Service Cost		25344529
	Sub-Total		12518971
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	25038
	Sub-Total		12544009
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	23206
9	Insurance	1.00%	125440
10	Turnkey Charges	0.00%	0
	Total		12692655

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost of Material	17922056	12692703
Civil Work for NIFPS System	233050	171360
Total Cost of the Estimate	18155106	12864063

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Sheet No.

1

Cost data for Clamps & Connectors at 1x 10 MVA,3311 kv sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 33 KV Isolator	Nos.	24	1141.00	27384.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 33 KV C.T.	Nos.	6	1668.00	10008.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	6	2415.00	14490.00
	Total:				217896.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No :

2

Cost data for Take off structure for 11 KV Feeders 3 outlets at 1x5 MVA,33/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 100 mm2	Rmt.	150	70.00	10500.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	18	642.00	11556.00
b)	T-Connector for 100 sq mm conductor	Nos.	18	843.00	15174.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	331159.00

Sheet No.3

Cost data for Structure of 11 KV Main Bus at 1x5MVA, 33/11 KV Sub-Station (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
7	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
10	AAAC 100 mm2	Rmt.	150	70.00	10500.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	T-Connector for 100 sq mm conductor	Nos.	12	843.00	10116.00
15	Miscellaneous material	LS	1	518.00	518.00
				Total:	279619.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0203

Cost data for Augmentation of 33/11 KV, 1x3.15 MVA to 1x10 MVA Power T/F (Outdoor)

Sr.No.	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
1	Power Transformer 33/11 KV, 10 MVA	No	1	8098196.00	8098196.00
2	C&R panel for 33 KV Transformer with Diff. Protection	No	1	78541.00	78541.00
3	33 kv C. T. (400-200/1-1-1)	Nos	3	33015.00	99045.00
4	33 KV VCB complete 1600 Amp (O.D.)	Set	1	247885.00	247885.00
5	33 KV Lightning Arrestors (Station type)	Set	2	15253.00	30506.00
6	33 KV Isolators without EB (800 Amp.)	Set	2	63643.00	127286.00
7	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
8	AAAC 232 mm2	Mtr	300	162.00	48600.00
9	Structure for 33 KV CT as per Sheet no.1	No	1	36890.00	36890.00
10	Control cables for S/S as per Sheet no.2	No.	1	24875.00	24875.00
11	Clamps and Connectors as per Sheet no.3	No.	1	193632.00	193632.00
B	11 KV Side				
1	11 kv 250 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Islators, C.T. & P.T. etc.	Set	1	1078087.00	1078087.00
2	L.As. 11 KV (Gapless type) with disconnector	Set	2	1531.00	3062.00
3	Take off structure for 3 outgoing feeder as per Sheet no.4	No.	1	331159.00	331159.00
4	Structure for 11 KV Main Bus as per Sheet no.5	No.	1	279619.00	279619.00
D	Cost of material				10760183.00

1	Erection cost on material	5.00%	538009
2	Contractor supervision charges on material	5.00%	538009
	Sub-Total		11836201
3	Contractor's Profit	5.00%	591810
	Sub-Total		12428011
4	Transportation on material	4.00%	430407
5	T&P on material cost	1.00%	107602
6	Contingencies on material	2.00%	215204
	Service Cost		26685254
	Sub-Total		13181224
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	26362
	Sub-Total		13207587
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour ccess)	0.19%	24434
9	Insurance	1.00%	132076
10	Turnkey Charges	0.00%	0
	Total		13364097

9	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor		880248
	Total Estimate		14244344

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	18870133	13364147
Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	1197137	880248
Civil Works for NIFPS System	233050	171360
Total Cost of the Estimate	20300319	14415755

Sheet No.1

Cost data of Structure for 33 KV CT & PT at 1x10 MVA 33/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV CT	Kg.	315	70.00	22050.00
2	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
3	Structure for Power T/F Neutral Earthing	Kg.	25	70.00	1750.00
4	G.I.Nut Bolts	Kg.	20	112.00	2240.00
	Total:				36890.00

Sheet No.2

Cost data for Control cable 1 X 10 MVA S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 7Cx2.5 sq.mm.	mtr	125	199.00	24875.00
				TOTAL	24875.00

Sheet No.

3

Cost data for Clamps & Connectors at 1x 10 MVA, 3311 kv sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 33 KV Isolator	Nos.	24	1141.00	27384.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 33 KV C.T.	Nos.	6	1668.00	10008.00
5	Clamps for 33 KV V.C.B.	Nos.	6	2415.00	14490.00
				Total:	193632.00

Sheet No :

4

Cost data for Take off structure for 11 KV Feeders 3 outlets at 1x10 MVA,33/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 100 mm ²	Rmt.	150	70.00	10500.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	18	642.00	11556.00
b)	T-Connector for 100 sq mm conductor	Nos.	18	843.00	15174.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	331159.00

Sheet No.5

Cost data for Structure of 11 KV Main Bus at 1x10MVA, 33/11 KV Sub-Station (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
7	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
10	AAAC 100 mm ²	Rmt.	150	70.00	10500.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	T-Connector for 100 sq mm conductor	Nos.	12	843.00	10116.00
15	Miscellaneous material	LS	1	518.00	518.00
				Total:	279619.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0204

Cost data for Augmentation of 33/11 KV, 1x3.15 MVA to 1x5 MVA Power T/F (Outdoor)[if associated switch gear not available]

Sr.No.	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
1	Power Transformer 33/11 KV, 5 MVA	No	1	4525010.00	4525010.00
2	33 KV P.T.	Nos	3	24916.00	74748.00
3	33 kV C. T. (400-200/1-1-1)	Nos	3	33015.00	99045.00
4	33 KV VCB complete 1600 Amp (O.D.)	Set	1	247885.00	247885.00
5	33 KV Isolators with EB (800 A)	Set	1	69539.00	69539.00
6	33 KV Isolators without EB (800 Amp.)	Set	3	63643.00	190929.00
7	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
8	Structure for 33 KV CT & PT as per Sheet no.1	No	1	64960.00	64960.00
9	Control cables for S/S as per Sheet no.2	No.	1	119963.00	119963.00
10	Clamps and Connectors as per Sheet no.3	No.	1	217896.00	217896.00
11	C&R panel for 33 KV Transformer with 1 Amp. Relay	No	1	71641.00	71641.00

D	Cost of material		5764416.00
1	Erection cost on material	5.00%	288221
2	Contractor supervision charges on material	5.00%	288221
	Sub-Total		6340858
3	Contractor's Profit	5.00%	317043
	Sub-Total		6657900
4	Transportation on material	4.00%	230577
5	T&P on material cost	1.00%	57644
6	Contingencies on material	2.00%	115288
	Service Cost		14295752
	Sub-Total		7061410
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	14123
	Sub-Total		7075532
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	13090
9	Insurance	1.00%	70755
10	Turnkey Charges	0.00%	0
	Total		7159377

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	10109056	7159405
Total Cost of the Estimate	10109056	7159405

Sheet No.1

Cost data of Structure for 33 KV CT & PT at 1x5 MVA 33/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
	Total:				64960.00

Sheet No.2

Cost data for Control cable 1 X 5 MVA S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	125	474.00	59250.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	130	309.00	40170.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	55	125.00	6875.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	50	79.00	3950.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	100	92.00	9200.00
6	Miscellaneous material	L.S	1	518.00	518.00
	TOTAL				119963.00

Sheet No.

3

Cost data for Clamps & Connectors at 1x 5 MVA, 33/11 kv sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 33 KV Isolator	Nos.	24	1141.00	27384.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 33 KV C.T.	Nos.	6	1668.00	10008.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	6	2415.00	14490.00
				Total:	217896.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0205

Cost data for Augmentation of 33/11 KV, 2x3.15 MVA to 2x5 MVA Power T/F (Outdoor)[if associated switch gears available]

Sr.No.	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
1	Power Transformer 33/11 KV, 5 MVA	No	2	4525010.00	9050020.00
2	33 kv C. T. (400-200/1-1-1)	Nos	6	33015.00	198090.00
3	33 KV VCB complete 1600 Amp (O.D.)	Set	2	247885.00	495770.00
4	33 KV Lightning Arrestors (Station type)	Set	2	15253.00	30506.00
5	33 KV Isolators without EB (800 Amp.)	Set	4	63643.00	254572.00
6	33 KV Isolators with EB (800 A)	Set	1	69539.00	69539.00
6	L.As. 11 KV (Gapless type) with disconnector	Set	2	1531.00	3062.00
7	Clamps and Connectors as per Sheet no.5	No.	1	217896.00	217896.00
9	Control cables for S/S as per Sheet no.7	No.	2	119963.00	239926.00
10	Structure for 33 KV CT & PT as per Sheet no.3	No	2	64960.00	129920.00
11	Gantry Structure/Steel section for 33 KV Bus as per Sheet No.1	Nos	1	164080.35	164080.35
12	Earthing complete as per Sheet no.2	Set	1	298186.00	298186.00
13	11 kv 250 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Islators, C.T. & P.T. etc.	Set	1	1078087.00	1078087.00
14	Structure for 11 KV Main Bus as per Sheet no.6	No.	1	279619.00	279619.00
15	Take off structure for 3 outgoing feeder as per Sheet no.4	No.	1	331159.00	331159.00

D **Cost of material** **12840432.35**

1	Erection cost on material	5.00%	642022
2	Contractor supervision charges on material	5.00%	642022
	Sub-Total		14124476
3	Contractor's Profit	5.00%	706224
	Sub-Total		14830699
4	Transportation on material	4.00%	513617
5	T&P on material cost	1.00%	128404
6	Contingencies on material	2.00%	256809
	Service Cost		31844272
	Sub-Total		15729530
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	31459
	Sub-Total		15760989
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour ccess)	0.19%	29158
9	Insurance	1.00%	157610
10	Turnkey Charges	0.00%	0
	Total		15947756

9 Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor 880248

Total Cost of Estimate **16828004**

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	22518266	15947817
Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	1197137	880248
Total Cost of the Estimate	23715403	16828065

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Sheet No.1

Cost data for 33 KV Gantry M.S.Structure/Steel Section for 1x5 MVA S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(4 Nos.)-496.0 kg.	MT	1.984	65475.00	129902.40
2	Beam type HA(2 Nos.)-261.0 Kg.	MT	0.522	65475.00	34177.95
	Total:				164080.35

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.2

Cost data for Earthing Work at 1x 5 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	298186.00

Sheet No.3

Cost data of Structure for 33 KV CT & PT at 1x5 MVA 33/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet No :

4

Cost data for Take off structure for 11 KV Feeders 3 outlets at 1x5 MVA,33/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 100 mm ²	Rmt.	150	70.00	10500.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	18	642.00	11556.00
b)	T-Connector for 100 sq mm conductor	Nos.	18	843.00	15174.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	331159.00

Sheet No.

5

Cost data for Clamps & Connectors at 1x 5 MVA, 3311 kv sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 33 KV Isolator	Nos.	24	1141.00	27384.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 33 KV C.T.	Nos.	6	1668.00	10008.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	6	2415.00	14490.00
				Total:	217896.00

Sheet No.6

Cost data for Structure of 11 KV Main Bus at 1x5MVA, 33/11 KV Sub-Station (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
7	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
10	AAAC 100 mm2	Rmt.	150	70.00	10500.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	T-Connector for 100 sq mm conductor	Nos.	12	843.00	10116.00
15	Miscellaneous material	LS	1	518.00	518.00
				Total:	279619.00

Sheet No -

7

Cost data for Control cable 1 X 5 MVA S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	125	474.00	59250.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	130	309.00	40170.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	55	125.00	6875.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	50	79.00	3950.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	100	92.00	9200.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	119963.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0206

Cost data for Augmentation of 33/11 KV, 2x5 MVA to 2x10 MVA Power T/F (Outdoor)

Sr.No.	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
1	Power Transformer 33/11 KV, 10 MVA	No	2	8098196.00	16196392.00
2	C&R panel for 33 KV Transformer with Diff. Protection	No	2	78541.00	157082.00
3	AAAC 232 mm2	Mtr	300	162.00	48600.00
4	33 kv C. T. (400-200/1-1-1)	Nos	6	33015.00	198090.00
5	Clamps and Connectors as per Sheet no.1	No.	1	289032.00	289032.00
B	11 KV Side				
1	11 kv 250 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Islators, C.T. & P.T. etc.	Set	2	1078087.00	2156174.00
2	Take off structure for 3 outgoing feeder as per Sheet no.2	No.	2	356145.00	712290.00
3	Structure for 11 KV Main Bus as per Sheet no.3	No.	2	279619.00	559238.00
4	Armoured Copper control cable 7Cx2.5 sq.mm.	mtr	250	199.00	49750.00

D Cost of material 20366648.00

1	Erection cost on material	5.00%	1018332
2	Contractor supervision charges on material	5.00%	1018332
	Sub-Total		22403313
3	Contractor's Profit	5.00%	1120166
	Sub-Total		23523478
4	Transportation on material	4.00%	814666
5	T&P on material cost	1.00%	203666
6	Contingencies on material	2.00%	407333
	Service Cost		50509287
	Sub-Total		24949144
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	49898
	Sub-Total		24999042
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	46248
9	Insurance	1.00%	249990
10	Turnkey Charges	0.00%	0
	Total		25295281

Particulars	DPR Amount	Tender/ Estimate Amount
		75.37%
Cost with overheads on Material	35716991	25295377
Civil Works for NIFPS System (2 PTFs)	233050	171360
Total Cost of the Estimate	35950040	25466737

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Sheet No.

1

Cost data for Clamps & Connectors at 2x 10 MVA, 3311 kv sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 33 KV Isolator	Nos.	42	1141.00	47922.00
3	Connectors for T/F Bushing	Nos.	12	4350.00	52200.00
4	Clamps for 33 KV C.T.	Nos.	12	1668.00	20016.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	12	2415.00	28980.00
	Total:				289032.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No :

2

Cost data for Take off structure for 11 KV Feeders 3 outlets at 2x10 MVA,33/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	8	12493.00	99944.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 100 mm2	Rmt.	150	70.00	10500.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	18	642.00	11556.00
b)	T-Connector for 100 sq mm conductor	Nos.	18	843.00	15174.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	356145.00

Sheet No.3

Cost data for Structure of 11 KV Main Bus at 2x10MVA, 33/11 KV Sub-Station (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
7	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
10	AAAC 100 mm2	Rmt.	150	70.00	10500.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	T-Connector for 100 sq mm conductor	Nos.	12	843.00	10116.00
15	Miscellaneous material	LS	1	518.00	518.00
				Total:	279619.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0301

Cost data for 33/11 KV, 1x5 MVA Additional Power T/F (Outdoor) without Gantry structure

Sr.No.	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33 KV SIDE				
1	33 KV Lightning Arrestors (Station type)	Set	2	15253.00	30506.00
2	33 KV Isolators with EB (800 A)	Set	1	69539.00	69539.00
3	33 KV Isolators without EB (800 Amp.)	Set	3	63643.00	190929.00
4	33 KV Post Insulator	Nos	3	631.00	1893.00
5	Earthing complete as per sheet No. 1	Set	1	298186.00	298186.00
6	Power Transformer 33/11 KV, 5 MVA	No	1	4525010.00	4525010.00
7	33 kv C. T. (400-200/1-1-1)	Nos	3	33015.00	99045.00
8	33 KV VCB complete 1600 Amp (O.D.)	Set	1	247885.00	247885.00
9	C&R panel for 33 KV Transformer with 1 Amp. Relay	No	1	71641.00	71641.00
10	Structure for 33 KV CT as per Sheet no. 2	No	1	42910.00	42910.00
11	G.I.Nut Bolts	KG	100	112.00	11200.00
B	11 KV SIDE				
12	11 kv 250 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Islators, C.T. & P.T. etc.	Set	1	1078087.00	1078087.00
13	11 kv Pin Insulators with G.I. Pins	No	12	120.00	1440.00
14	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
15	Take off structure for 3 outgoing feeder as per Sheet no.3	No.	1	331159.00	331159.00
16	Clamps and Connectors as per Sheet no. 4	No.	1	212892.00	212892.00
17	Structure for 11 KV Main Bus as per Sheet no.5	No.	1	279619.00	279619.00
18	Control cables for S/S as per Sheet no.6	No.	1	119963.00	119963.00

D	Cost of material			7613435.00
1	Erection cost on material	5.00%		380672
2	Contractor supervision charges on material	5.00%		380672
	Sub-Total			8374779
3	Contractor's Profit	5.00%		418739
	Sub-Total			8793517
4	Transportation on material	4.00%		304537
5	T&P on material cost	1.00%		76134
6	Contingencies on material	2.00%		152269
	Service Cost			18881319
	Sub-Total			9326458
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%		18653
	Sub-Total			9345111
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%		17288
9	Insurance	1.00%		93451
10	Turnkey Charges	0.00%		0
	Total			9455850

9	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	No.	1	880247.60	880248
	Total Cost of Estimate				10336098

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	13351681	9455886
Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	1197137	880248
Total Cost of the Estimate	14548818	10336134

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for Earthing Work at 1x 5 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	298186.00

Sheet No.2

Cost data of Structure for 33 KV CT & LA at 1x5 MVA 33/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV CT	Kg.	360	70.00	25200.00
2	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
3	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
4	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	42910.00

Sheet No :

3

Cost data for Take off structure for 11 KV Feeders 3 outlets at 1x 5 MVA,33/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 100 mm ²	Rmt.	150	70.00	10500.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	18	642.00	11556.00
b)	T-Connector for 100 sq mm conductor	Nos.	18	843.00	15174.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	331159.00

Sheet No.

4

Cost data for Clamps & Connectors at 1x 5 MVA, 3311 kv sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 33 KV Isolator	Nos.	24	1141.00	27384.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 33 KV C.T.	Nos.	6	1668.00	10008.00
5	Clamps for 33 KV V.C.B.	Nos.	6	2415.00	14490.00
				Total:	212892.00

Sheet No.5

Cost data for Structure of 11 KV Main Bus at 1x 5 MVA, 33/11 KV Sub-Station (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
7	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
10	AAAC 100 mm2	Rmt.	150	70.00	10500.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	T-Connector for 100 sq mm conductor	Nos.	12	843.00	10116.00
15	Miscellaneous material	LS	1	518.00	518.00
				Total:	279619.00

Sheet No.6

Cost data for Control cable 1 X 5 MVA S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	125	474.00	59250.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	130	309.00	40170.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	55	125.00	6875.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	50	79.00	3950.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	100	92.00	9200.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	119963.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0302

Cost data for Additional 33/11 KV, 1x 10 MVA (Outdoor) without Gantry Structure

Sr.No.	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33 KV SIDE				
1	33 KV Lightning Arrestors (Station type)	Set	2	15253.00	30506.00
2	33 KV Isolators with EB (800 A)	Set	1	69539.00	69539.00
3	33 KV Isolators without EB (800 Amp.)	Set	3	63643.00	190929.00
4	33 KV Post Insulator	Nos	3	631.00	1893.00
5	Disc Insulator 11 KV 70 KN	Nos	18	326.00	5868.00
6	AAAC 232 mm2	MTR	200	162.00	32400.00
7	Strain Hardware for AAAC232 sq.mm.	Nos	6	693.00	4158.00
8	Earthing complete as per Sheet no.1	Set	1	298186.00	298186.00
9	Power Transformer 33/11 KV, 10 MVA	No	1	8098196.00	8098196.00
10	33 kv C. T. (400-200/1-1-1)	Nos	3	33015.00	99045.00
11	33 KV VCB complete 1600 Amp (O.D.)	Set	1	247885.00	247885.00
12	C&R panel for 33 KV Transformer with Diff. Protection	No	1	78541.00	78541.00
13	33 kv Pin Insulators with G.I. Pins	Nos	6	486.00	2916.00
14	Structure for 33 KV CT as per Sheet no.2	No	1	42910.00	42910.00
15	G.I.Nut Bolts	KG	150	112.00	16800.00
B	11 KV SIDE				
16	11 kv 250 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Islators, C.T. & P.T. etc.	Set	1	1078087.00	1078087.00
17	11 kv Pin Insulators with G.I. Pins	No	12	120.00	1440.00
18	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
19	Take off structure for 3 outgoing feeder as per Sheet no.3	No.	1	414115.00	414115.00
20	Clamps and Connectors as per Sheet no.4	No.	1	218412.00	218412.00
21	Structure for 11 KV Main Bus as per Sheet no.5	No.	1	341191.00	341191.00
22	Control cables for S/S as per Sheet no.6	No.	1	119963.00	119963.00
23	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

Cost of material

11418836.00

1	Erection cost on material	5.00%	570942
2	Contractor supervision charges on material	5.00%	570942
	Sub-Total		12560720
3	Contractor's Profit	5.00%	628036
	Sub-Total		13188756
4	Transportation on material	4.00%	456753
5	T&P on material cost	1.00%	114188
6	Contingencies on material	2.00%	228377
	Service Cost		28318713
	Sub-Total		13988074
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	27976
	Sub-Total		14016050
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	25930
9	Insurance	1.00%	140161
10	Turnkey Charges	0.00%	0
	Total		14182140

9	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	No.	1	880247.60	880248
	Total Cost of Estimate				15062388

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	20025213	14182194
Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	1197137	880248
Civil Works for NIFPS System	233050	171360
Total Cost of the Estimate	21455399	15233802

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for Earthing Work at 1x 10 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	298186.00

Sheet No.2

Cost data of Structure for 33 KV CT & PT at 1x10 MVA 33/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV CT	Kg.	360	70.00	25200.00
2	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
3	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
4	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	42910.00

Sheet No :

3

Cost data for Take off structure for 11 KV Feeders 3 outlets at 1x10 MVA,33/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for AAAC232 sq.mm.	Nos.	36	693.00	24948.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 232 mm2	Rmt.	150	162.00	24300.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	PANTHER TO PANTHER or equivalent AAAC	Nos.	18	826.00	14868.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	18	3855.00	69390.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	414115.00

Sheet No.

4

Cost data for Clamps & Connectors at 1x 10 MVA, 3311 kv sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	PANTHER TO PANTHER or equivalent AAAC	Nos.	30	826.00	24780.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 33 KV Isolator	Nos.	24	1141.00	27384.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 33 KV C.T.	Nos.	6	1668.00	10008.00
5	Clamps for 33 KV V.C.B.	Nos.	6	2415.00	14490.00
				Total:	218412.00

Sheet No.5

Cost data for Structure of 11 KV Main Bus at 1x10MVA, 33/11 KV Sub-Station (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for AAAC232 sq.mm.	Nos.	36	693.00	24948.00
7	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
10	AAAC 232 mm2	Rmt.	150	162.00	24300.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	T-Connector for 200 sq mm conductor(Compression type)	Nos.	12	3855.00	46260.00
15	Miscellaneous material	LS	1	518.00	518.00
				Total:	341191.00

Sheet No.6

Cost data for Control cable 1 X 10 MVA S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	125	474.00	59250.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	130	309.00	40170.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	55	125.00	6875.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	50	79.00	3950.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	100	92.00	9200.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	119963.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0301A

Cost data for 33/11 KV, 1x5 MVA Additional Power T/F (Outdoor) with Gantry structure for 33 KV bus

Sr.No.	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33 KV SIDE				
1	33 KV Lightning Arrestors (Station type)	Set	2	15253.00	30506.00
2	33 KV Isolators with EB (800 A)	Set	1	69539.00	69539.00
3	33 KV Isolators without EB (800 Amp.)	Set	3	63643.00	190929.00
4	33 KV Post Insulator	Nos	3	631.00	1893.00
5	Disc Insulator 11 KV 70 KN	Nos	18	326.00	5868.00
6	AAAC 232 mm2	MTR	200	162.00	32400.00
7	Strain Hardware for AAAC232 sq.mm.	Nos	6	693.00	4158.00
8	Earthing complete as per sheet No. 1	Set	1	298186.00	298186.00
9	Power Transformer 33/11 KV, 5 MVA	No	1	4525010.00	4525010.00
10	33 kv C. T. (400-200/1-1-1)	Nos	3	33015.00	99045.00
11	33 KV VCB complete 1600 Amp (O.D.)	Set	1	247885.00	247885.00
12	C&R panel for 33 KV Transformer with 1 Amp. Relay	No	1	71641.00	71641.00
13	Structure for 33 KV CT as per Sheet no. 2	No	1	42910.00	42910.00
14	Gantry Structure/Steel section for 33 KV Bus as per Sheet No.7	Nos	1	164080.35	164080.35
15	33 kv Pin Insulators with G.I. Pins	Nos	6	486.00	2916.00
16	G.I.Nut Bolts	KG	100	112.00	11200.00
17	Fire Extinguisher with stand 9 Kg.	Set	L.S	4830.00	4830.00
B	11 KV SIDE				
18	11 kv 250 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Islators, C.T. & P.T. etc.	Set	1	1078087.00	1078087.00
19	11 kv Pin Insulators with G.I. Pins	No	12	120.00	1440.00
20	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
21	Take off structure for 3 outgoing feeder as per Sheet no.3	No.	1	331159.00	331159.00
22	Clamps and Connectors as per Sheet no. 4	No.	1	212892.00	212892.00
23	Structure for 11 KV Main Bus as per Sheet no.5	No.	1	279619.00	279619.00
24	Control cables for S/S as per Sheet no.6	No.	1	119963.00	119963.00

D	Cost of material			7827687.35
1	Erection cost on material	5.00%		391384
2	Contractor supervision charges on material	5.00%		391384
	Sub-Total			8610456
3	Contractor's Profit	5.00%		430523
	Sub-Total			9040979
4	Transportation on material	4.00%		313107
5	T&P on material cost	1.00%		78277
6	Contingencies on material	2.00%		156554
	Service Cost			19412665
	Sub-Total			9588917
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%		19178
	Sub-Total			9608095
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%		17775
9	Insurance	1.00%		96081
10	Turnkey Charges	0.00%		0
	Total			9721951

9	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	No.	1	880247.60	880248
	Total Cost of Estimate				10602198

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	13727415	9721988
Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	1197137	880248
Total Cost of the Estimate	14924552	10602235

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for Earthing Work at 1x 5 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	298186.00

Sheet No.2

Cost data of Structure for 33 KV CT & LA at 1x5 MVA 33/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV CT	Kg.	360	70.00	25200.00
2	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
3	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
4	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	42910.00

Sheet No :

3

Cost data for Take off structure for 11 KV Feeders 3 outlets at 1x 5 MVA,33/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 100 mm2	Rmt.	150	70.00	10500.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	18	642.00	11556.00
b)	T-Connector for 100 sq mm conductor	Nos.	18	843.00	15174.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	331159.00

Sheet No.

4

Cost data for Clamps & Connectors at 1x 5 MVA, 3311 kv sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 33 KV Isolator	Nos.	24	1141.00	27384.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 33 KV C.T.	Nos.	6	1668.00	10008.00
5	Clamps for 33 KV V.C.B.	Nos.	6	2415.00	14490.00
				Total:	212892.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.5

Cost data for Structure of 11 KV Main Bus at 1x 5 MVA, 33/11 KV Sub-Station (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
7	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
10	AAAC 100 mm2	Rmt.	150	70.00	10500.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	T-Connector for 100 sq mm conductor	Nos.	12	843.00	10116.00
15	Miscellaneous material	LS	1	518.00	518.00
				Total:	279619.00

Sheet No.6

Cost data for Control cable 1 X 5 MVA S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	125	474.00	59250.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	130	309.00	40170.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	55	125.00	6875.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	50	79.00	3950.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	100	92.00	9200.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	119963.00

Sheet No.7

Cost data for 33 KV Gantry M.S. Structure/Steel Section for 1x 5 MVA &1x10 MVA 33/11 kv S/S (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(4 Nos.)-496.0 kg.	MT	1.984	65475.00	129902.40
2	Beam type HA(2 Nos.)-261.0 Kg.	MT	0.522	65475.00	34177.95
				Total:	164080.35

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0302A

Cost data for Additional 33/11 KV, 1x 10 MVA (Outdoor) with Gantry structure for 33 KV bus.

Sr.No.	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33 KV SIDE				
1	33 KV Lightning Arrestors (Station type)	Set	2	15253.00	30506.00
2	33 KV Isolators with EB (800 A)	Set	1	69539.00	69539.00
3	33 KV Isolators without EB (800 Amp.)	Set	3	63643.00	190929.00
4	33 KV Post Insulator	Nos	3	631.00	1893.00
5	Gantry Structure/Steel section for 33 KV Bus as per Sheet No.1	Nos	1	164080.35	164080.35
6	Disc Insulator 11 KV 70 KN	Nos	18	326.00	5868.00
7	AAAC 232 mm2	MTR	200	162.00	32400.00
8	Strain Hardware for AAAC232 sq.mm.	Nos	6	693.00	4158.00
9	Earthing complete as per Sheet no.2	Set	1	298186.00	298186.00
10	Power Transformer 33/11 KV, 10 MVA	No	1	8098196.00	8098196.00
11	33 kv C. T. (400-200/1-1-1)	Nos	3	33015.00	99045.00
12	33 KV VCB complete 1600 Amp (O.D.)	Set	1	247885.00	247885.00
13	C&R panel for 33 KV Transformer with Diff. Protection	No	1	78541.00	78541.00
14	33 kv Pin Insulators with G.I. Pins	Nos	6	486.00	2916.00
15	Structure for 33 KV CT & LA as per Sheet no.3	No	1	42910.00	42910.00
16	G.I.Nut Bolts	KG	150	112.00	16800.00
17	Fire Extinguisher with stand 9 Kg.	Set	L.S	4830.00	4830.00
B	11 KV SIDE				
18	11 kv 250 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Isulators, C.T. & P.T. etc.	Set	1	1078087.00	1078087.00
19	11 kv Pin Insulators with G.I. Pins	No	12	120.00	1440.00
20	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
21	Take off structure for 3 outgoing feeder as per Sheet no.4	No.	1	414115.00	414115.00
22	Clamps and Connectors as per Sheet no.5	No.	1	218412.00	218412.00
23	Structure for 11 KV Main Bus as per Sheet no.6	No.	1	341191.00	341191.00
24	Control cables for S/S as per Sheet no.7	No.	1	119963.00	119963.00
25	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

Cost of material

11587746.35

1	Erection cost on material	5.00%	579387
2	Contractor supervision charges on material	5.00%	579387
	Sub-Total		12746521
3	Contractor's Profit	5.00%	637326
	Sub-Total		13383847
4	Transportation on material	4.00%	463510
5	T&P on material cost	1.00%	115877
6	Contingencies on material	2.00%	231755
	Service Cost		28737611
	Sub-Total		14194989
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	28390
	Sub-Total		14223379
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	26313
9	Insurance	1.00%	142234
10	Turnkey Charges	0.00%	0

Total

14391926

9	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	No.	1	880247.60	880248
	Total Cost of Estimate				15272174

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	20321431	14391981
Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	1197137	880248
Civil Works For NIFPS System	233050	171360
Total Cost of the Estimate	21751617	15443589

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for 33 KV Gantry M.S.Structure/Steel Section for 1x10 MVA S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(4 Nos.)-496.0 kg.	MT	1.984	65475.00	129902.40
2	Beam type HA(2 Nos.)-261.0 Kg.	MT	0.522	65475.00	34177.95
				Total:	164080.35

Sheet No.2

Cost data for Earthing Work at 1x 10 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	298186.00

Sheet No.3

Cost data of Structure for 33 KV CT & LA at 1x5 MVA 33/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV CT	Kg.	360	70.00	25200.00
2	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
3	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
4	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	42910.00

Sheet No :

4

Cost data for Take off structure for 11 KV Feeders 3 outlets at 1x5 MVA,33/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for AAAC232 sq.mm.	Nos.	36	693.00	24948.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 232 mm2	Rmt.	150	162.00	24300.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	PANTHER TO PANTHER or equivalent AAAC	Nos.	18	826.00	14868.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	18	3855.00	69390.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	414115.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.
5

Cost data for Clamps & Connectors at 1x 5 MVA, 3311 kv sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	PANTHER TO PANTHER or equivalent AAAC	Nos.	30	826.00	24780.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 33 KV Isolator	Nos.	24	1141.00	27384.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 33 KV C.T.	Nos.	6	1668.00	10008.00
5	Clamps for 33 KV V.C.B.	Nos.	6	2415.00	14490.00
				Total:	218412.00

Sheet No.6

Cost data for Structure of 11 KV Main Bus at 1x5MVA, 33/11 KV Sub-Station (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for AAAC232 sq.mm.	Nos.	36	693.00	24948.00
7	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
10	AAAC 232 mm2	Rmt.	150	162.00	24300.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	T-Connector for 200 sq mm conductor(Compression type)	Nos.	12	3855.00	46260.00
15	Miscellaneous material	LS	1	518.00	518.00
				Total:	341191.00

Sheet No.7

Cost data for Control cable 1 X 5 MVA S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	125	474.00	59250.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	130	309.00	40170.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	55	125.00	6875.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	50	79.00	3950.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	100	92.00	9200.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	119963.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.0301B

Cost data for 33/11 KV, 1x5 MVA Additional Power T/F, 33 kV Outdoor, 11 kV Indoor, without Gantry structure

Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33 KV SIDE				
1	33 KV Lightning Arrestors (Station type)	Set	2	15253.00	30506.00
2	33 KV Isolators with EB (800 A)	Set	1	69539.00	69539.00
3	33 KV Isolators without EB (800 Amp.)	Set	3	63643.00	190929.00
4	33 KV Post Insulator	Nos	3	631.00	1893.00
5	Disc Insulator 11 KV 70 KN	Nos	18	326.00	5868.00
6	AAAC 232 mm2	MTR	200	162.00	32400.00
7	Strain Hardware for AAAC232 sq.mm.	Nos	6	693.00	4158.00
8	Earthing complete as per Sheet no.1	Set	1	337963.00	337963.00
9	Power Transformer 33/11 KV, 5 MVA	No	1	4525010.00	4525010.00
10	33 KV P.T.	Nos	3	24916.00	74748.00
11	33 kv C. T. (400-200/1-1-1)	Nos	3	33015.00	99045.00
12	33 KV VCB complete 1600 Amp (O.D.)	Set	1	247885.00	247885.00
13	C&R panel for 33 KV Transformer with 1 Amp. Relay	No	1	71641.00	71641.00
14	33 kv Pin Insulators with G.I. Pins	Nos	6	486.00	2916.00
15	Structure for 33 KV CT & LA as per Sheet no.2	No	1	42910.00	42910.00
16	G.I.Nut Bolts	KG	150	112.00	16800.00
17	Marshalling Box	No.	1	5783.00	5783.00
18	Clamps and Connectors as per Sheet no.3	No.	1	314286.00	314286.00
B	11 KV SIDE				
19	11kV I D switchgear (1 l/c+1 B/c+4O/G)	Set	1	2154320.00	2154320.00
20	XLPE Cable 11 KV, 3 C / 300 mm sq.	MTR	300	1498.00	449400.00
21	11 kV heat shrinkable Indoor termination joint kit for 3 C X 300 sqmm	No.	4	1728.00	6912.00
22	Control cables for S/S as per Sheet no.4	No.	1	119963.00	119963.00
23	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

D Cost of material 8829200.00

1	Erection cost on material	5.00%	441460
2	Contractor supervision charges on material	5.00%	441460
	Sub-Total		9712120
3	Contractor's Profit	5.00%	485606
	Sub-Total		10197726
4	Transportation on material	4.00%	353168
5	T&P on material cost	1.00%	88292
6	Contingencies on material	2.00%	176584
	Service Cost		21896416
	Sub-Total		10815770
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	21632
	Sub-Total		10837402
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	20049
9	Insurance	1.00%	108374
10	Turnkey Charges	0.00%	0

Total 10965825

9	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	880248
	Total Cost of Estimate	11846072

Particulars	DPR Amount	Tender/ Estimate Amount
	Cost with overheads on Material	75.37%
Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	1197137	880248
Total Cost of the Estimate	16680905	11846114

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for Earthing Work at 1x 5 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	G.I.Flat 50 x 6 mm	Kg.	1500	90.00	135000.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries such as N/B, Washers, Welding etc.	L.S.	1	3163.00	3163.00
				Total:	337963.00

Sheet No.2

Cost data of Structure for 33 KV CT & LA at 1x5 MVA, 33/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV CT	Kg.	360	70.00	25200.00
2	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
3	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
4	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	42910.00

Sheet No.3

Cost data for Clamps & Connectors at 1x5 MVA, 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	T-Connector for 200 sq mm conductor(Compression type)	Nos.	60	3855.00	231300.00
2	Clamps for 33 KV Isolator	Nos.	24	1141.00	27384.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 33 KV C.T.	Nos.	6	1668.00	10008.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	6	2415.00	14490.00
				Total:	314286.00

Sheet No.4

Cost data for Control cable 1 X 5 MVA, 33/11KV S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	125	474.00	59250.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	130	309.00	40170.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	55	125.00	6875.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	50	79.00	3950.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	100	92.00	9200.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	119963.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.0302B

Cost data for 33/11 KV, 1x10 MVA Additional Power T/F, 33 kV Outdoor, 11 kV Indoor, without Gantry structure

Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33 KV SIDE				
1	33 KV Lightning Arrestors (Station type)	Set	2	15253.00	30506.00
2	33 KV Isolators with EB (800 A)	Set	1	69539.00	69539.00
3	33 KV Isolators without EB (800 Amp.)	Set	3	63643.00	190929.00
4	33 KV Post Insulator	Nos	3	631.00	1893.00
5	Disc Insulator 11 KV 70 KN	Nos	18	326.00	5868.00
6	AAAC 232 mm2	MTR	200	162.00	32400.00
7	Strain Hardware for AAAC232 sq.mm.	Nos	6	693.00	4158.00
8	Earthing complete as per Sheet no.1	Set	1	298186.00	298186.00
9	Power Transformer 33/11 KV, 10 MVA	No	1	8098196.00	8098196.00
10	33 KV P.T.	Nos	3	24916.00	74748.00
11	33 kv C. T. (400-200/1-1-1)	Nos	3	33015.00	99045.00
12	33 KV VCB complete 1600 Amp (O.D.)	Set	1	247885.00	247885.00
13	C&R panel for 33 KV Transformer with Diff. Protection	No	1	78541.00	78541.00
14	33 kv Pin Insulators with G.I. Pins	Nos	6	486.00	2916.00
15	Structure for 33 KV CT & LA as per Sheet no.2	No	1	42910.00	42910.00
16	G.I.Nut Bolts	KG	150	112.00	16800.00
17	Marshalling Box	No.	1	5783.00	5783.00
18	Clamps and Connectors as per Sheet no.3	No.	1	314286.00	314286.00
B	11 KV SIDE				
19	11kV I D switchgear (1 I/c+1 B/c+4O/G)	Set	1	2154320.00	2154320.00
20	XLPE Cable 11 KV, 3 C / 300 mm sq.	MTR	300	1498.00	449400.00
21	11 kV heat shrinkable Indoor termination joint kit for 3 C X 300 sqmm	No.	4	1728.00	6912.00
22	Control cables for S/S as per Sheet no.4	No.	1	119963.00	119963.00
23	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

D Cost of material 13269509.00

1	Erection cost on material	5.00%	618475
2	Contractor supervision charges on material	5.00%	618475
	Sub-Total		13606460
3	Contractor's Profit	5.00%	680323
	Sub-Total		14286783
4	Transportation on material	4.00%	494780
5	T&P on material cost	1.00%	123695
6	Contingencies on material	2.00%	247390
	Service Cost		30676382
	Sub-Total		15152649
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	30305
	Sub-Total		15182954
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	28088
9	Insurance	1.00%	151830
10	Turnkey Charges	0.00%	0

Total 15362872

9	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	880248
	Total Cost of Estimate	16243119

Particulars	DPR Amount	Tender/ Estimate Amount
	Cost with overheads on Material	75.37%
Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	21692408	15362930
Civil works for NFIPS System	1197137	880248
Total Cost of the Estimate	233050	171360
	23122594	16414538

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for Earthing Work at 1x 5 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	298186.00

Sheet No.2

Cost data of Structure for 33 KV CT & LA at 1x5 MVA, 33/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV CT	Kg.	360	70.00	25200.00
2	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
3	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
4	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	42910.00

Sheet No.3

Cost data for Clamps & Connectors at 1x5 MVA, 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	T-Connector for 200 sq mm conductor(Compression type)	Nos.	60	3855.00	231300.00
2	Clamps for 33 KV Isolator	Nos.	24	1141.00	27384.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 33 KV C.T.	Nos.	6	1668.00	10008.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	6	2415.00	14490.00
				Total:	314286.00

Sheet No.4

Cost data for Control cable 1 X 5 MVA, 33/11KV S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	125	474.00	59250.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	130	309.00	40170.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	55	125.00	6875.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	50	79.00	3950.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	100	92.00	9200.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	119963.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 301C

Cost data for Additional 33/22 KV, 1x 5 MVA (Outdoor)

Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
1	33 KV Lightning Arrestors (Station type)	Set	1	15253.00	15253.00
2	33 KV VCB complete 1600 Amp (O.D.)	No	1	247885.00	247885.00
3	33 kV C. T. (400-200/1-1-1)	No	3	33015.00	99045.00
4	33 KV Isolators without EB (800 Amp.)	Set	2	63643.00	127286.00
5	Power Transformer 33/22 KV 5 MVA	No	1	4762454.00	4762454.00
6	Earthing complete as per Sheet no.4	Set	1	298186.00	298186.00
7	C&R panel for 33 KV Transformer with 1 Amp. Relay	Set	1	71641.00	71641.00
8	G.I.Nut Bolts	Kg	20	112.00	2240.00
9	Marshalling Box	No	1	5783.00	5783.00
10	Fire Extinguisher with stand 9 Kg.	Set	1	4830.00	4830.00
11	Structure for 33 KV CT/LA/Post Insulator as per Table No 1	No	1	42910.00	42910.00

22KV SIDE

1	22 kv 500 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Islators, C.T. & P.T. etc.	Set	1	1633045.00	1633045.00
2	22 KV Lightning Arrestors (Station type)	Set	1	13866.00	13866.00
3	22 kV Pin Insulators with G.I. Pins	No	12	406.00	4872.00
4	Clamps and Connectors as per Table No 2	No	1	212892.00	212892.00
5	Control Cables as per Table No 3	No	1	119963.00	119963.00
6	Take off structure for 3 outgoing feeder as per Sheet no.5	No.	1	267122.08	331159.00
7	Structure for 11 KV Main Bus as per Sheet no.6	No.	1	215501.27	279619.00
TOTAL COST OF MATERIAL					8272929.00

1	Erection cost on material	5.00%	413646
2	Contractor supervision charges on material	5.00%	413646
Sub-Total			9100222
3	Contractor's Profit	5.00%	455011
Sub-Total			9555233
4	Transportation on material	4.00%	330917
5	T&P on material cost	1.00%	82729
6	Contingencies on material	2.00%	165459
Service Cost			20516864
Sub-Total			10134338
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	20269
Sub-Total			10154607
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	18786
9	Insurance	1.00%	101546
10	Turnkey Charges	0.00%	0
Total			10274939

9	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor		880248
Total Cost of Estimate			11155186

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	14508236	10274978
Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	1197137	880248
Total Cost of the Estimate	15705372	11155225

Sheet No.1

Cost data of Structure for 33 KV CT & LA at 1x5 MVA 33/22 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV CT	Kg.	360	70.00	25200.00
2	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
3	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
4	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	42910.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.

2

Cost data for Clamps & Connectors at 1x 5 MVA, 33/22 kv sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 33 KV Isolator	Nos.	24	1141.00	27384.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 33 KV C.T.	Nos.	6	1668.00	10008.00
5	Clamps for 33 KV V.C.B.	Nos.	6	2415.00	14490.00
				Total:	212892.00

Sheet No -

3

Cost data for Control cable 1 X 5 MVA S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	125	474.00	59250.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	130	309.00	40170.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	55	125.00	6875.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	50	79.00	3950.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	100	92.00	9200.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	119963.00

Sheet No.4

Cost data for Earthing Work at 1x 5 MVA at 33/22 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	298186.00

Sheet No :

5

Cost data for Take off structure for 11 KV Feeders 3 outlets at 1x5 MVA,33/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 100 mm2	Rmt.	150	70.00	10500.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	18	642.00	11556.00
b)	T-Connector for 100 sq mm conductor	Nos.	18	843.00	15174.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	331159.00

Sheet No.6

Cost data for Structure of 11 KV Main Bus at 1x5MVA, 33/11 KV Sub-Station (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
7	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
10	AAAC 100 mm ²	Rmt.	150	70.00	10500.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	T-Connector for 100 sq mm conductor	Nos.	12	843.00	10116.00
15	Miscellaneous material	LS	1	518.00	518.00
				Total:	279619.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 302C

Cost data for Additional 33/22 KV, 1x 10 MVA (Outdoor)

Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
1	33 KV Lightning Arrestors (Station type)	Set	1	15253.00	15253.00
2	33 KV VCB complete 1600 Amp (O.D.)	No	1	247885.00	247885.00
3	33 kV C. T. (400-200/1-1-1)	No	3	33015.00	99045.00
4	33 KV Isolators without EB (800 Amp.)	Set	2	63643.00	127286.00
5	Power Transformer 33/22 KV 10 MVA	No	1	8659295.00	8659295.00
6	Earthing complete as per Sheet no.4	Set	1	298186.00	298186.00
7	C&R panel for 33 KV Transformer with Diff. Protection	Set	1	78541.00	78541.00
8	G.I.Nut Bolts	Kg	20	112.00	2240.00
9	Marshalling Box	No	1	5783.00	5783.00
10	Fire Extinguisher with stand 9 Kg.	Set	1	4830.00	4830.00
11	Structure for 33 KV CT/LA/Post Insulator as per Table No 1	No	1	42910.00	42910.00

22KV SIDE

1	22 kv 500 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Islators, C.T. & P.T. etc.	Set	1	1633045.00	1633045.00
2	22 KV Lightning Arrestors (Station type)	Set	1	13866.00	13866.00
3	22 kV Pin Insulators with G.I. Pins	No	12	406.00	4872.00
4	Clamps and Connectors as per Table No 2	No	1	212892.00	212892.00
5	Control Cables as per Table No 3	No	1	119963.00	119963.00
6	Take off structure for 3 outgoing feeder as per Sheet no.5	No.	1	267122.08	331159.00
7	Structure for 11 KV Main Bus as per Sheet no.6	No.	1	215501.27	279619.00
TOTAL COST OF MATERIAL					12176670.00

1	Erection cost on material	5.00%	608834
2	Contractor supervision charges on material	5.00%	608834
Sub-Total			13394337
3	Contractor's Profit	5.00%	669717
Sub-Total			14064054
4	Transportation on material	4.00%	487067
5	T&P on material cost	1.00%	121767
6	Contingencies on material	2.00%	243533
Service Cost			30198142
Sub-Total			14916421
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	29833
Sub-Total			14946254
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	27651
9	Insurance	1.00%	149463
10	Turnkey Charges	0.00%	0
Total			15123367

9	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor		880248
Total Cost of Estimate			16003614

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	21354226	15123424
Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	1197137	880248
Civil works for NFIPS System	233050	171360
Total Cost of the Estimate	22784413	16175032

Sheet No.1

Cost data of Structure for 33 KV CT & PT at 1x10 MVA 33/22 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV CT	Kg.	360	70.00	25200.00
2	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
3	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
4	G.I.Nut Bolts	Kg.	30	112.00	3360.00
Total:					42910.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.

2

Cost data for Clamps & Connectors at 1x 10 MVA, 33/22 kv sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 33 KV Isolator	Nos.	24	1141.00	27384.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 33 KV C.T.	Nos.	6	1668.00	10008.00
5	Clamps for 33 KV V.C.B.	Nos.	6	2415.00	14490.00
				Total:	212892.00

Sheet No -

3

Cost data for Control cable 1 X 10 MVA S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	125	474.00	59250.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	130	309.00	40170.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	55	125.00	6875.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	50	79.00	3950.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	100	92.00	9200.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	119963.00

Sheet No.4

Cost data for Earthing Work at 1x 10 MVA at 33/22 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	298186.00

Sheet No :

5

Cost data for Take off structure for 11 KV Feeders 3 outlets at 1x5 MVA,33/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 100 mm2	Rmt.	150	70.00	10500.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	18	642.00	11556.00
b)	T-Connector for 100 sq mm conductor	Nos.	18	843.00	15174.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	331159.00

Sheet No.6

Cost data for Structure of 11 KV Main Bus at 1x5MVA, 33/11 KV Sub-Station (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
7	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
10	AAAC 100 mm ²	Rmt.	150	70.00	10500.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	T-Connector for 100 sq mm conductor	Nos.	12	843.00	10116.00
15	Miscellaneous material	LS	1	518.00	518.00
				Total:	279619.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0401

Cost data for 22/11 KV, 1x5 MVA Substation (Outdoor)

Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	22 KV SIDE				
1	22 KV Lightning Arrestors (Station type)	Set	2	13866.00	27732.00
2	22 KV Isolators with EB (800 A)	Set	1	52349.00	52349.00
3	22 KV Isolators without EB (800 Amp.)	Set	3	44957.00	134871.00
4	22 KV Post Insulator	Nos	3	498.00	1494.00
5	Gantry Structure/Steel section for 22 KV Bus as per Sheet No.1	Nos	1	164080.35	164080.35
6	Disc Insulator 11 KV 70 KN	Nos	18	326.00	5868.00
7	AAAC 232 mm2	MTR	200	162.00	32400.00
8	Strain Hardware for AAAC232 sq.mm.	Nos	6	693.00	4158.00
9	Earthing complete as per Sheet no.2	Set	1	298186.00	298186.00
10	Power Transformer 22/11 KV, 5 MVA (DY-11)	No	1	4908235.00	4908235.00
11	22 KV P.T.	Nos	3	23569.00	70707.00
12	22 KV C.T. Three core.	Nos	3	32999.00	98997.00
13	22 KV VCB complete 1600 Amp (O.D.)	Set	1	227194.00	227194.00
14	C&R panel for 22 KV Transformer with 1 A relay	No	1	95551.00	95551.00
15	22 kV Pin Insulators with G.I. Pins	Nos	6	406.00	2436.00
16	Structure for 22 KV CT & PT as per Sheet no.3	No	1	64960.00	64960.00
17	G.I.Nut Bolts	KG	150	112.00	16800.00
18	Fire Extinguisher with stand 9 Kg.	Set	L.S	4830.00	4830.00
B	11 KV SIDE				
19	11 kv 250 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Islators, C.T. & P.T. etc.	Set	1	1078087.00	1078087.00
20	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
21	Take off structure for 3 outgoing feeder as per Sheet no.4	No.	1	331159.00	331159.00
22	11 kV Pin Insulators with G.I. Pins	No.	12	120.00	1440.00
23	Clamps and Connectors as per Sheet no.5	No.	1	210951.00	210951.00
24	Structure for 11 KV Main Bus as per Sheet no.6	No.	1	279619.00	279619.00
25	S/S Yard lighting as per Sheet no.7	No.	1	178380.00	178380.00
26	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
27	11/0.43 KV x 100 KVA station Transformer as per Sheet no.8.	No.	1	268853.40	268853.40
28	Control cables for S/S as per Sheet no.9	No.	1	119963.00	119963.00
29	AC Distribution Board 'B' type	No.	1	24325.00	24325.00
D	Cost of material				8787956.75

1	Erection cost on material	5.00%	439398
2	Contractor supervision charges on material	5.00%	439398
	Sub-Total		9666752
3	Contractor's Profit	5.00%	483338
	Sub-Total		10150090
4	Transportation on material	4.00%	351518
5	T&P on material cost	1.00%	87880
6	Contingencies on material	2.00%	175759
	Service Cost		21794133
	Sub-Total		10765247
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	21530
	Sub-Total		10786778
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	19956
9	Insurance	1.00%	107868
10	Turnkey Charges	0.00%	0
	Total		10914601
9	Civil works	No.	1
	Total Cost of Estimate		21173085

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	15411440	10914642
Civil works	13951539	10258485
Total Cost of the Estimate	29362979	21173127

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for 22 KV Gantry M.S.structure/steel section for 1x5 MVA Sub stn. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(4 Nos.)-496.0 kg.	MT	1.984	65475.00	129902.40
2	Beam type HA(2 Nos.)-261.0 Kg.	MT	0.522	65475.00	34177.95
				Total:	164080.35

Sheet No.2

Cost data for Earthing Work at 1x5 MVA at 22/11 KV sub stn. (outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	298186.00

Sheet No.3

Cost data of Structure for 22 KV CT & PT at 1x5 MVA 22/11 KV Sub Stn.(Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 22 KV PT	Kg.	315	70.00	22050.00
2	Structure for 22 KV CT	Kg.	360	70.00	25200.00
3	Structure for 22 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet No :

4

Cost data for Take off structure for 11 KV Feeders 3 outlets at 1x5 MVA 22/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 100 mm2	Rmt.	150	70.00	10500.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	18	642.00	11556.00
b)	T-Connector for 100 sq mm conductor	Nos.	18	843.00	15174.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	331159.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.

5

Cost data for Clamps & Connectors at 1x5 MVA 22/11 kv sub strn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 22 KV Isolator	Nos.	18	1173.00	21114.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 22 KV C.T.	Nos.	6	1639.00	9834.00
5	Clamps for 22 KV P.T.	Nos.	3	1639.00	4917.00
6	Clamp for 22 KV VCB	Nos.	6	2346.00	14076.00
		Total:			210951.00

Sheet No.6

Cost data for Structure of 11 KV Main Bus at 1x5MVA, 22/11 KV Sub-Station (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
7	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
10	AAAC 100 mm ²	Rmt.	150	70.00	10500.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	T-Connector for 100 sq mm conductor	Nos.	12	843.00	10116.00
15	Miscellaneous material	LS	1	518.00	518.00
		Total:			279619.00

Sheet No.7

Cost data for Yard Lighting of 1 x5 MVA , 22/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt.	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cmt.	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
		Total:			178380.00

Sheet No.8

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 1x5 MVA 22/11 KV sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
7	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
8	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
9	11 kV Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
10	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	10	275.00	2750.00
11	L.T. XLPE armoured cable 3 1/2 C 50 sq.mm.	Rmt.	50	207.00	10350.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
		Total:			268853.40

Sheet No.9

Cost data for Control cable 1 X5 MVA 22/11 KV Sub.Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	125	474.00	59250.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	130	309.00	40170.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	55	125.00	6875.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	50	79.00	3950.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	100	92.00	9200.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	119963.00

C Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A)	347011.5
2	Control room (As per table B) outdoor	3066043.5
3	Store room of size 8.0m X 6.0 m (As per table C)	965146.6
4	Sanitary Water supply	0
5	Electrification (Lumsum)	142595.2425
6	WBM Road (As per table D)	583925
7	Chain link fencing and Bar bed wire fencing (As per table E)	2023680.78
8	Metal Spreading (As per table F)	202203.5
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (1+3 Bay) + Stn Trans. (As table G) Outdoor	1002132.05
10	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	0
11	10 MVA Power Transformer Plinth Foundation (as per table G2)	0
12	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Outdoor	0
13	Water Supply arrangement for C/Room and Switch Yard.(As per table H)	76609
14	Borewell including pumpset and allied accessories. (As per table I)	114783
15	Const.of cable trench with covers in S/Yard. (As per table J)	402997.58
16	Construction of retaining wall. (As per table K)	1045707
17	Rain Water Harvesting (As per Table L)	82661.7992
18	Culvert (As per Table N) If required	202988
	Total=	10258484.55

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0402

Cost data for 22/11 KV, 1x10 MVA Substation (Outdoor)

Sr.No.	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	22 KV SIDE				
1	22 KV Lightning Arrestors (Station type)	Set	2	13866.00	27732.00
2	22 KV Isolators with EB (800 A)	Set	1	52349.00	52349.00
3	22 KV Isolators without EB (800 Amp.)	Set	3	44957.00	134871.00
4	22 KV Post Insulator	Nos	3	498.00	1494.00
5	Gantry Structure/Steel section for 22 KV Bus as per Sheet No.1	Nos	1	164080.35	164080.35
6	Disc Insulator 11 KV 70 KN	Nos	18	326.00	5868.00
7	AAAC 232 mm2	MTR	200	162.00	32400.00
8	Strain Hardware for AAAC232 sq.mm.	Nos	6	693.00	4158.00
9	Earthing complete as per Sheet no.2	Set	1	298186.00	298186.00
10	Power Transformer 22/11 KV, 10 MVA (DY-11)	No	1	8382929.00	8382929.00
11	22 KV P.T.	Nos	3	23569.00	70707.00
12	22 KV C.T. Three core.	Nos	3	32999.00	98997.00
13	22 KV VCB complete 1600 Amp (O.D.)	Set	1	227194.00	227194.00
14	C&R panel for 22 KV Transformer with Diff. Protection	No	1	143471.00	143471.00
15	22 kV Pin Insulators with G.I. Pins	Nos	6	406.00	2436.00
16	Structure for 22 KV CT & PT as per Sheet no.3	No	1	64960.00	64960.00
17	G.I.Nut Bolts	KG	150	112.00	16800.00
18	Fire Extinguisher with stand 9 Kg.	Set	L.S	4830.00	4830.00
B	11 KV SIDE				
19	11 kv 250 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Islators, C.T. & P.T. etc.	Set	1	1078087.00	1078087.00
20	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
21	Take off structure for 3 outgoing feeder as per Sheet no.4	No.	1	415699.00	415699.00
22	11 kV Pin Insulators with G.I. Pins	No.	12	120.00	1440.00
23	Clamps and Connectors as per Sheet no.5	No.	1	216471.00	216471.00
24	Structure for 11 KV Main Bus as per Sheet no.6	No.	1	341191.00	341191.00
25	S/S Yard lighting as per Sheet no.7	No.	1	157462.00	157462.00
26	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
27	11/0.43 KV x 100 KVA station Transformer as per Sheet no.8.	No.	1	268853.40	268853.40
28	Control cables for S/S as per Sheet no.9	No.	1	119963.00	119963.00
29	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

Cost of material

12441284.75

1	Erection cost on material	5.00%	622064
2	Contractor supervision charges on material	5.00%	622064
	Sub-Total		13685413
3	Contractor's Profit	5.00%	684271
	Sub-Total		14369684
4	Transportation on material	4.00%	497651
5	T&P on material cost	1.00%	124413
6	Contingencies on material	2.00%	248826
	Service Cost		30854386
	Sub-Total		15240574
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	30481
	Sub-Total		15271055
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	28251
9	Insurance	1.00%	152711
10	Turnkey Charges	0.00%	0

Total

15452017

9	Civil works	No.	1	10429845
	Total Cost of Estimate			25881862

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	21818281	15452076
Civil works	14184589	10429845
Total Cost of the Estimate	36002870	25881920

Sheet No.1

Cost data for 22 KV Gantry M.S.structure/steel section for 1x10 MVA Sub stn. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(4 Nos.)-496.0 kg.	MT	1.984	65475.00	129902.40
2	Beam type HA(2 Nos.)-261.0 Kg.	MT	0.522	65475.00	34177.95
Total:					164080.35

Sheet No.2

Cost data for Earthing Work at 1x10 MVA at 22/11 KV sub stn. (outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
Total:					298186.00

Sheet No.3

Cost data of Structure for 22 KV CT & PT at 1x10 MVA 22/11 KV Sub Stn.(Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 22 KV PT	Kg.	315	70.00	22050.00
2	Structure for 22 KV CT	Kg.	360	70.00	25200.00
3	Structure for 22 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
Total:					64960.00

Sheet No :

4

Cost data for Take off structure for 11 KV Feeders 3 outlets at 1x10 MVA 22/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Strain Hardware for AAAC232 sq.mm.	Nos.	36	693.00	24948.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 232 mm2	Rmt.	150	162.00	24300.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	PANTHER TO PANTHER or equivalent AAAC	Nos.	18	826.00	14868.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	18	3855.00	69390.00
16	Miscellaneous material	LS	1	518.00	518.00
Total:					415699.00

Sheet No.

5

Cost data for Clamps & Connectors at 1x10 MVA 22/11 kv sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	PANTHER TO PANTHER or equivalent AAAC	Nos.	30	826.00	24780.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 22 KV Isolator	Nos.	18	1173.00	21114.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 22 KV C.T.	Nos.	6	1639.00	9834.00
5	Clamps for 22 KV P.T.	Nos.	3	1639.00	4917.00
6	Clamp for 22 KV VCB	Nos.	6	2346.00	14076.00
				Total:	216471.00

Sheet No.6

Cost data for Structure of 11 KV Main Bus at 1x10MVA, 22/11 KV Sub-Station (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for AAAC232 sq.mm.	Nos.	36	693.00	24948.00
7	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
10	AAAC 232 mm2	Rmt.	150	162.00	24300.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	T-Connector for 200 sq mm conductor(Compression type)	Nos.	12	3855.00	46260.00
15	Miscellaneous material	LS	1	518.00	518.00
				Total:	341191.00

Sheet No.7

Cost data for Yard Lighting of 1 x10 MVA , 22/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	12	1625.00	19500.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	12	5800.00	69600.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt.	7	4328.00	30296.00
6	Red Bricks	No.	1000	8.00	8000.00
7	Sand	Cmt.	6	280.00	1680.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	157462.00

Sheet No.8

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 1x10 MVA 22/11 KV sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
7	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
8	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
9	11 kv Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
10	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	10	275.00	2750.00
11	L.T. XLPE armoured cable 3 1/2 C 50 sq.mm.	Rmt.	50	207.00	10350.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
		Total:			268853.40

Sheet No.9

Cost data for Control cable 1 X10 MVA 22/11 KV Sub.Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	125	474.00	59250.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	130	309.00	40170.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	55	125.00	6875.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	50	79.00	3950.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	100	92.00	9200.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	119963.00

C Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A)	347011.5
2	Control room (As per table B) outdoor	3066043.5
3	Store room of size 8.0m X 6.0 m (As per table C)	965146.6
4	Sanitary Water supply	0
5	Electrification (Lumsum)	142595.2425
6	WBM Road (As per table D)	583925
7	Chain link fencing and Bar bed wire fencing (As per table E)	2023680.78
8	Metal Spreading (As per table F)	202203.5
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (1+3 Bay) + Stn Trans. (As table G) Outdoor	1002132.05
10	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	0
11	10 MVA Power Transformer Plinth Foundation (as per table G2)	0
12	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Outdoor	0
13	Water Supply arrangement for C/Room and Switch Yard.(As per table H)	76609
14	Borewell including pumpset and allied accessories. (As per table I)	114783
15	Const.of cable trench with covers in S/Yard. (As per table J)	402997.58
16	Construction of retaining wall. (As per table K)	1045707
17	Rain Water Harvesting (As per Table L)	82661.7992
18	Culvert (As per Table N) If required	202988
	Civil works for NFIPS System	171360
	Total=	10429844.55

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.0403

Cost data for 22/11 KV, 2x5 MVA Substation (Outdoor)

Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	22 KV SIDE				
1	22 KV Lightning Arrestors (Station type)	Set	4	13866.00	55464.00
2	22 KV Isolators with EB (800 A)	Set	2	52349.00	104698.00
3	22 KV Isolators without EB (800 Amp.)	Set	5	44957.00	224785.00
4	22 KV Post Insulator	Nos	6	498.00	2988.00
5	Gantry Structure/Steel section for 22 KV Bus as per Sheet No.1	Nos	2	263209.50	526419.00
6	Disc Insulator 11 KV 70 KN	Nos	72	326.00	23472.00
7	AAAC 232 mm2	MTR	200	162.00	32400.00
8	Strain Hardware for AAAC232 sq.mm.	Nos	12	693.00	8316.00
9	Earthing complete as per Sheet no.2	Set	2	298186.00	596372.00
10	Power Transformer 22/11 KV, 5 MVA (DY-11)	No	2	4908235.00	9816470.00
11	22 KV P.T.	Nos	3	23569.00	70707.00
12	22 KV C.T. Three core.	Nos	12	32999.00	395988.00
13	22 KV VCB complete 1600 Amp (O.D.)	Set	2	227194.00	454388.00
14	C&R panel for 22 KV Transformer with 1 A relay	No	2	95551.00	191102.00
16	22 kV Pin Insulators with G.I. Pins	Nos	24	406.00	9744.00
17	Structure for 22 KV CT & PT as per Sheet no.3	No	2	64960.00	129920.00
18	G.I.Nut Bolts	KG	150	112.00	16800.00
19	Fire Extinguisher with stand 9 Kg.	Set	L.S	4830.00	4830.00
20	Marshalling Box	Nos.	4	5783.00	23132.00
B	11 KV SIDE				
21	11 kv 250 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Islators, C.T. & P.T. etc.	Set	2	1078087.00	2156174.00
22	L.As. 11 KV (Gapless type) with disconnector	Set	2	1531.00	3062.00
23	Take off structure for 6 outgoing feeder as per Sheet no.4	No.	2	356145.00	712290.00
24	11 kV Pin Insulators with G.I. Pins	No.	24	120.00	2880.00
25	Clamps and Connectors as per Sheet no.5	No.	1	210951.00	210951.00
26	Structure for 11 KV Main Bus as per Sheet no.6	No.	1	279619.00	279619.00
27	S/S Yard lighting as per Sheet no.7	No.	1	178380.00	178380.00
28	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
29	11/0.43 KV x 100 KVA station Transformer as per Sheet no.8.	No.	1	268853.40	268853.40
30	Control cables for S/S as per Sheet no.9	No.	2	241283.00	482566.00
31	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

	Cost of material		17089895.40
1	Erection cost on material	5.00%	854495
2	Contractor supervision charges on material	5.00%	854495
	Sub-Total		18798885
3	Contractor's Profit	5.00%	939944
	Sub-Total		19738829
4	Transportation on material	4.00%	683596
5	T&P on material cost	1.00%	170899
6	Contingencies on material	2.00%	341798
	Service Cost		42382941
	Sub-Total		20935122
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	41870
	Sub-Total		20976992
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	38807
9	Insurance	1.00%	209770
10	Turnkey Charges	0.00%	0
	Total		21225569
9	Civil works	No.	1
	Total Cost of Estimate		32364302

Particulars	Tender/ Estimate Amount	
	DPR Amount	
Cost with overheads on Material	29970550	21225650
Civil works	15148676	11138732
Total Cost of the Estimate	45119225	32364382

Sheet No.1

Cost data for 22 KV Gantry M.S.structure/steel section for 2x5 MVA Sub stn. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(6Nos.)-496.0 kg.	MT	2.976	65475.00	194853.60
2	Beam type HA(4 Nos.)-261.0 Kg.	MT	1.044	65475.00	68355.90
Total:					263209.50

Sheet No.2

Cost data for Earthing Work at 2x5 MVA at 22/11 KV sub stn. (outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
Total:					298186.00

Sheet No.3

Cost data of Structure for 22 KV CT & PT at 2x5 MVA 22/11 KV Sub Stn.(Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 22 KV PT	Kg.	315	70.00	22050.00
2	Structure for 22 KV CT	Kg.	360	70.00	25200.00
3	Structure for 22 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
Total:					64960.00

Sheet No :

4

Cost data for Take off structure for 11 KV Feeders 3 outlets at 2x5 MVA 22/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	8	12493.00	99944.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 100 mm ²	Rmt.	150	70.00	10500.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	18	642.00	11556.00
b)	T-Connector for 100 sq mm conductor	Nos.	18	843.00	15174.00
16	Miscellaneous material	LS	1	518.00	518.00
Total:					356145.00

Sheet No.

5

Cost data for Clamps & Connectors at 2x5 MVA 22/11 kv sub strn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 22 KV Isolator	Nos.	18	1173.00	21114.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 22 KV C.T.	Nos.	6	1639.00	9834.00
5	Clamps for 22 KV P.T.	Nos.	3	1639.00	4917.00
6	Clamp for 22 KV VCB	Nos.	6	2346.00	14076.00
				Total:	210951.00

Sheet No.6

Cost data for Structure of 11 KV Main Bus at 2x5MVA, 22/11 KV Sub-Station (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
7	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
10	AAAC 100 mm ²	Rmt.	150	70.00	10500.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	T-Connector for 100 sq mm conductor	Nos.	12	843.00	10116.00
15	Miscellaneous material	LS	1	518.00	518.00
				Total:	279619.00

Sheet No.7

Cost data for Yard Lighting of 2x5 MVA , 22/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt.	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cmt.	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
					178380.00

Sheet No.8

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 2x5 MVA 22/11 KV sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
7	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
8	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
9	11 kv Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
10	L.T.XLPE Armoured 3.5 Core cable 70 sq.mm.	Rmt.	10	275.00	2750.00
11	L.T. XLPE armoured cable 3 1/2 C 50 sq.mm.	Rmt.	50	207.00	10350.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	268853.40

Sheet No.9

Cost data for Control cable 2X5 MVA 22/11 KV Sub.Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C

Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A)	347011.5
2	Control room (As per table B) outdoor	3066043.5
3	Store room of size 8.0m X 6.0 m (As per table C)	965146.6
4	Sanitary Water supply	0
5	Electrification (Lumsum)	142595.2425
6	WBM Road (As per table D)	583925
7	Chain link fencing and Bar bed wire fencing (As per table E)	2023680.78
8	Metal Spreading (As per table F)	202203.5
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (1+3 Bay) + Stn Trans. (As table G) Outdoor	1002132.05
10	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	880247.6
11	10 MVA Power Transformer Plinth Foundation (as per table G2)	0
12	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Outdoor	0
13	Water Supply arrangement for C/Room and Switch Yard.(As per table H)	76609
14	Borewell including pumpset and allied accessories. (As per table I)	114783
15	Const.of cable trench with covers in S/Yard. (As per table J)	402997.58
16	Construction of retaining wall. (As per table K)	1045707
17	Rain Water Harvesting (As per Table L)	82661.7992
18	Culvert (As per Table N) If required	202988
	Total=	11138732.15

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0404

Cost data for 22/11 KV, 2x10 MVA Substation (Outdoor)

Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	22 KV SIDE				
1	22 KV Lightning Arrestors (Station type)	Set	4	13866.00	55464.00
2	22 KV Isolators with EB (800 A)	Set	2	52349.00	104698.00
3	22 KV Isolators without EB (800 Amp.)	Set	5	44957.00	224785.00
4	22 KV Post Insulator	Nos	6	498.00	2988.00
5	Gantry Structure/Steel section for 22 KV Bus as per Sheet No.1	Nos	2	263209.50	526419.00
6	Disc Insulator 11 KV 70 KN	Nos	36	326.00	11736.00
7	AAAC 232 mm2	MTR	200	162.00	32400.00
8	Strain Hardware for AAAC232 sq.mm.	Nos	12	693.00	8316.00
9	Earthing complete as per Sheet no.2	Set	2	298186.00	596372.00
10	Power Transformer 22/11 KV, 10 MVA (DY-11)	No	2	8382929.00	16765858.00
11	22 KV P.T.	Nos	3	23569.00	70707.00
12	22 KV C.T. Three core.	Nos	6	32999.00	197994.00
13	22 KV VCB complete 1600 Amp (O.D.)	Set	2	227194.00	454388.00
14	C&R panel for 22 KV Transformer with Diff. Protection	No	2	143471.00	286942.00
16	22 kv Pin Insulators with G.I. Pins	Nos	12	406.00	4872.00
17	Structure for 22 KV CT & PT as per Sheet no.3	No	2	64960.00	129920.00
18	G.I.Nut Bolts	KG	150	112.00	16800.00
19	Fire Extinguisher with stand 9 Kg.	Set	L.S	4830.00	4830.00
B	11 KV SIDE				
20	11 kv 250 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Islators, C.T. & P.T. etc.	Set	2	1078087.00	2156174.00
21	Take off structure for 6 outgoing feeder as per Sheet no.4	No.	2	440685.00	881370.00
22	11 kv Pin Insulators with G.I. Pins	No.	24	120.00	2880.00
23	L.As. 11 KV (Gapless type) with disconnector	Set	2	1531.00	3062.00
24	Clamps and Connectors as per Sheet no.5	No.	1	216471.00	216471.00
25	Structure for 11 KV Main Bus as per Sheet no.6	No.	1	341191.00	341191.00
26	S/S Yard lighting as per Sheet no.7	No.	1	178380.00	178380.00
27	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
28	11/0.43 KV x 100 KVA station Transformer as per Sheet no.8	No.	1	274033.40	274033.40
29	Control cables for S/S as per Sheet no.9	No.	1	241283.00	241283.00
30	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

Cost of material

23897458.40

1	Erection cost on material	5.00%	1194873
2	Contractor supervision charges on material	5.00%	1194873
	Sub-Total		26287204
3	Contractor's Profit	5.00%	1314360
	Sub-Total		27601564
4	Transportation on material	4.00%	955898
5	T&P on material cost	1.00%	238975
6	Contingencies on material	2.00%	477949
	Service Cost		59265697
	Sub-Total		29274387
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	58549
	Sub-Total		29332935
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	54266
9	Insurance	1.00%	293329
10	Turnkey Charges	0.00%	0
	Total		29680531
9	Civil works	No.	1
	Total Cost of Estimate		41198857

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	41908973	29680643
Civil works	15664923	11518326
Total Cost of the Estimate	57573896	41198969

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Cost data for 22 KV Gantry M.S.Structure/Steel Section for 2x 10 MVA, 22/11 kv S/S (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(6Nos.)-496.0 kg.	MT	2.976	65475.00	194853.60
2	Beam type HA(4 Nos.)-261.0 Kg.	MT	1.044	65475.00	68355.90
				Total:	263209.50

Sheet No.2

Cost data for Earthing Work at 2x 10 MVA at 22/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	298186.00

Sheet No.3

Cost data of Structure for 22 KV CT & PT at 2x 10 MVA, 22/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 22 KV PT	Kg.	315	70.00	22050.00
2	Structure for 22 KV CT	Kg.	360	70.00	25200.00
3	Structure for 22 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet No :

4

Cost data for Take off structure for 11 KV Feeders 3 outlets at 2x5 MVA 22/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	8	12493.00	99944.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Strain Hardware for AAAC232 sq.mm.	Nos.	36	693.00	24948.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 232 mm2	Rmt.	150	162.00	24300.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	PANTHER TO PANTHER or equivalent AAAC	Nos.	18	826.00	14868.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	18	3855.00	69390.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	440685.00

Sheet No.

5

Cost data for Clamps & Connectors at 2x10 MVA 22/11 kv sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	PANTHER TO PANTHER or equivalent AAAC	Nos.	30	826.00	24780.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 22 KV Isolator	Nos.	18	1173.00	21114.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 22 KV C.T.	Nos.	6	1639.00	9834.00
5	Clamps for 22 KV P.T.	Nos.	3	1639.00	4917.00
6	Clamp for 22 KV VCB	Nos.	6	2346.00	14076.00
				Total:	216471.00

Sheet No.6

Cost data for Structure of 11 KV Main Bus at 2X10MVA, 22/11 KV Sub-station (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for AAAC232 sq.mm.	Nos.	36	693.00	24948.00
7	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
10	AAAC 232 mm2	Rmt.	150	162.00	24300.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	T-Connector for 200 sq mm conductor(Compression type)	Nos.	12	3855.00	46260.00
15	Miscellaneous material	LS	1	518.00	518.00
				Total:	341191.00

Sheet No.7

Cost data for Yard Lighting of 2X10 MVA, 22/11 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cum	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	178380.00

Sheet No.8

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 2x10 MVA 22/11 S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
7	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
8	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
9	11 kv Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
10	L.T.XLPE Armoured 3.5 Core cable 120 sq.mm.	Rmt.	10	453.00	4530.00
11	L.T.XLPE Armoured 3.5 Core cable 70 sq.mm.	Rmt.	50	275.00	13750.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	274033.40

Sheet No.9

Cost data Control cable 2 X10 MVA 22/11KV S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A)	347011.5
2	Control room (As per table B) outdoor	3066043.5
3	Store room of size 8.0m X 6.0 m (As per table C)	965146.6
4	Sanitary Water supply	0
5	Electrification (Lumsum)	142595.2425
6	WBM Road (As per table D)	583925
7	Chain link fencing and Bar bed wire fencing (As per table E)	2023680.78
8	Metal Spreading (As per table F)	202203.5
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (1+3 Bay) + Stn Trans. (As table G) Outdoor	1002132.05
10	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	880247.6
11	10 MVA Power Transformer Plinth Foundation (as per table G2)	0
12	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Outdoor	36873.85
13	Water Supply arrangement for C/Room and Switch Yard.(As per table H)	76609
14	Borewell including pumpset and allied accessories. (As per table I)	114783
15	Const.of cable trench with covers in S/Yard. (As per table J)	402997.58
16	Construction of retaining wall. (As per table K)	1045707
17	Rain Water Harvesting (As per Table L)	82661.7992
18	Culvert (As per Table N) If required	202988
	Civil works for NFIPS System (2 PTFs)	342720
	Total=	11518326

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0405

Cost data for 22/11 KV, 1x5 MVA & 1x10 MVA Outdoor Substation

Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	22 KV SIDE				
1	22 KV Lightning Arrestors (Station type)	Set	4	13866.00	55464.00
2	22 KV Isolators with EB (800 A)	Set	2	52349.00	104698.00
3	22 KV Isolators without EB (800 Amp.)	Set	10	44957.00	449570.00
4	22 KV Post Insulator	Nos	6	498.00	2988.00
5	Gantry Structure/Steel section for 22 KV Bus as per Sheet No.1	Nos	2	263209.50	526419.00
6	Disc Insulator 11 KV 70 KN	Nos	72	326.00	23472.00
7	AAAC 232 mm2	MTR	200	162.00	32400.00
8	Strain Hardware for AAAC232 sq.mm.	Nos	12	693.00	8316.00
9	Earthing complete as per Sheet no.2	Set	2	298186.00	596372.00
10	Power Transformer 22/11 KV, 5 MVA (DY-11)	No	1	4908235.00	4908235.00
11	Power Transformer 22/11 KV, 10 MVA (DY-11)	No	1	8382929.00	8382929.00
12	22 KV P.T.	Nos	3	23569.00	70707.00
13	22 KV C.T. Three core.	Nos	12	32999.00	395988.00
14	22 KV VCB complete 1600 Amp (O.D.)	Set	2	227194.00	454388.00
15	C&R panel for 22 KV Transformer with Diff. Protection	No	1	143471.00	143471.00
16	C&R panel for 22 KV Transformer with 1 A relay	No	1	95551.00	95551.00
17	22 kv Pin Insulators with G.I. Pins	Nos	24	406.00	9744.00
18	Structure for 22 KV CT & PT as per Sheet no.3	No	2	64960.00	129920.00
19	G.I.Nut Bolts	KG	150	112.00	16800.00
20	Fire Extinguisher with stand 9 Kg.	Set	L.S	4830.00	4830.00
21	Marshalling Box	Nos.	4	5783.00	23132.00
B	11 KV SIDE				
22	11 kv 250 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Islators, C.T. & P.T. etc.	Set	2	1078087.00	2156174.00
23	L.As. 11 KV (Gapless type) with disconnector	Set	2	1531.00	3062.00
24	Take off structure for 3 outgoing feeder as per Sheet no.4	No.	2	421945.00	843890.00
25	11 kv Pin Insulators with G.I. Pins	No.	24	120.00	2880.00
26	Clamps and Connectors as per Sheet no.5	No.	1	216471.00	216471.00
27	Structure for 11 KV Main Bus as per Sheet no.6	No.	2	359395.00	718790.00
28	S/S Yard lighting as per Sheet no.7	No.	1	178380.00	178380.00
29	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
30	11/0.43 KV x 100 KVA station Transformer as per Sheet no.8.	No.	1	268853.40	268853.40
31	Control cables for S/S as per Sheet no.9	No.	2	241283.00	482566.00
32	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

	Cost of material		21413585.40
1	Erection cost on material	5.00%	1070679
2	Contractor supervision charges on material	5.00%	1070679
	Sub-Total		23554944
3	Contractor's Profit	5.00%	1177747
	Sub-Total		24732691
4	Transportation on material	4.00%	856543
5	T&P on material cost	1.00%	214136
6	Contingencies on material	2.00%	428272
	Service Cost		53105692
	Sub-Total		26231642
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	52463
	Sub-Total		26284105
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	48626
9	Insurance	1.00%	262841
10	Turnkey Charges	0.00%	0
	Total		26595572
9	Civil works	No.	1
	Total Cost of Estimate		37942538

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	37553005	26595673
Civil works	15431874	11346966
Total Cost of the Estimate	52984878	37942639

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for 22 KV Gantry M.S.structure/steel section for 1x5 MVA & 1x10 MVA Outdoor Sub stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(6Nos.)-496.0 kg.	MT	2.976	65475.00	194853.60
2	Beam type HA(4 Nos.)-261.0 Kg.	MT	1.044	65475.00	68355.90
				Total:	263209.50

Sheet No.2

Cost data for Earthing Work at 22/11 KV for 1x5 MVA & 1x10 MVA Outdoor Sub stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	298186.00

Sheet No.3

Cost data of Structure for 22 KV CT & PT at 1x5 MVA & 1x10 MVA Outdoor Sub stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 22 KV PT	Kg.	315	70.00	22050.00
2	Structure for 22 KV CT	Kg.	360	70.00	25200.00
3	Structure for 22 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet No :

4

Cost data for Take off structure for 11 KV Feeders 3 outlets at 22/11 KV ,1x5 MVA & 1x10 MVA Outdoor Sub stn.

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for AAAC232 sq.mm.	Nos.	36	693.00	24948.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 232 mm2	Rmt.	150	162.00	24300.00
12	AAAC 100 mm2	Rmt.	150	70.00	10500.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	19	642.00	12198.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	18	3855.00	69390.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	421945.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.

5

Cost data for Clamps & Connectors at 22/11 kv 1x5 MVA & 1x10 MVA Outdoor Sub stn.

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	PANTHER TO PANTHER or equivalent AAAC	Nos.	30	826.00	24780.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 22 KV Isolator	Nos.	18	1173.00	21114.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 22 KV C.T.	Nos.	6	1639.00	9834.00
5	Clamps for 22 KV P.T.	Nos.	3	1639.00	4917.00
6	Clamp for 22 KV VCB	Nos.	6	2346.00	14076.00
		Total:			216471.00

Sheet No.6

Cost data for Structure of 11 KV Main Bus at 22/11 KV 1x5 MVA & 1x10 MVA Outdoor Sub stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for AAAC232 sq.mm.	Nos.	36	693.00	24948.00
7	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
10	AAAC 232 mm2	Rmt.	150	162.00	24300.00
11	AAAC 100 mm2	Rmt.	150	70.00	10500.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	12	642.00	7704.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	12	3855.00	46260.00
14	Miscellaneous material	LS	1	518.00	518.00
		Total:			359395.00

Sheet No.7

Cost data for Yard Lighting of 22/11 KV 1x5 MVA & 1x10 MVA Outdoor Sub stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt.	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cmt.	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
		Total:			178380.00

Sheet No.8

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 22/11 KV 1x5 MVA & 1x10 MVA Outdoor Sub stn.

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
7	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
8	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
9	11 kv Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
10	L.T.XLPE Armoured 3.5 Core cable 70 sq.mm.	Rmt.	10	275.00	2750.00
11	L.T. XLPE armoured cable 3 1/2 C 50 sq.mm.	Rmt.	50	207.00	10350.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	268853.40

Sheet No.9

Cost data for Control cable 22/11 KV 1x5 MVA & 1x10 MVA Outdoor Sub stn.

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
5	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C

Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A)	347011.5
2	Control room (As per table B) outdoor	3066043.5
3	Store room of size 8.0m X 6.0 m (As per table C)	965146.6
4	Sanitary Water supply	0
5	Electrification (Lumsum)	142595.2425
6	WBM Road (As per table D)	583925
7	Chain link fencing and Bar bed wire fencing (As per table E)	2023680.78
8	Metal Spreading (As per table F)	202203.5
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (1+3 Bay) + Stn Trans. (As table G) Outdoor	1002132.05
10	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	880247.6
11	10 MVA Power Transformer Plinth Foundation (as per table G2)	0
12	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Outdoor	36873.85
13	Water Supply arrangement for C/Room and Switch Yard.(As per table H)	76609
14	Borewell including pumpset and allied accessories. (As per table I)	114783
15	Const.of cable trench with covers in S/Yard. (As per table J)	402997.58
16	Construction of retaining wall. (As per table K)	1045707
17	Rain Water Harvesting (As per Table L)	82661.7992
18	Culvert (As per Table N) If required	202988
	Civil works for NFIPS System	171360
	Total=	11346966

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0401A

Cost data for 22/11 KV, 1x5 MVA Substation (Outdoor) with RSJ pole structure

Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	22 KV SIDE				
1	22 KV Lightning Arrestors (Station type)	Set	2	13866.00	27732.00
2	22 KV Isolators with EB (800 A)	Set	1	52349.00	52349.00
3	22 KV Isolators without EB (800 Amp.)	Set	3	44957.00	134871.00
4	22 KV Post Insulator	Nos	3	498.00	1494.00
5	RSJ 125x70, 8 m long	Nos	8	6322.00	50576.00
6	MS Channel 100x50x6 mm	Kg.	1650	70.00	115500.00
7	M.S. Angel(75 X 40 mm)	Kg.	100	70.00	7000.00
8	M.S. Flats(50 X 10mm)	Kg.	80	65.00	5200.00
9	Disc Insulator 11 KV 70 KN	Nos	18	326.00	5868.00
10	AAAC 232 mm2	MTR	200	162.00	32400.00
11	Strain Hardware for AAAC232 sq.mm.	Nos	6	693.00	4158.00
12	Earthing complete as per Sheet no.1	Set	1	298186.00	298186.00
13	Power Transformer 22/11 KV, 5 MVA (DY-11)	No	1	4908235.00	4908235.00
14	22 KV P.T.	Nos	3	23569.00	70707.00
15	22 KV C.T. Three core.	Nos	3	32999.00	98997.00
16	22 KV VCB complete 1600 Amp (O.D.)	Set	1	227194.00	227194.00
17	C&R panel for 22 KV Transformer with 1 A relay	No	1	95551.00	95551.00
18	22 kV Pin Insulators with G.I. Pins	Nos	6	406.00	2436.00
19	Structure for 22 KV CT & PT as per Sheet no.2	No	1	64960.00	64960.00
20	G.I.Nut Bolts	KG	150	112.00	16800.00
21	Fire Extinguisher with stand 9 Kg.	Set	L.S	4830.00	4830.00
B	11 KV SIDE				
22	11 kv 250 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Isulators, C.T. & P.T. etc.	Set	1	1078087.00	1078087.00
23	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
24	Take off structure for 3 outgoing feeder as per Sheet no.3	No.	1	331159.00	331159.00
25	11 kV Pin Insulators with G.I. Pins	No.	12	120.00	1440.00
26	Clamps and Connectors as per Sheet no.4	No.	1	210951.00	210951.00
27	Structure for 11 KV Main Bus as per Sheet no.5	No.	1	279619.00	279619.00
28	S/S Yard lighting as per Sheet no.6	No.	1	178380.00	178380.00
29	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
30	11/0.43 KV x 100 KVA station Transformer as per Sheet no.7	No.	1	268853.40	268853.40
31	Control cables for S/S as per Sheet no.8	No.	1	119963.00	119963.00
32	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

D	Cost of material			8802152.40
1	Erection cost on material	5.00%		440108
2	Contractor supervision charges on material	5.00%		440108
	Sub-Total			9682368
3	Contractor's Profit	5.00%		484118
	Sub-Total			10166486
4	Transportation on material	4.00%		352086
5	T&P on material cost	1.00%		88022
6	Contingencies on material	2.00%		176043
	Service Cost			21829338
	Sub-Total			10782637
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%		21565
	Sub-Total			10804202
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%		19988
9	Insurance	1.00%		108042
10	Turnkey Charges	0.00%		0
	Total			10932232
9	Civil works	No.	1	10258485
	Total Cost of Estimate			21190716

Particulars	DPR Amount	Tender/ Estimate Amount
		75.37%
Cost with overheads on Material	15436335	10932273
Civil works	13951539	10258485
Total Cost of the Estimate	29387874	21190758

Sheet No.1

Cost data for Earthing Work at 1x5 MVA at 22/11 KV sub stn. (outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
Total:					298186.00

Sheet No.2

Cost data of Structure for 22 KV CT & PT at 1x5 MVA 22/11 KV Sub Stn.(Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 22 KV PT	Kg.	315	70.00	22050.00
2	Structure for 22 KV CT	Kg.	360	70.00	25200.00
3	Structure for 22 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
Total:					64960.00

Sheet No :

3

Cost data for Take off structure for 11 KV Feeders 3 outlets at 1x5 MVA 22/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 100 mm2	Rmt.	150	70.00	10500.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	18	642.00	11556.00
b)	T-Connector for 100 sq mm conductor	Nos.	18	843.00	15174.00
16	Miscellaneous material	LS	1	518.00	518.00
Total:					331159.00

Sheet No.

4

Cost data for Clamps & Connectors at 1x5 MVA 22/11 kv sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 22 KV Isolator	Nos.	18	1173.00	21114.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 22 KV C.T.	Nos.	6	1639.00	9834.00
5	Clamps for 22 KV P.T.	Nos.	3	1639.00	4917.00
6	Clamp for 22 KV VCB	Nos.	6	2346.00	14076.00
Total:					210951.00

Sheet No.5

Cost data for Structure of 11 KV Main Bus at 1x5MVA, 22/11 KV Sub-Station (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
7	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
10	AAAC 100 mm2	Rmt.	150	70.00	10500.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	T-Connector for 100 sq mm conductor	Nos.	12	843.00	10116.00
15	Miscellaneous material	LS	1	518.00	518.00
				Total:	279619.00

Sheet No.6

Cost data for Yard Lighting of 1 x5 MVA , 22/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cmt	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
					178380.00

Sheet No.7

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 1x5 MVA 22/11 KV sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
7	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
8	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
9	11 kV Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
10	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	10	275.00	2750.00
11	L.T. XLPE armoured cable 3 1/2 C 50 sq.mm.	Rmt.	50	207.00	10350.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	268853.40

Sheet No.8

Cost data for Control cable 1 X5 MVA 22/11 KV Sub.Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	125	474.00	59250.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	130	309.00	40170.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	55	125.00	6875.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	50	79.00	3950.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	100	92.00	9200.00
5	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	119963.00

C Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A)	347011.5
2	Control room (As per table B) outdoor	3066043.5
3	Store room of size 8.0m X 6.0 m (As per table C)	965146.6
4	Sanitary Water supply	0
5	Electrification (Lumsum)	142595.2425
6	WBM Road (As per table D)	583925
7	Chain link fencing and Bar bed wire fencing (As per table E)	2023680.78
8	Metal Spreading (As per table F)	202203.5
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (1+3 Bay) + Stn Trans. (As table G) Outdoor	1002132.05
10	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	0
11	10 MVA Power Transformer Plinth Foundation (as per table G2)	0
12	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Outdoor	0
13	Water Supply arrangement for C/Room and Switch Yard.(As per table H)	76609
14	Borewell including pumpset and allied accessories. (As per table I)	114783
15	Const.of cable trench with covers in S/Yard. (As per table J)	402997.58
16	Construction of retaining wall. (As per table K)	1045707
17	Rain Water Harvesting (As per Table L)	82661.7992
18	Culvert (As per Table N) If required	202988
	Total=	10258484.55

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0402A

Cost data for 22/11 KV, 1x10 MVA Substation (Outdoor) with RSJ pole structure

Sr.No.	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	22 KV SIDE				
1	22 KV Lightning Arrestors (Station type)	Set	2	13866.00	27732.00
2	22 KV Isolators with EB (800 A)	Set	1	52349.00	52349.00
3	22 KV Isolators without EB (800 Amp.)	Set	3	44957.00	134871.00
4	22 KV Post Insulator	Nos	3	498.00	1494.00
5	RSJ 125x70, 8 m long	Nos	8	6322.00	50576.00
6	MS Channel 100x50x6 mm	Kg.	1650	70.00	115500.00
7	M.S. Angel(75 X 40 mm)	Kg.	100	70.00	7000.00
8	M.S. Flats(50 X 10mm)	Kg.	80	65.00	5200.00
9	Disc Insulator 11 KV 70 KN	Nos	18	326.00	5868.00
10	AAAC 232 mm2	MTR	200	162.00	32400.00
11	Strain Hardware for AAAC232 sq.mm.	Nos	6	693.00	4158.00
12	Earthing complete as per Sheet no.1	Set	1	298186.00	298186.00
13	Power Transformer 22/11 KV, 10 MVA (DY-11)	No	1	8382929.00	8382929.00
14	22 KV P.T.	Nos	3	23569.00	70707.00
15	22 KV C.T. Three core.	Nos	3	32999.00	98997.00
16	22 KV VCB complete 1600 Amp (O.D.)	Set	1	227194.00	227194.00
17	C&R panel for 22 KV Transformer with Diff. Protection	No	1	143471.00	143471.00
18	22 kv Pin Insulators with G.I. Pins	Nos	6	406.00	2436.00
19	Structure for 22 KV CT & PT as per Sheet no.2	No	1	64960.00	64960.00
20	G.I.Nut Bolts	KG	150	112.00	16800.00
21	Fire Extinguisher with stand 9 Kg.	Set	L.S	4830.00	4830.00
B	11 KV SIDE				
22	11 kv 250 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Isulators, C.T. & P.T. etc.	Set	1	1078087.00	1078087.00
23	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
24	Take off structure for 3 outgoing feeder as per Sheet no.3	No.	1	414115.00	414115.00
25	11 kV Pin Insulators with G.I. Pins	No.	12	120.00	1440.00
26	Clamps and Connectors as per Sheet no.4	No.	1	216471.00	216471.00
27	Structure for 11 KV Main Bus as per Sheet no.5	No.	1	341191.00	341191.00
28	S/S Yard lighting as per Sheet no.6	No.	1	157462.00	157462.00
29	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
30	11/0.43 KV x 100 KVA station Transformer as per Sheet no.7	No.	1	268853.40	268853.40
31	Control cables for S/S as per Sheet no.8	No.	1	119963.00	119963.00
32	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

	Cost of material			12453896.40
1	Erection cost on material	5.00%		622695
2	Contractor supervision charges on material	5.00%		622695
	Sub-Total			13699286
3	Contractor's Profit	5.00%		684964
	Sub-Total			14384250
4	Transportation on material	4.00%		498156
5	T&P on material cost	1.00%		124539
6	Contingencies on material	2.00%		249078
	Service Cost			30885663
	Sub-Total			15256023
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%		30512
	Sub-Total			15286535
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%		28280
9	Insurance	1.00%		152865
10	Turnkey Charges	0.00%		0
	Total			15467681
9	Civil works	No.	1	10258485
	Total Cost of Estimate			25726165

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	21840398	15467739
Civil works	13951539	10258485
Total Cost of the Estimate	35791937	25726224

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for Earthing Work at 1x10 MVA at 22/11 KV sub stn. (outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	298186.00

Sheet No.2

Cost data of Structure for 22 KV CT & PT at 1x10 MVA 22/11 KV Sub Stn.(Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 22 KV PT	Kg.	315	70.00	22050.00
2	Structure for 22 KV CT	Kg.	360	70.00	25200.00
3	Structure for 22 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet No :

3

Cost data for Take off structure for 11 KV Feeders 3 outlets at 1x10 MVA 22/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for AAAC232 sq.mm.	Nos.	36	693.00	24948.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 232 mm2	Rmt.	150	162.00	24300.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	PANTHER TO PANTHER or equivalent AAAC	Nos.	18	826.00	14868.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	18	3855.00	69390.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	414115.00

Sheet No.

4

Cost data for Clamps & Connectors at 1x10 MVA 22/11 kv sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	PANTHER TO PANTHER or equivalent AAAC	Nos.	30	826.00	24780.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 22 KV Isolator	Nos.	18	1173.00	21114.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 22 KV C.T.	Nos.	6	1639.00	9834.00
5	Clamps for 22 KV P.T.	Nos.	3	1639.00	4917.00
6	Clamp for 22 KV VCB	Nos.	6	2346.00	14076.00
				Total:	216471.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.5

Cost data for Structure of 11 KV Main Bus at 1x10MVA, 22/11 KV Sub-Station (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for AAAC232 sq.mm.	Nos.	36	693.00	24948.00
7	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
10	AAAC 232 mm2	Rmt.	150	162.00	24300.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	T-Connector for 200 sq mm conductor(Compression type)	Nos.	12	3855.00	46260.00
15	Miscellaneous material	LS	1	518.00	518.00
				Total:	341191.00

Sheet No.6

Cost data for Yard Lighting of 1 x10 MVA , 22/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	12	1625.00	19500.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	12	5800.00	69600.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	7	4328.00	30296.00
6	Red Bricks	No.	1000	8.00	8000.00
7	Sand	Cmt	6	280.00	1680.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	157462.00

Sheet No.7

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 1x10 MVA 22/11 KV sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
7	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
8	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
9	11 kV Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
10	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	10	275.00	2750.00
11	L.T. XLPE armoured cable 3 1/2 C 50 sq.mm.	Rmt.	50	207.00	10350.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	268853.40

Sheet No.8

Cost data for Control cable 1 X10 MVA 22/11 KV Sub.Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	125	474.00	59250.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	130	309.00	40170.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	55	125.00	6875.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	50	79.00	3950.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	100	92.00	9200.00
5	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	119963.00

C Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A)	347011.5
2	Control room (As per table B) outdoor	3066043.5
3	Store room of size 8.0m X 6.0 m (As per table C)	965146.6
4	Sanitary Water supply	0
5	Electrification (Lumsum)	142595.2425
6	WBM Road (As per table D)	583925
7	Chain link fencing and Bar bed wire fencing (As per table E)	2023680.78
8	Metal Spreading (As per table F)	202203.5
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (1+3 Bay) + Stn Trans. (As table G) Outdoor	1002132.05
10	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	0
11	10 MVA Power Transformer Plinth Foundation (as per table G2)	0
12	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Outdoor	0
13	Water Supply arrangement for C/Room and Switch Yard.(As per table H)	76609
14	Borewell including pumpset and allied accessories. (As per table I)	114783
15	Const.of cable trench with covers in S/Yard. (As per table J)	402997.58
16	Construction of retaining wall. (As per table K)	1045707
17	Rain Water Harvesting (As per Table L)	82661.7992
18	Culvert (As per Table N) If required	202988
	Civil works for NFIPS System	171360
	Total=	10258484.55

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.0403A

Cost data for 22/11 KV, 2x5 MVA Substation (Outdoor) with RSJ pole structure

Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	22 KV SIDE				
1	22 KV Lightning Arrestors (Station type)	Set	4	13866.00	55464.00
2	22 KV Isolators with EB (800 A)	Set	2	52349.00	104698.00
3	22 KV Isolators without EB (800 Amp.)	Set	5	44957.00	224785.00
4	22 KV Post Insulator	Nos	6	498.00	2988.00
5	RSJ 125x70, 8 m long	Nos	16	6322.00	101152.00
6	MS Channel 100x50x6 mm	Kg.	3300	70.00	231000.00
7	M.S. Angel(75 X 40 mm)	Kg.	200	70.00	14000.00
8	M.S. Flats(50 X 10mm)	Kg.	160	65.00	10400.00
9	Disc Insulator 11 KV 70 KN	Nos	72	326.00	23472.00
10	AAAC 232 mm2	MTR	200	162.00	32400.00
11	Strain Hardware for AAAC232 sq.mm.	Nos	12	693.00	8316.00
12	Earthing complete as per Sheet no.1	Set	2	298186.00	596372.00
13	Power Transformer 22/11 KV, 5 MVA (DY-11)	No	2	4908235.00	9816470.00
14	22 KV P.T.	Nos	3	23569.00	70707.00
15	22 KV C.T. Three core.	Nos	6	32999.00	197994.00
16	22 KV VCB complete 1600 Amp (O.D.)	Set	2	227194.00	454388.00
17	C&R panel for 22 KV Transformer with 1 A relay	No	2	95551.00	191102.00
18	22 kv Pin Insulators with G.I. Pins	Nos	24	406.00	9744.00
19	Structure for 22 KV CT & PT as per Sheet no.2	No	2	64960.00	129920.00
20	G.I.Nut Bolts	KG	150	112.00	16800.00
21	Fire Extinguisher with stand 9 Kg.	Set	L.S	4830.00	4000.00
22	Marshalling Box	Nos.	4	5783.00	23132.00
B	11 KV SIDE				
23	11 kv 250 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Islators, C.T. & P.T. etc.	Set	2	1078087.00	2156174.00
24	L.As. 11 KV (Gapless type) with disconnector	Set	2	1531.00	3062.00
25	Take off structure for 3 outgoing feeder as per Sheet no.3	No.	2	356145.00	712290.00
26	11 kv Pin Insulators with G.I. Pins	No.	24	120.00	2880.00
27	Clamps and Connectors as per Sheet no.4	No.	1	289113.00	289113.00
28	Structure for 11 KV Main Bus as per Sheet no.5	No.	2	279619.00	559238.00
29	S/S Yard lighting as per Sheet no.6	No.	1	178380.00	178380.00
30	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
31	11/0.43 KV x 100 KVA station Transformer as per Sheet no.7	No.	1	268853.40	268853.40
32	Control cables for S/S as per Sheet no.8	No.	2	241283.00	482566.00
33	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

Cost of material

17078985.40

1	Erection cost on material	5.00%	853949
2	Contractor supervision charges on material	5.00%	853949
	Sub-Total		18786884
3	Contractor's Profit	5.00%	939344
	Sub-Total		19726228
4	Transportation on material	4.00%	683159
5	T&P on material cost	1.00%	170790
6	Contingencies on material	2.00%	341580
	Service Cost		42355884
	Sub-Total		20921757
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	41844
	Sub-Total		20963601
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	38783
9	Insurance	1.00%	209636
10	Turnkey Charges	0.00%	0
	Total		21212019
9	Civil works	No.	1
	Total Cost of Estimate		32350751

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	29951417	21212100
Civil works	15148676	11138732
Total Cost of the Estimate	45100092	32350832

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for Earthing Work at 2x5 MVA at 22/11 KV sub stn. (outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	298186.00

Sheet No.2

Cost data of Structure for 22 KV CT & PT at 2x5 MVA 22/11 KV Sub Stn.(Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 22 KV PT	Kg.	315	70.00	22050.00
2	Structure for 22 KV CT	Kg.	360	70.00	25200.00
3	Structure for 22 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet No :
3

Cost data for Take off structure for 11 KV Feeders 3 outlets at 2x5 MVA 22/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	8	12493.00	99944.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 100 mm ²	Rmt.	150	70.00	10500.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	18	642.00	11556.00
b)	T-Connector for 100 sq mm conductor	Nos.	18	843.00	15174.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	356145.00

Sheet No.
4

Cost data for Clamps & Connectors at 2x5 MVA 22/11 kv sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 22 KV Isolator	Nos.	42	1173.00	49266.00
3	Connectors for T/F Bushing	Nos.	12	4350.00	52200.00
4	Clamps for 22 KV C.T.	Nos.	12	1639.00	19668.00
5	Clamps for 22 KV P.T.	Nos.	3	1639.00	4917.00
6	Clamp for 22 KV VCB	Nos.	12	2346.00	28152.00
				Total:	289113.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.5

Cost data for Structure of 11 KV Main Bus at 2x5MVA, 22/11 KV Sub-Station (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
7	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
10	AAAC 100 mm2	Rmt.	150	70.00	10500.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	T-Connector for 100 sq mm conductor	Nos.	12	843.00	10116.00
15	Miscellaneous material	LS	1	518.00	518.00
				Total:	279619.00

Sheet No.6

Cost data for Yard Lighting of 2x5 MVA , 22/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cmt	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
					178380.00

Sheet No.7

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 2x5 MVA 22/11 KV sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
7	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
8	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
9	11 kV Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
10	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	10	275.00	2750.00
11	L.T. XLPE armoured cable 3 1/2 C 50 sq.mm.	Rmt.	50	207.00	10350.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	268853.40

Sheet No.8

Cost data for Control cable 2X5 MVA 22/11 KV Sub.Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
5	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A)	347011.5
2	Control room (As per table B) outdoor	3066043.5
3	Store room of size 8.0m X 6.0 m (As per table C)	965146.6
4	Sanitary Water supply	0
5	Electrification (Lumsum)	142595.2425
6	WBM Road (As per table D)	583925
7	Chain link fencing and Bar bed wire fencing (As per table E)	2023680.78
8	Metal Spreading (As per table F)	202203.5
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (1+3 Bay) + Stn Trans. (As table G) Outdoor	1002132.05
10	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	880247.6
11	10 MVA Power Transformer Plinth Foundation (as per table G2)	0
12	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Outdoor	0
13	Water Supply arrangement for C/Room and Switch Yard.(As per table H)	76609
14	Borewell including pumpset and allied accessories. (As per table I)	114783
15	Const.of cable trench with covers in S/Yard. (As per table J)	402997.58
16	Construction of retaining wall. (As per table K)	1045707
17	Rain Water Harvesting (As per Table L)	82661.7992
18	Culvert (As per Table N) If required	202988
	Total=	11138732.15

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0404A

Cost data for 22/11 KV, 2x10 MVA Substation (Outdoor) with RSJ pole structure

Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	22 KV SIDE				
1	22 KV Lightning Arrestors (Station type)	Set	4	13866.00	55464.00
2	22 KV Isolators with EB (800 A)	Set	2	52349.00	104698.00
3	22 KV Isolators without EB (800 Amp.)	Set	7	44957.00	314699.00
4	22 KV Post Insulator	Nos	6	498.00	2988.00
5	RSJ 125x70, 8 m long	Nos	8	6322.00	50576.00
6	MS Channel 100x50x6 mm	Kg.	1650	70.00	115500.00
7	M.S. Angle(75 X 40 mm)	Kg.	100	70.00	7000.00
8	M.S. Flats(50 X 10mm)	Kg.	80	65.00	5200.00
9	Disc Insulator 11 KV 70 KN	Nos	36	326.00	11736.00
10	AAAC 232 mm2	MTR	200	162.00	32400.00
11	Strain Hardware for AAAC232 sq.mm.	Nos	12	693.00	8316.00
12	Earthing complete as per Sheet no.1	Set	2	298186.00	596372.00
13	Power Transformer 22/11 KV, 10 MVA (DY-11)	No	2	8382929.00	16765858.00
14	22 KV P.T.	Nos	3	23569.00	70707.00
15	22 KV C.T. Three core.	Nos	6	32999.00	197994.00
16	22 KV VCB complete 1600 Amp (O.D.)	Set	2	227194.00	454388.00
17	C&R panel for 22 KV Transformer with Diff. Protection	No	2	143471.00	286942.00
18	22 kv Pin Insulators with G.I. Pins	Nos	12	406.00	4872.00
19	Structure for 22 KV CT & PT as per Sheet no.2	No	2	64960.00	129920.00
20	G.I.Nut Bolts	KG	150	112.00	16800.00
21	Fire Extinguisher with stand 9 Kg.	Set	L.S	4830.00	4830.00
B	11 KV SIDE				
22	11 kv 250 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Islators, C.T. & P.T. etc.	Set	2	1078087.00	2156174.00
23	Take off structure for 3 outgoing feeder as per Sheet no.3	No.	2	439101.00	878202.00
24	11 kV Pin Insulators with G.I. Pins	No.	24	120.00	2880.00
25	L.As. 11 KV (Gapless type) with disconnector	Set	2	1531.00	3062.00
26	Clamps and Connectors as per Sheet no.4	No.	1	294633.00	294633.00
27	Structure for 11 KV Main Bus as per Sheet no.5	No.	2	341191.00	682382.00
28	S/S Yard lighting as per Sheet no.6	No.	1	178380.00	178380.00
29	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
30	11/0.43 KV x 100 KVA station Transformer as per Sheet no.7	No.	1	274033.40	274033.40
31	Control cables for S/S as per Sheet no.8	No.	1	241283.00	241283.00
32	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

Cost of material

24055414.40

1	Erection cost on material	5.00%	1202771
2	Contractor supervision charges on material	5.00%	1202771
	Sub-Total		26460956
3	Contractor's Profit	5.00%	1323048
	Sub-Total		27784004
4	Transportation on material	4.00%	962217
5	T&P on material cost	1.00%	240554
6	Contingencies on material	2.00%	481108
	Service Cost		59657428
	Sub-Total		29467883
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	58936
	Sub-Total		29526818
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	54625
9	Insurance	1.00%	295268
10	Turnkey Charges	0.00%	0
	Total		29876711

9	Civil works	No.	1	11518326
	Total Cost of Estimate			41395037

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	42185980	29876825
Civil works	15664923	11518326
Total Cost of the Estimate	57850904	41395151

Sheet No.1

Cost data for Earthing Work at 2x 10 MVA at 22/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	298186.00

Sheet No.2

Cost data of Structure for 22 KV CT & PT at 2x 10 MVA, 22/11 KV S/Strn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 22 KV PT	Kg.	315	70.00	22050.00
2	Structure for 22 KV CT	Kg.	360	70.00	25200.00
3	Structure for 22 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet No :

3

Cost data for Take off structure for 11 KV Feeders 3 outlets at 2x5 MVA 22/11 KV Sub Strn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	8	12493.00	99944.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for AAAC232 sq.mm.	Nos.	36	693.00	24948.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 232 mm2	Rmt.	150	162.00	24300.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	PANTHER TO PANTHER or equivalent AAAC	Nos.	18	826.00	14868.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	18	3855.00	69390.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	439101.00

Sheet No.

4

Cost data for Clamps & Connectors at 2x10 MVA 22/11 kv sub strn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	PANTHER TO PANTHER or equivalent AAAC	Nos.	30	826.00	24780.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 22 KV Isolator	Nos.	42	1173.00	49266.00
3	Connectors for T/F Bushing	Nos.	12	4350.00	52200.00
4	Clamps for 22 KV C.T.	Nos.	12	1639.00	19668.00
5	Clamps for 22 KV P.T.	Nos.	3	1639.00	4917.00
6	Clamp for 22 KV VCB	Nos.	12	2346.00	28152.00
				Total:	294633.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.5

Cost data for Structure of 11 KV Main Bus at 2X10MVA, 22/11 KV Sub-station (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for AAAC232 sq.mm.	Nos.	36	693.00	24948.00
7	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
10	AAAC 232 mm2	Rmt.	150	162.00	24300.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	T-Connector for 200 sq mm conductor(Compression type)	Nos.	12	3855.00	46260.00
15	Miscellaneous material	LS	1	518.00	518.00
				Total:	341191.00

Sheet No.6

Cost data for Yard Lighting of 2X10 MVA, 22/11 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cum	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	178380.00

Sheet No.7

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 2x10 MVA 22/11 S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
7	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
8	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
9	11 kV Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
10	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt.	10	453.00	4530.00
11	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	50	275.00	13750.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	274033.40

Sheet No.8

Cost data Control cable 2 X10 MVA 22/11KV S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
5	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A)	347011.5
2	Control room (As per table B) outdoor	3066043.5
3	Store room of size 8.0m X 6.0 m (As per table C)	965146.6
4	Sanitary Water supply	0
5	Electrification (Lumsum)	142595.2425
6	WBM Road (As per table D)	583925
7	Chain link fencing and Bar bed wire fencing (As per table E)	2023680.78
8	Metal Spreading (As per table F)	202203.5
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (1+3 Bay) + Stn Trans. (As table G) Outdoor	1002132.05
10	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	880247.6
11	10 MVA Power Transformer Plinth Foundation (as per table G2)	0
12	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Outdoor	36873.85
13	Water Supply arrangement for C/Room and Switch Yard.(As per table H)	76609
14	Borewell including pumpset and allied accessories. (As per table I)	114783
15	Const.of cable trench with covers in S/Yard. (As per table J)	402997.58
16	Construction of retaining wall. (As per table K)	1045707
17	Rain Water Harvesting (As per Table L)	82661.7992
18	Culvert (As per Table N) If required	202988
	Civil works for NFIPS System (2 PTFs)	342720
	Total=	11518326

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0405A

Cost data for 22/11 KV,1x5 MVA & 1x10 MVA Outdoor Substation with RSJ pole structure

Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A					
22 KV SIDE					
1	22 KV Lightning Arrestors (Station type)	Set	4	13866.00	55464.00
2	22 KV Isolators with EB (800 A)	Set	2	52349.00	104698.00
3	22 KV Isolators without EB (800 Amp.)	Set	5	44957.00	224785.00
4	22 KV Post Insulator	Nos	6	498.00	2988.00
5	RSJ 125x70, 8 m long	Nos	16	6322.00	101152.00
6	MS Channel 100x50x6 mm	Kg.	3300	70.00	231000.00
7	M.S. Angel(75 X 40 mm)	Kg.	200	70.00	14000.00
8	M.S. Flats(50 X 10mm)	Kg.	160	65.00	10400.00
9	Disc Insulator 11 KV 70 KN	Nos	72	326.00	23472.00
10	AAAC 232 mm2	MTR	200	162.00	32400.00
11	Strain Hardware for AAAC232 sq.mm.	Nos	12	693.00	8316.00
12	Earthing complete as per Sheet no.1	Set	2	298186.00	596372.00
13	Power Transformer 22/11 KV, 5 MVA (DY-11)	No	1	4908235.00	4908235.00
14	Power Transformer 22/11 KV, 10 MVA (DY-11)	No	1	8382929.00	8382929.00
15	22 KV P.T.	Nos	3	23569.00	70707.00
16	22 KV C.T. Three core.	Nos	6	32999.00	197994.00
17	22 KV VCB complete 1600 Amp (O.D.)	Set	2	227194.00	454388.00
18	C&R panel for 22 KV Transformer with Diff. Protection	No	1	143471.00	143471.00
19	C&R panel for 22 KV Transformer with 1 A relay	No	1	95551.00	95551.00
20	22 kV Pin Insulators with G.I. Pins	Nos	24	406.00	9744.00
21	Structure for 22 KV CT & PT as per Sheet no.2	No	2	64960.00	129920.00
22	G.I.Nut Bolts	KG	150	112.00	16800.00
23	Fire Extinguisher with stand 9 Kg.	Set	L.S	4830.00	4830.00
24	Marshalling Box	Nos.	4	5783.00	23132.00
B					
11 KV SIDE					
25	11 kv 250 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Islators, C.T. & P.T. etc.	Set	2	1078087.00	2156174.00
26	L.As. 11 KV (Gapless type) with disconnector	Set	2	1531.00	3062.00
27	Take off structure for 3 outgoing feeder as per Sheet no.3	No.	2	421373.00	842746.00
28	11 kV Pin Insulators with G.I. Pins	No.	24	120.00	2880.00
29	Clamps and Connectors as per Sheet no.4	No.	1	216471.00	216471.00
30	Structure for 11 KV Main Bus as per Sheet no.5	No.	2	363317.00	726634.00
31	S/S Yard lighting as per Sheet no.6	No.	1	178380.00	178380.00
32	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
33	11/0.43 KV x 100 KVA station Transformer as per Sheet no.7	No.	1	268853.40	268853.40
34	Control cables for S/S as per Sheet no.8	No.	2	241283.00	482566.00
35	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

Cost of material

20827639.40

1	Erection cost on material	5.00%	1041382
2	Contractor supervision charges on material	5.00%	1041382
Sub-Total			22910403
3	Contractor's Profit	5.00%	1145520
Sub-Total			24055924
4	Transportation on material	4.00%	833106
5	T&P on material cost	1.00%	208276
6	Contingencies on material	2.00%	416553
Service Cost			51652546
Sub-Total			25513858
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	51028
Sub-Total			25564886
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	47295
9	Insurance	1.00%	255649
10	Turnkey Charges	0.00%	0
Total			25867830
9	Civil works	No.	1
Total Cost of Estimate			37214796

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	36525431	25867928
Civil works	15431874	11346966
Total Cost of the Estimate	51957305	37214894

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for Earthing Work at 22/11 KV for 1x5 MVA & 1x10 MVA Outdoor Sub stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	298186.00

Sheet No.2

Cost data of Structure for 22 KV CT & PT at 1x5 MVA & 1x10 MVA Outdoor Sub stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 22 KV PT	Kg.	315	70.00	22050.00
2	Structure for 22 KV CT	Kg.	360	70.00	25200.00
3	Structure for 22 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet No :

3

Cost data for Take off structure for 11 KV Feeders 3 outlets at 22/11 KV ,1x5 MVA & 1x10 MVA Outdoor Sub stn.

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for AAAC232 sq.mm.	Nos.	36	693.00	24948.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 232 mm2	Rmt.	150	162.00	24300.00
12	AAAC 100 mm2	Rmt.	151	70.00	10570.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	G.I.Nut Bolts	Kg.	50	112.00	5600.00
15	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
16	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	18	642.00	11556.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	18	3855.00	69390.00
17	Miscellaneous material	LS	1	518.00	518.00
				Total:	421373.00

Sheet No.

4

Cost data for Clamps & Connectors at 22/11 kv 1x5 MVA & 1x10 MVA Outdoor Sub stn.

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	PANTHER TO PANTHER or equivalent AAAC	Nos.	30	826.00	24780.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 22 KV Isolator	Nos.	18	1173.00	21114.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 22 KV C.T.	Nos.	6	1639.00	9834.00
5	Clamps for 22 KV P.T.	Nos.	3	1639.00	4917.00
6	Clamp for 22 KV VCB	Nos.	6	2346.00	14076.00
				Total:	216471.00

Sheet No.5

Cost data for Structure of 11 KV Main Bus at 22/11 KV 1x5 MVA & 1x10 MVA Outdoor Sub stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for AAAC232 sq.mm.	Nos.	36	693.00	24948.00
7	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
10	AAAC 232 mm2	Rmt.	150	162.00	24300.00
11	AAAC 100 mm2	Rmt.	151	70.00	10570.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
	Wedge Connectors				
a)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	12	3855.00	46260.00
b)	DOG TO DOG or equivalent AAAC	Nos.	18	642.00	11556.00
17	Miscellaneous material	LS	1	518.00	518.00
				Total:	363317.00

Sheet No.6

Cost data for Yard Lighting of 22/11 KV 1x5 MVA & 1x10 MVA Outdoor Sub stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cmt	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
					178380.00

Sheet No.

7

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 22/11 KV 1x5 MVA & 1x10 MVA Outdoor Sub stn.

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
7	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
8	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
9	11 kV Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
10	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	10	275.00	2750.00
11	L.T. XLPE armoured cable 3 1/2 C 50 sq.mm.	Rmt.	50	207.00	10350.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	268853.40

Sheet No -
8

Cost data for Control cable 22/11 KV 1x5 MVA & 1x10 MVA Outdoor Sub stn.

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
5	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A)	347011.5
2	Control room (As per table B) outdoor	3066043.5
3	Store room of size 8.0m X 6.0 m (As per table C)	965146.6
4	Sanitary Water supply	0
5	Electrification (Lumsum)	142595.2425
6	WBM Road (As per table D)	583925
7	Chain link fencing and Bar bed wire fencing (As per table E)	2023680.78
8	Metal Spreading (As per table F)	202203.5
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (1+3 Bay) + Stn Trans. (As table G) Outdoor	1002132.05
10	Equipment Foundations for additional 1X 5 MVA or 1X10 MVA (1+3 Bay) (As table G1) Outdoor	880247.6
11	10 MVA Power Transformer Plinth Foundation (as per table G2)	0
12	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Outdoor	36873.85
13	Water Supply arrangement for C/Room and Switch Yard.(As per table H)	76609
14	Borewell including pumpset and allied accessories. (As per table I)	114783
15	Const.of cable trench with covers in S/Yard. (As per table J)	402997.58
16	Construction of retaining wall. (As per table K)	1045707
17	Rain Water Harvesting (As per Table L)	82661.7992
18	Culvert (As per Table N) If required	202988
	Civil works for NFIPS System	171360
	Total=	11346966

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0402B

Cost data for 22/11 KV, 1 X 10 MVA Indoor S/s

Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	22 kV Switchgear part				
1	Power Transformer 22/11 KV, 10 MVA (DY-11)	No.	1	8382929.00	8382929.00
2	C&R panel for 22 KV Transformer with Diff. Protection	No.	1	143471.00	143471.00
3	22 kV 1000 MVA 1600 Amp.IN Door Type VCB	No.	1	1246236.00	1246236.00
4	XLPE Cable 22 KV, 3 C / 300 mm sq.	Mtr.	100	1971.00	197100.00
5	22 kV Heat shrik Indoor termination joint (Al) kit for XLPE 3 C X 300 sqmm	No.	4	13389.00	53556.00
6	22 kV SF6 Isolator	No.	2	516093.00	1032186.00
7	Foundation for 22 KV Isolators	Cmt.	5.2	6604.00	34340.80
8	RSJ 152x152, 13 m long	No.	2	29109.00	58218.00
9	Concreting ration 1:3:6	Cmt.	2.02	4328.00	8742.56
10	22 KV Lightning Arrestors (Screw type)	Set	1	9853.00	9853.00
11	Marshalling Box	No.	2	5783.00	11566.00
12	0.2 ACSR or equivalent AAAC Loop Connector	No.	12	943.00	11316.00
13	Clamps for 22 KV Isolator	No.	12	1173.00	14076.00
14	Transformer Clamps	No.	6	850.00	5100.00
15	AAAC 232 mm2	Mtr.	50	162.00	8100.00
16	Sundries	L.S.	1	886.00	886.00
B	11 kV Switchgear part				
17	11kV I D switchgear (1 I/c+1 B/c+4O/G)	Set	1	2154320.00	2154320.00
18	XLPE Cable 11 KV, 3 C / 300 mm sq.	Mtr.	1000	1498.00	1498000.00
19	11 kV heat shrinkable Indoor termination joint kit for 3 C X 300 sqmm	No.	24	1728.00	41472.00
20	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
21	Control cables for S/S as per Sheet no.1	No.	1	320163.00	320163.00
22	Earthing complete as per Sheet no.2	Set	1	72489.00	72489.00
23	Sundries	L.S.	1	886.00	886.00

Cost of material

15387806.36

1	Erection cost on material	5.00%	769390
2	Contractor supervision charges on material	5.00%	769390
	Sub-Total		16926587
3	Contractor's Profit	5.00%	846329
	Sub-Total		17772916
4	Transportation on material	4.00%	615512
5	T&P on material cost	1.00%	153878
6	Contingencies on material	2.00%	307756
	Service Cost		38161760
	Sub-Total		18850063
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	37700
	Sub-Total		18887763
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	34942
9	Insurance	1.00%	188878
10	Turnkey Charges	0.00%	0
	Total		19111583
9	Civil Works for plinth and other foundation works	L.S.	7913122
	Total Cost of Estimate		27024705

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	26985596	19111655
Civil works	10761846	7913122
Total Cost of the Estimate	37747442	27024778

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No -

1

Cost data for Control cable 22/11 KV 1x10 MVA Indoor Sub stn.

Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
1	Armoured Copper control cable 19C X 2.5 Sq mm	Mtr.	200	474.00	94800.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Mtr.	200	309.00	61800.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Mtr.	200	125.00	25000.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Mtr.	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	100	92.00	9200.00
6	Cable Trays 2.5 Mtr. X 6" W	No.	100	383.00	38300.00
7	G.I Angles (50X50X6mm) forcable tray	Kg.	400	95.00	38000.00
8	Sand	Cmt.	150	280.00	42000.00
9	Sundries e.g. Ferulls, Glands, Lugs etc.	L.S.	1	3163.00	3163.00
				Total	320163.00

Sheet No.

2

Cost data for Earthing Work at 22/11 KV for 1X10 MVA Indoor Sub stn.

Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
1	Earthing HDG Flat 75 X 10 mm	kg.	150	90.00	13500.00
2	Earthing HDG Flat 50 X 6 mm	kg.	75	90.00	6750.00
3	C.I. Plates 2' X 2'	No.	4	333.00	1332.00
4	C.I. Pipes 4" dia 3 Metre Long	No.	4	9761.00	39044.00
5	Salt	kg.	300	12.00	3600.00
6	Coal	kg.	300	17.00	5100.00
7	Sundries e.g. Ferulls, Glands, Lugs etc.	L.S.	1	3163.00	3163.00
				Total	72489.00

Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A) Indoor	215205.5
2	Control room (As per table B) Indoor	4184289.6
3	Store room of size 8.0m X 6.0 m (As per table C) Indoor	0
4	Sanitary Water supply	0
5	Electrification (Lumsum)	142595.2425
6	WBM Road (As per table D) Indoor	328399.75
7	Chain link fencing and Bar bed wire fencing (As per table E) Indoor	732319
8	Metal Spreading (As per table F) Indoor	75340
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.8
10	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	0
11	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Hybrid / Indoor / GIS	0
12	Water Supply arrangement for C/Room and Switch Yard.(As per table H) Indoor	69775
13	Borewell including pumpset and allied accessories. (As per table I) Indoor	114769.1526
14	Const.of cable trench with covers in S/Yard. (As per table J) Indoor	228478
15	Construction of retaining wall. (As per table K) Indoor	786586
16	Rain Water Harvesting (As per Table L) Indoor	83020.2992
17	Culvert (As per Table N) Indoor if required	197715
Civil works for NFIPS System		171360
		7913122.344

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.0403C

Cost data for 22/11 KV, 2x5 MVA Substation, 22 kv O/D, 11 kv I/D

Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	22 KV SIDE				
1	22 KV Lightning Arrestors (Station type)	Set	3	13866.00	41598.00
2	22 KV Isolators with EB (800 A)	Set	1	52349.00	52349.00
3	22 KV Isolators without EB (800 Amp.)	Set	4	44957.00	179828.00
4	22 KV Post Insulator	Nos	6	498.00	2988.00
5	Gantry Structure/Steel section for 22 KV Bus as per Sheet No.1	Nos	2	246120.53	492241.05
6	Disc Insulator 11 KV 70 KN	Nos	72	326.00	23472.00
7	AAAC 232 mm2	MTR	200	162.00	32400.00
8	Strain Hardware for AAAC232 sq.mm.	Nos	12	693.00	8316.00
9	Earthing complete as per Sheet no.2	Set	2	298186.00	596372.00
10	Power Transformer 22/11 KV, 5 MVA (DY-11)	No	2	4908235.00	9816470.00
11	22 KV P.T.	Nos	3	23569.00	70707.00
12	22 KV C.T. Three core.	Nos	6	32999.00	197994.00
13	22 KV VCB complete 1600 Amp (O.D.)	Set	3	227194.00	681582.00
14	C&R panel for 22 KV Transformer with 1 A relay	No	2	95551.00	191102.00
15	C&R panel for 22 KV feeder breaker	No	1	62803.00	62803.00
16	22 kv Pin Insulators with G.I. Pins	Nos	24	406.00	9744.00
17	Structure for 22 KV CT & PT as per Sheet no.3	No	2	64960.00	129920.00
18	G.I.Nut Bolts	KG	150	112.00	16800.00
19	Marshalling Box	Nos.	4	5783.00	23132.00
B	11 KV SIDE				
20	11KV I D switchgear (2 I/c+1 B/c+8O/G)	Set	1	3943286.00	3943286.00
21	XLPE Cable 11 KV, 3 C / 300 mm sq.	MTR	1600	1498.00	2396800.00
22	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
23	11 kv heat shrinkable Indoor termination joint kit for 3 C X 300 sqmm	No.	20	1728.00	34560.00
24	Clamps and Connectors as per Sheet no.4	No.	1	101331.00	101331.00
25	S/S Yard lighting as per Sheet no.5	No.	1	178380.00	178380.00
26	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
27	11/0.43 KV x 100 KVA station Transformer as per Sheet no.6	No.	1	276978.40	276978.40
28	Control cables for S/S as per Sheet no.7	No.	1	241283.00	241283.00
29	AC Distribution Board 'B' type	No.	1	24325.00	24325.00

Cost of material

20053343.45

1	Erection cost on material	5.00%	1002667
2	Contractor supervision charges on material	5.00%	1002667
	Sub-Total		22058678
3	Contractor's Profit	5.00%	1102934
	Sub-Total		23161612
4	Transportation on material	4.00%	802134
5	T&P on material cost	1.00%	200533
6	Contingencies on material	2.00%	401067
	Service Cost		49732292
	Sub-Total		24565346
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	49131
	Sub-Total		24614476
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	45537
9	Insurance	1.00%	246145
10	Turnkey Charges	0.00%	0
	Total		24906158
9	Civil Works for plinth and other foundation works	L.S.	8454374
	Total Cost of Estimate		33360532

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	35167548	24906253
Civil works	11497949	8454374
Total Cost of the Estimate	46665497	33360627

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for 22 KV Gantry M.S.structure/steel section for 2x5 MVA Sub stn. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(4 Nos.)-496.0 kg.	MT	2.976	65475.00	194853.60
2	Beam type HA(2 Nos.)-261.0 Kg.	MT	0.783	65475.00	51266.93
Total:					246120.53

Sheet No.2

Cost data for Earthing Work at 2x5 MVA at 22/11 KV sub stn. (outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	0	293.00	0.00
6	Sundries	L.S.	1	886.00	886.00
Total:					298186.00

Sheet No.3

Cost data of Structure for 22 KV CT & PT at 2x5 MVA 22/11 KV Sub Stn.(Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 22 KV PT	Kg.	315	70.00	22050.00
2	Structure for 22 KV CT	Kg.	360	70.00	25200.00
3	Structure for 22 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
Total:					64960.00

Sheet No.

4

Cost data for Clamps & Connectors at 2x5 MVA 22/11 kv sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	T-Connector for 100 sq mm conductor	Nos.	30	843.00	25290.00
2	Clamps for 22 KV Isolator	Nos.	18	1173.00	21114.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 22 KV C.T.	Nos.	6	1639.00	9834.00
5	Clamps for 22 KV P.T.	Nos.	3	1639.00	4917.00
6	Clamp for 22 KV VCB	Nos.	6	2346.00	14076.00
Total:					101331.00

Sheet No.5

Cost data for Yard Lighting of 2x5 MVA , 22/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cmt	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
Total:					178380.00

Sheet No.

6

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 2x5 MVA 22/11 KV sub strn.

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	G.I.Channel 100x50x6mm	Kg.	290	95.00	27550.00
2	G.I.Channel 75x40x6mm	Kg.	15	95.00	1425.00
3	G.I Flat 75x10 mm	Kg.	20	90.00	1800.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
7	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
8	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
9	11 kV Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
10	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	10	275.00	2750.00
11	L.T. XLPE armoured cable 3 1/2 C 50 sq.mm.	Rmt.	50	207.00	10350.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	276978.40

Sheet No -

7

Cost data for Control cable 2X5 MVA 22/11 KV Sub.Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
5	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C

Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A) Hybrid	221065
2	Control room (As per table B) Hybrid	4190851.4
3	Store room of size 8.0m X 6.0 m (As per table C) Hybrid	0
4	Sanitary Water supply	0
5	Electrification (Lumsum)	142595.2425
6	WBM Road (As per table D) Hybrid	338243
7	Chain link fencing and Bar bed wire fencing (As per table E) Hybrid	728624
8	Metal Spreading (As per table F) Hybrid	141360
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.8
10	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.8
11	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Hybrid / Indoor / GIS	36851.8
12	Water Supply arrangement for C/Room and Switch Yard.(As per table H) Hybrid	71663
13	Borewell including pumpset and allied accessories. (As per table I) Hybrid	114766.09
14	Const.of cable trench with covers in S/Yard. (As per table J) Hybrid	234838
15	Construction of retaining wall. (As per table K) Hybrid	786241.75
16	Rain Water Harvesting (As per Table L) Indoor	83020.2992
17	Culvert (As per Table N) Indoor if required	197715
	Total=	8454374.182

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0501

Cost data for 22 Kv Switching Station (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	Rate	Amt.
1	22 KV feeder bay as per sheet "A"	Nos.	12	980643.40	11767720.80
2	22 KV Isolators without EB (800 Amp.)	Set	3	44957.00	134871.00
3	22 KV P.T.	No.	3	23569.00	70707.00
4	100 KVA, 22/0.4 KV with Dist. Box as per Sht.No.6.	Set	1	391680.40	391680.40
5	Battery set 30 Volt, 100 AH with Battery charger	Set	1	82800.00	82800.00
6	Bus Gantry and Fabrication material, Clamps, Connectors, Control Cables, and Earthing (As per Sht. No.1,2,3,5,7 &8.	L.S.	1	515484.53	515484.53
7	AC Distribution Board 'B' type	Nos.	1	24325.00	24325.00
8	Fire Extinguisher with stand 9 Kg.	LS	1	4830.00	4830.00
9	Switchyard lighting(As per Sht.no.4)	Nos.	1	125915.00	125915.00

Cost of material

13118333.73

1	Erection cost on material	5.00%	655917
2	Contractor supervision charges on material	5.00%	655917
	Sub-Total		14430167
3	Contractor's Profit	5.00%	721508
	Sub-Total		15151675
4	Transportation on material	4.00%	524733
5	T&P on material cost	1.00%	131183
6	Contingencies on material	2.00%	262367
	Service Cost		32533468
	Sub-Total		16069959
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	32140
	Sub-Total		16102099
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	29789
9	Insurance	1.00%	161021
10	Turnkey Charges	0.00%	0

Total

16292909

9	Civil works	No.	1	9883935
	Total Cost of Estimate			26176844

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	23005622	16292970
Civil works	13442152	9883935
Total Cost of the Estimate	36447773	26176905

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Sheet A

22 KV FEEDER BAY

Sr.No.	Description of Material	Unit	Qty.	Rate	Amt.
1	22 KV Lightning Arrestors (Screw type)	Set	1	9853.00	9853.00
2	22 KV Isolators with EB (800 A)	Set	1	52349.00	52349.00
3	22 KV Isolators without EB (800 Amp.)	Set	1	44957.00	44957.00
4	22 KV VCB complete 1600 Amp (O.D.)	Set	1	227194.00	227194.00
5	CT 200-100/1-1 A, 22 KV	Nos.	3	31372.00	94116.00
6	Control C&R Panel 22 KV for feeder with accessories.	Nos.	1	95551.00	95551.00
7	Structure and foundation cables, clamps, painting etc.as per sheet (A+B+C+D+F)	L.S.	1	439331.40	439331.40
8	Earthing as per Sheet (E)	L.S.	1	17292.00	17292.00

Cost of material

980643.40

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

22 KV Feeder bay (Structure, Foundation, Bus bar material, Cable , Earthing Materials & Painting)

Sr.No.	Description of Material	Unit	Qty.	Rate	Amount
A)	STRUCTURE				
1	Structure for 22 KV L.A.	Kg.	250	70.00	17500.00
2	Structure for 22 KV CT	Kg.	315	70.00	22050.00
3	G.I. Gantry Structures	Kg.	1000	95.00	95000.00
4	G.I.Nut Bolts	Kg.	100	112.00	11200.00
5	Welding Rods	Nos.	5000	4.00	20000.00
				Sub Total	165750.00
B)	FOUNDATION(Civil works)				
1	Foundation for 22 KV Isolators	Cmt.	1.3	6604.00	8585.20
2	Foundation for 22 KV Isolators without EB	Cmt.	1.3	6604.00	8585.20
3	Foundation for 22 KV Lightning Arrestor	Cmt.	1.3	6604.00	8585.20
4	Foundation for 22 KV C.Ts	Cmt.	1.3	6604.00	8585.20
5	Foundation for 22 KV Breaker	Cmt.	1.3	6604.00	8585.20
6	Foundation for Gantry Structures	Cmt.	2.6	6604.00	17170.40
				Sub Total:	60096.40
C)	BUS-BAR MATERIAL				
1	AAAC 232 mm2	Mtrs.	25	162.00	4050.00
	Wedge Connectors				
a)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
3	Breaker Clamps	Nos.	6	1941.00	11646.00
4	clamps for Isolator	Nos.	12	972.00	11664.00
5	Clamps for CTs	Nos.	6	1357.00	8142.00
6	Disc Insulator 11 KV 70 KN	Nos.	12	326.00	3912.00
7	Strain Hardware for AAAC232 sq.mm.	Nos.	6	693.00	4158.00
				Sub Total:	159222.00
D)	CONTROL CABLE				
1 a)	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt.	50	474.00	23700.00
b)	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt.	40	79.00	3160.00
c)	Armoured Copper control cable 2Cx4 sq.mm.	Rmt.	50	107.00	5350.00
2	Cable Trays 2.5 Mtr. X 6" W	Nos.	10	383.00	3830.00
3	Cable Glands, rerules and tape etc.	L.S.	-	603.00	603.00
4	Angle for fixing trays 50x50x6mm	Kg.	20	70.00	1400.00
5	Half round cement pipe (150mm X 1mtr)	Nos.	80	157.00	12560.00
6	Sand	Cmt.	4	280.00	1120.00
				Sub Total:	51723.00
E)	EARTHING WORK				
1	M.S. Flats(50 X 10mm)	Kg.	50	65.00	3250.00
2	M.S.Flat 25x6 mm	Kg.	20	65.00	1300.00
3	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	Nos.	1	7355.00	7355.00
4	Coal	Kg.	100	17.00	1700.00
5	Salt	Kg.	100	12.00	1200.00
6	Welding Rods	Nos.	50	4.00	200.00
7	Hiring of Welding machine	Nos.	1	274.00	274.00
8	Brick & Masonary works for earthing pit	Nos.	1	2013.00	2013.00
				Sub Total:	17292.00
F)	PAINTING OF STRUCTURE				
1	Red Oxide Paint for 2 coats	Ltrs.	10	124.00	1240.00
2	Aluminium Paint for 1 coat	Ltrs.	5	260.00	1300.00
				Sub Total:	2540.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for 22 KV Gantry M.S.structure/Steel Section for 22 KV Switching station (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(4 Nos.)-496.0 kg.	MT	2.976	65475.00	194853.60
2	Beam type HA(2 Nos.)-261.0 Kg.	MT	0.783	65475.00	51266.93
				Total:	246120.53

Sheet No.2

Cost data for Earthing Work at 22 KV switching station.(Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	140	65.00	9100.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	2	7355.00	14710.00
3	Coal	Kg.	200	17.00	3400.00
4	Salt	Kg.	200	12.00	2400.00
5	RCC Ring work for earthing pits	No.	2	293.00	586.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	31082.00

Sheet No.3

Cost data of Structure for 22 KV , PT H/G fuse set at 22 KV SW/S (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 22 KV PT	Kg.	315	70.00	22050.00
2	Structure for 22 KV H/G.	Kg.	155	70.00	10850.00
3	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	36260.00

Sheet No.4

Cost data for Yard Lighting at 22 KV switching station (Outdoor).

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	10	1625.00	16250.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	10	5800.00	58000.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	175	92.00	16100.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	75	45.00	3375.00
5	Concreting ration 1:3:6	Cmt	5.5	4328.00	23804.00
6	Red Bricks	No.	850	8.00	6800.00
7	Sand	Cum	2.5	280.00	700.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	125915.00

Sheet No.

5

Cost data for Clamps & Connectors bus connection at 22 KV SW/S. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
b)	DOG TO DOG or equivalent AAAC			642.00	0.00
2	Clamps for 22 KV Isolator	Nos.	18	1173.00	21114.00
3	Clamps for 22 KV P.T.	Nos.	3	1639.00	4917.00
				Total:	141681.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.

6

Cost data for 100 KVA, 22/0.43 KV Station T/F for 22KV Switching stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Dist.transformer 100kva,22/0.4kv	No.	1	278273.00	278273.00
2	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
3	22KV A.B.Switch, 400 A	Nos.	1	18203.00	18203.00
4	L.A.s 22KV (Gapless type) with disconnecter	Set	1	2753.00	2753.00
5	22 kv Pin Insulators with G.I. Pins	No.s	3	406.00	1218.00
6	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt.	10	453.00	4530.00
7	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	50	275.00	13750.00
8	Earthing Sets H.T	Nos.	3	462.00	1386.00
9	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
10	Coal	Kg.	200	17.00	3400.00
11	Salt	Kg.	200	12.00	2400.00
12	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
13	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
14	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	391680.40

Sheet No -

7

Cost data for Control cable for 22KV Switching Stn.(Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
2	Cable Trays 2.5 Mtr. X 6" W	Nos.	5	383.00	1915.00
3	G.I Angles (50X50X6mm) forcable tray	Kg.	10	95.00	950.00
4	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	11283.00

Sheet No -

8

Materials for 22 KV bus section at Switching Stn.(Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	AAAC 232 mm2	Rmt	200	162.00	32400.00
2	Disc Insulator 11 KV 70 KN	Nos.	24	326.00	7824.00
3	Strain Hardware for AAAC232 sq.mm.	Nos.	12	693.00	8316.00
4	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	49058.00

Sheet No -

9

Cost data for Civil works for 22 KV Switching station (Outdoor)

Sr.No.	Particular	Amount
1	Land Development (As per table A)	347011.5
2	Control room (As per table B) outdoor	3066043.5
3	Store room of size 8.0m X 6.0 m (As per table C)	965146.6
4	Sanitary Water supply	0
5	Electrification (Lumsum)	142595.2425
6	WBM Road (As per table D)	583925
7	Chain link fencing and Bar bed wire fencing (As per table E)	2023680.78
8	Metal Spreading (As per table F)	202203.5
9	Foundations for structures and equipments for switching station	632497
10	Water Supply arrangement for C/Room and Switch Yard.(As per table H)	76609
11	Borewell including pumpset and allied accessories. (As per table I)	114783
12	Const.of cable trench with covers in S/Yard. (As per table J)	402997.58
13	Construction of retaining wall. (As per table K)	1045707
14	Rain Water Harvesting (As per Table L) Indoor	83020.2992
15	Culvert (As per Table N) Indoor if required	197715
	Total=	9883935.002

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0502

Cost data for 11 Kv Switching Station (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	Rate	Amt.
1	11 KV feeder bay as per sheet "A"	Nos.	12	664790.40	7977484.80
2	11 KV Isolators without EB (800 Amp.)	Set	3	33554.00	100662.00
3	11 KV PT	Set	1	11834.00	11834.00
4	100 KVA, 11/0.4 KV with Dist. Box as per Sht.No.6.	Set	1	248548.40	248548.40
5	Battery set 30 Volt, 100 AH with Battery charger	Set	1	82800.00	82800.00
6	Bus Gantry and Fabrication material , Clamps,Connectors, Control Cables, and Earthing (As per Sht. No.1,2,3,5,7 &8.	L.S.	1	407493.53	407493.53
7	AC Distribution Board 'B' type	Nos.	1	24325.00	24325.00
8	Fire Extinguisher with stand 9 Kg.	LS	1	4830.00	4830.00
9	Switchyard lighting(As per Sht.no.4)	Nos.	1	125915.00	125915.00

Cost of material

8983892.73

1	Erection cost on material	5.00%	449195
2	Contractor supervision charges on material	5.00%	449195
	Sub-Total		9882282
3	Contractor's Profit	5.00%	494114
	Sub-Total		10376396
4	Transportation on material	4.00%	359356
5	T&P on material cost	1.00%	89839
6	Contingencies on material	2.00%	179678
	Service Cost		22280054
	Sub-Total		11005269
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	22011
	Sub-Total		11027279
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	20400
9	Insurance	1.00%	110273
10	Turnkey Charges	0.00%	0
	Total		11157952
9	Civil work as per sheet No.9		9883935
	Total Cost of Estimate		21041887

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	15755053	11157995
Civil works	13442152	9883935
Total Cost of the Estimate	29197204	21041930

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Sheet No.
A

11 KV FEEDER BAY

Sr.No.	Description of Material	Unit	Qty.	Rate	Amt.
1	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
2	11 KV Isolators with EB (800 A)	Set	1	37832.00	37832.00
3	11 KV Isolators without EB (800 Amp.)	Set	1	33554.00	33554.00
4	11 KV VCB 400 A Outdoor	Set	1	131054.00	131054.00
5	11 KV CT 400 - 200 / 5 - 5 Outdoor	Nos.	3	14007.00	42021.00
6	C&R Panel for 11 kV Outgoing Feeder OD	Nos.	1	62803.00	62803.00
7	Structure and foundation cables, clamps, painting etc.as per sheet (A+B+C+D+F)	L.S.	1	338703.40	338703.40
8	Earthing as per Sheet (E)	L.S.	1	17292.00	17292.00

Cost of material

664790.40

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

11 KV Feeder bay (Structure, Foundation, Bus bar material, Cable , Earthing Materials & Painting)

Sr.No.	Description of Material	Unit	Qty.	Rate	Amount
A)	STRUCTURE				
1	Structure for 11 KV L.A.	Kg.	250	70.00	17500.00
2	Structure for 11 KV CT	Kg.	315	70.00	22050.00
3	G.I. Gantry Structures	Kg.	1000	95.00	95000.00
4	G.I.Nut Bolts	Kg.	100	112.00	11200.00
5	Welding Rods	Nos.	5000	4.00	20000.00
				Sub Total	165750.00
B)	FOUNDATION(Civil works)				
1	Foundation for 11 kV Isolators	Cmt.	1.3	6604.00	8585.20
2	Foundation for 11 kV Isolators without EB	Cmt.	1.3	6604.00	8585.20
3	Foundation for 11 kV Lightning Arrestor	Cmt.	1.3	6604.00	8585.20
4	Foundation for 11 kV C.Ts	Cmt.	1.3	6604.00	8585.20
5	Foundation for 11 kV Breaker	Cmt.	1.3	6604.00	8585.20
6	Foundation for Gantry Structures	Cmt.	2.6	6604.00	17170.40
				Sub Total:	60096.40
C)	BUS-BAR MATERIAL				
1	AAAC 100 mm2	Mtrs.	25	70.00	1750.00
2	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
3	Breaker Clamps	Nos.	6	1941.00	11646.00
4	clamps for Isolator	Nos.	12	972.00	11664.00
5	Clamps for CTs	Nos.	6	1357.00	8142.00
6	Disc Insulator 11 KV 70 KN	Nos.	12	326.00	3912.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	6	370.00	2220.00
				Sub Total:	58594.00
D)	CONTROL CABLE				
1 a)	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt.	50	474.00	23700.00
b)	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt.	40	79.00	3160.00
c)	Armoured Copper control cable 2Cx4 sq.mm.	Rmt.	50	107.00	5350.00
2	Cable Trays 2.5 Mtr. X 6" W	Nos.	10	383.00	3830.00
3	Cable Glands, rerules and tape etc.	L.S.	-	603.00	603.00
4	Angle for fixing trays 50x50x6mm	Kg.	20	70.00	1400.00
5	Half round cement pipe (150mm X 1mtr)	Nos.	80	157.00	12560.00
6	Sand	Cmt.	4	280.00	1120.00
				Sub Total:	51723.00
E)	EARTHING WORK				
1	M.S. Flats(50 X 10mm)	Kg.	50	65.00	3250.00
2	M.S.Flat 25x6 mm	Kg.	20	65.00	1300.00
3	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	Nos.	1	7355.00	7355.00
4	Coal	Kg.	100	17.00	1700.00
5	Salt	Kg.	100	12.00	1200.00
6	Welding Rods	Nos.	50	4.00	200.00
7	Hiring of Welding machine	Nos.	1	274.00	274.00
8	Brick & Masonary works for earthing pit	Nos.	1	2013.00	2013.00
				Sub Total:	17292.00
F)	PAINTING OF STRUCTURE				
1	Red Oxide Paint for 2 coats	Ltrs.	10	124.00	1240.00
2	Aluminium Paint for 1 coat	Ltrs.	5	260.00	1300.00
				Sub Total:	2540.00

Sheet No.1

Cost data for 11 KV Gantry M.S.structure/Steel Section for 11 KV Switching station (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(4 Nos.)-496.0 kg.	MT	2.976	65475.00	194853.60
2	Beam type HA(2 Nos.)-261.0 Kg.	MT	0.783	65475.00	51266.93
				Total:	246120.53

Sheet No.2

Cost data for Earthing Work at 11 KV switching station.(Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	140	65.00	9100.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	2	7355.00	14710.00
3	Coal	Kg.	200	17.00	3400.00
4	Salt	Kg.	200	12.00	2400.00
5	RCC Ring work for earthing pits	No.	2	293.00	586.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	31082.00

Sheet No.3

Cost data of Structure for 11 KV CT, PT H/G fuse set at 11 KV SW/S (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 11 KV PT	Kg.	315	70.00	22050.00
2	Structure for 11 KV H/G.	Kg.	155	70.00	10850.00
3	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	36260.00

Sheet No.4

Cost data for Yard Lighting at 11 KV switching station (Outdoor).

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts & 250w SV Lamp	No.	10	1625.00	16250.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	10	5800.00	58000.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	175	92.00	16100.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	75	45.00	3375.00
5	Concreting ration 1:3:6	Cmt	5.5	4328.00	23804.00
6	Red Bricks	No.	850	8.00	6800.00
7	Sand	Cum	2.5	280.00	700.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	125915.00

Sheet No.
5

Cost data for Clamps & Connectors bus connection at 11 KV SW/S. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
2	clamps for Isolator	Nos.	18	972.00	17496.00
3	Clamp for PT	Nos.	3	1668.00	5004.00
				Total:	41760.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.

6

Cost data for 100 KVA, 11/0.43 KV Station T/F for 11 KV Switching stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
2	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
3	11KV A.B. Switch, 400 A	Nos.	1	11642.00	11642.00
4	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
5	11 kV Pin Insulators with G.I. Pins	No.s	3	120.00	360.00
6	L.T.XLPE Armoured 3.5 Core cable 120 sq.mm.	Rmt.	10	453.00	4530.00
7	L.T.XLPE Armoured 3.5 Core cable 70 sq.mm.	Rmt.	50	275.00	13750.00
8	Earthing Sets H.T	Nos.	3	462.00	1386.00
9	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
10	Coal	Kg.	200	17.00	3400.00
11	Salt	Kg.	200	12.00	2400.00
12	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
13	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
14	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
		Total:			248548.40

Sheet No -

7

Cost data for Control cable for 11 KV Switching Stn.(Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
2	Cable Trays 2.5 Mtr. X 6" W	Nos.	5	383.00	1915.00
3	G.I Angles (50X50X6mm) forcable tray	Kg.	10	95.00	950.00
4	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	11283.00

Sheet No -

8

Materials for 11 KV bus section at Switching Stn.(Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	AAAC 232 mm2	Rmt	200	162.00	32400.00
2	Disc Insulator 11 KV 70 KN	Nos.	12	326.00	3912.00
3	Strain Hardware for AAAC232 sq.mm.	Nos.	6	693.00	4158.00
4	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	40988.00

Sheet No -

9

Cost data for Civil works for 11 KV Switching station (Outdoor)

Sr.No.	Particular	Amount
1	Land Development (As per table A)	347011.5
2	Control room (As per table B) outdoor	3066043.5
3	Store room of size 8.0m X 6.0 m (As per table C)	965146.6
4	Sanitary Water supply	0
5	Electrification (Lumsum)	142595.2425
6	WBM Road (As per table D)	583925
7	Chain link fencing and Bar bed wire fencing (As per table E)	2023680.78
8	Metal Spreading (As per table F)	202203.5
9	Foundations for structures and equipments for switching station	632497
10	Water Supply arrangement for C/Room and Switch Yard.(As per table H)	76609
11	Borewell including pumpset and allied accessories. (As per table I)	114783
12	Const.of cable trench with covers in S/Yard. (As per table J)	402997.58
13	Construction of retaining wall. (As per table K)	1045707
14	Rain Water Harvesting (As per Table L) Indoor	83020.2992
15	Culvert (As per Table N) Indoor if required	197715
	Total=	9883935.002

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0601

Cost data for 33 KV FEEDER BAY (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	Rate	Amt.
1	33 KV Lightning Arrestors (Station type)	Set	1	15253.00	15253.00
2	33 KV Isolators with EB (800 A)	Set	1	69539.00	69539.00
3	33 KV Isolators without EB (800 Amp.)	Set	1	63643.00	63643.00
4	33 KV VCB complete 1600 Amp (O.D.)	Set	1	247885.00	247885.00
5	CT 200-100/1-1 A , 33 KV	Nos.	3	30826.00	92478.00
6	C&R panel for 33 KV for feeder breaker	Nos.	1	64484.00	64484.00
7	Structure, cables, clamps, painting etc.as per sheet (A+C+D+F)	L.S.	1	387023.00	387023.00
8	Marshalling Box	No	1	5783.00	5783.00
9	Earthing as per Sheet (E)	L.S.	1	17292.00	17292.00

Cost of material

963380.00

1	Erection cost on material	5.00%	48169
2	Contractor supervision charges on material	5.00%	48169
	Sub-Total		1059718
3	Contractor's Profit	5.00%	52986
	Sub-Total		1112704
4	Transportation on material	4.00%	38535
5	T&P on material cost	1.00%	9634
6	Contingencies on material	2.00%	19268
	Service Cost		2389182
	Sub-Total		1180141
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2360
	Sub-Total		1182501
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	2188
9	Insurance	1.00%	11825
10	Turnkey Charges	0.00%	0

Total

1196513

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	1689480	1196518
Civil works (Foundations)	81731	60096
Total Cost of the Estimate	1771211	1256614

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

33 KV Feeder bay (Structure, Foundation, Bus bar material, Cable , Earthing Materials & Painting)

Sr.No.	Description of Material	Unit	Qty.	Rate	Amount
A)	STRUCTURE				
1	Structure for 33 KV L.A.	Kg.	250	70.00	17500.00
2	Structure for 33 KV CT	Kg.	315	70.00	22050.00
3	G.I. Gantry Structures	Kg.	1000	95.00	95000.00
4	G.I.Nut Bolts	Kg.	100	112.00	11200.00
5	Welding Rods	Nos.	5000	4.00	20000.00
				Sub Total	165750.00
B)	FOUNDATION(Civil works)				
1	Foundation for 33 kV Isolators with EB	Cmt.	1.3	6604.00	8585.20
2	Foundation for 33 kV Isolators without EB	Cmt.	1.3	6604.00	8585.20
3	Foundation for 33 kV C.Ts	Cmt.	1.3	6604.00	8585.20
4	Foundation for 33 kV Lightning Arrestor	Cmt.	1.3	6604.00	8585.20
5	Foundation for 33 kV Breaker	Cmt.	1.3	6604.00	8585.20
6	Foundation for Gantry Structures	Cmt.	2.6	6604.00	17170.40
				Sub Total:	60096.40
C)	BUS-BAR MATERIAL				
1	AAAC 232 mm2	Mtrs.	25	162.00	4050.00
2	Wedge Connectors				
a)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
3	Breaker Clamps	Nos.	6	1941.00	11646.00
4	clamps for Isolator	Nos.	18	972.00	17496.00
5	Clamps for CTs	Nos.	6	1357.00	8142.00
6	Disc Insulator 11 KV 70 KN	Nos.	18	326.00	5868.00
7	Strain Hardware for AAAC232 sq.mm.	Nos.	6	693.00	4158.00
				Sub Total:	167010.00
D)	CONTROL CABLE				
1 a)	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt.	50	474.00	23700.00
b)	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt.	40	79.00	3160.00
c)	Armoured Copper control cable 2Cx4 sq.mm.	Rmt.	50	107.00	5350.00
2	Cable Trays 2.5 Mtr. X 6" W	Nos.	10	383.00	3830.00
3	Cable Glands, rerules and tape etc.	L.S.	L.S.	603.00	603.00
4	Angle for fixing trays 50x50x6mm	Kg.	20	70.00	1400.00
5	Half round cement pipe (150mm X 1mtr)	Nos.	80	157.00	12560.00
6	Sand	Cmt.	4	280.00	1120.00
				Sub Total:	51723.00
E)	EARTHING WORK				
1	M.S. Flats(50 X 10mm)	Kg.	50	65.00	3250.00
2	M.S.Flat 25x6 mm	Kg.	20	65.00	1300.00
3	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	Nos.	1	7355.00	7355.00
4	Coal	Kg.	100	17.00	1700.00
5	Salt	Kg.	100	12.00	1200.00
6	Welding Rods	Nos.	50	4.00	200.00
7	Hiring of Welding machine	Nos.	1	274.00	274.00
8	Brick & Masonary works for earthing pit	Nos.	1	2013.00	2013.00
				Sub Total:	17292.00
F)	PAINTING OF STRUCTURE				
1	Red Oxide Paint for 2 coats	Ltrs.	10	124.00	1240.00
2	Aluminium Paint for 1 coat	Ltrs.	5	260.00	1300.00
				Sub Total:	2540.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0602

22 KV FEEDER BAY

Sr.No.	Description of Material	Unit	Qty.	Rate	Amt.
1	22 KV Lightning Arrestors (Screw type)	Set	1	9853.00	9853.00
2	22 KV Isolators with EB (800 A)	Set	1	52349.00	52349.00
3	22 KV Isolators without EB (800 Amp.)	Set	1	44957.00	44957.00
4	22 KV VCB complete 1600 Amp (O.D.)	Set	1	227194.00	227194.00
5	CT 200-100/1-1 A , 22 KV	Nos.	3	31372.00	94116.00
6	Control C&R Panel 22 KV for feeder with accessories.	Nos.	1	95551.00	95551.00
7	Structure, cables, clamps, painting etc.as per sheet (A+C+D+F)	L.S.	1	379235.00	379235.00
8	Marshalling Box	No	1	5783.00	5783.00
9	Earthing as per Sheet (E)	L.S.	1	17292.00	17292.00
Cost of material					926330.00

1	Erection cost on material	5.00%	46317
2	Contractor supervision charges on material	5.00%	46317
	Sub-Total		1018963
3	Contractor's Profit	5.00%	50948
	Sub-Total		1069911
4	Transportation on material	4.00%	37053
5	T&P on material cost	1.00%	9263
6	Contingencies on material	2.00%	18527
	Service Cost		2297298
	Sub-Total		1134754
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2270
	Sub-Total		1137024
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	2103
9	Insurance	1.00%	11370
10	Turnkey Charges	0.00%	0
	Total		1150497

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	1624505	1150502
Civil works (Foundations)	81731	60096
Total Cost of the Estimate	1706236	1210598

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

22 KV Feeder bay (Structure, Foundation, Bus bar material, Cable , Earthing Materials & Painting)

Sr.No.	Description of Material	Unit	Qty.	Rate	Amount
A)	STRUCTURE				
1	Structure for 22 KV L.A.	Kg.	250	70.00	17500.00
2	Structure for 22 KV CT	Kg.	315	70.00	22050.00
3	G.I. Gantry Structures	Kg.	1000	95.00	95000.00
4	G.I.Nut Bolts	Kg.	100	112.00	11200.00
5	Welding Rods	Nos.	5000	4.00	20000.00
				Sub Total	165750.00
B)	FOUNDATION(Civil works)				
1	Foundation for 22 kV Isolators	Cmt.	1.3	6604.00	8585.20
2	Foundation for 22 kV Isolators without EB	Cmt.	1.3	6604.00	8585.20
3	Foundation for 22 kV Lightning Arrestor	Cmt.	1.3	6604.00	8585.20
4	Foundation for 22 kV C.Ts	Cmt.	1.3	6604.00	8585.20
5	Foundation for 22 kV Breaker	Cmt.	1.3	6604.00	8585.20
6	Foundation for Gantry Structures	Cmt.	2.6	6604.00	17170.40
				Sub Total:	60096.40
C)	BUS-BAR MATERIAL				
1	AAAC 232 mm2	Mtrs.	25	162.00	4050.00
2	Wedge Connectors				
a)	T-Connector for 200 sq mm conductor(Compression type)	Noa	30	3855.00	115650.00
3	Breaker Clamps	Nos.	6	1941.00	11646.00
4	clamps for Isolator	Nos.	12	972.00	11664.00
5	Clamps for CTs	Nos.	6	1357.00	8142.00
6	Disc Insulator 11 KV 70 KN	Nos.	12	326.00	3912.00
7	Strain Hardware for AAAC232 sq.mm.	Nos.	6	693.00	4158.00
				Sub Total:	159222.00
D)	CONTROL CABLE				
1 a)	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt.	50	474.00	23700.00
b)	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt.	40	79.00	3160.00
c)	Armoured Copper control cable 2Cx4 sq.mm.	Rmt.	50	107.00	5350.00
2	Cable Trays 2.5 Mtr. X 6" W	Nos.	10	383.00	3830.00
3	Cable Glands, rerules and tape etc.	L.S.	-	603.00	603.00
4	Angle for fixing trays 50x50x6mm	Kg.	20	70.00	1400.00
5	Half round cement pipe (150mm X 1mtr)	Nos.	80	157.00	12560.00
6	Sand	Cmt.	4	280.00	1120.00
				Sub Total:	51723.00
E)	EARTHING WORK				
1	M.S. Flats(50 X 10mm)	Kg.	50	65.00	3250.00
2	M.S.Flat 25x6 mm	Kg.	20	65.00	1300.00
3	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	Nos.	1	7355.00	7355.00
4	Coal	Kg.	100	17.00	1700.00
5	Salt	Kg.	100	12.00	1200.00
6	Welding Rods	Nos.	50	4.00	200.00
7	Hiring of Welding machine	Nos.	1	274.00	274.00
8	Brick & Masonary works for earthing pit	Nos.	1	2013.00	2013.00
				Sub Total:	17292.00
F)	PAINTING OF STRUCTURE				
1	Red Oxide Paint for 2 coats	Ltrs.	10	124.00	1240.00
2	Aluminium Paint for 1 coat	Ltrs.	5	260.00	1300.00
				Sub Total:	2540.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code 0603

11 KV FEEDER BAY

Sr.No.	Description of Material	Unit	Qty.	Rate	Amt.
1	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
2	11 KV Isolators with EB (800 A)	Set	1	37832.00	37832.00
3	11 KV Isolators without EB (800 Amp.)	Set	1	33554.00	33554.00
4	11 KV VCB 400 A Outdoor	Set	1	131054.00	131054.00
5	11 KV CT 400 - 200 / 5 - 5 Outdoor	Nos.	3	14007.00	42021.00
6	C&R Panel for 11 kV Outgoing Feeder OD	Nos.	1	62803.00	62803.00
7	Structure, cables, clamps, painting etc.as per sheet (A+C+D+F)	L.S.	1	439331.40	439331.40
8	Marshalling Box	No	1	5783.00	5783.00
9	Earthing as per Sheet (E)	L.S.	1	17292.00	17292.00

Cost of material

771201.40

1	Erection cost on material	5.00%	38560
2	Contractor supervision charges on material	5.00%	38560
	Sub-Total		848322
3	Contractor's Profit	5.00%	42416
	Sub-Total		890738
4	Transportation on material	4.00%	30848
5	T&P on material cost	1.00%	7712
6	Contingencies on material	2.00%	15424
	Service Cost		1912579
	Sub-Total		944722
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1889
	Sub-Total		946611
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	1751
9	Insurance	1.00%	9466
10	Turnkey Charges	0.00%	0
	Total		957829

Particulars	DPR Amount	Tender/ Estimate Amount(Rural)
	75.37%	24.200%
Cost with overheads on Material	1352456	957832
Civil works (Foundations)	81731	60096
Total Cost of the Estimate	1434187	1017929

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

11 KV Feeder bay (Structure, Foundation, Bus bar material, Cable , Earthing Materials & Painting)

Sr.No.	Description of Material	Unit	Qty.	Rate	Amount
A) STRUCTURE					
1	Structure for 11 KV L.A.	Kg.	250	70.00	17500.00
2	Structure for 11 KV CT	Kg.	315	70.00	22050.00
3	G.I. Gantry Structures	Kg.	1000	95.00	95000.00
4	G.I.Nut Bolts	Kg.	100	112.00	11200.00
5	Welding Rods	Nos.	5000	4.00	20000.00
				Sub Total	165750.00
B) FOUNDATION(Civil works)					
1	Foundation for 11 kV Isolators	Cmt.	1.3	6604.00	8585.20
2	Foundation for 11 kV Isolators without EB	Cmt.	1.3	6604.00	8585.20
3	Foundation for 11 kV Lightning Arrestor	Cmt.	1.3	6604.00	8585.20
4	Foundation for 11 kV C.Ts	Cmt.	1.3	6604.00	8585.20
5	Foundation for 11 kV Breaker	Cmt.	1.3	6604.00	8585.20
6	Foundation for Gantry Structures	Cmt.	2.6	6604.00	17170.40
				Sub Total:	60096.40
C) BUS-BAR MATERIAL					
1	AAAC 232 mm2	Mtrs.	25	162.00	4050.00
2	Wedge Connectors				
a)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
3	Breaker Clamps	Nos.	6	1941.00	11646.00
4	clamps for Isolator	Nos.	12	972.00	11664.00
5	Clamps for CTs	Nos.	6	1357.00	8142.00
6	Disc Insulator 11 KV 70 KN	Nos.	12	326.00	3912.00
7	Strain Hardware for AAAC232 sq.mm.	Nos.	6	693.00	4158.00
				Sub Total:	159222.00
D) CONTROL CABLE					
1 a)	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt.	50	474.00	23700.00
b)	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt.	40	79.00	3160.00
c)	Armoured Copper control cable 2Cx4 sq.mm.	Rmt.	50	107.00	5350.00
2	Cable Trays 2.5 Mtr. X 6" W	Nos.	10	383.00	3830.00
3	Cable Glands, rerules and tape etc.	L.S.	-	603.00	603.00
4	Angle for fixing trays 50x50x6mm	Kg.	20	70.00	1400.00
5	Half round cement pipe (150mm X 1mtr)	Nos.	80	157.00	12560.00
6	Sand	Cmt.	4	280.00	1120.00
				Sub Total:	51723.00
E) EARTHING WORK					
1	M.S. Flats(50 X 10mm)	Kg.	50	65.00	3250.00
2	M.S.Flat 25x6 mm	Kg.	20	65.00	1300.00
3	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	Nos.	1	7355.00	7355.00
4	Coal	Kg.	100	17.00	1700.00
5	Salt	Kg.	100	12.00	1200.00
6	Welding Rods	Nos.	50	4.00	200.00
7	Hiring of Welding machine	Nos.	1	274.00	274.00
8	Brick & Masonary works for earthing pit	Nos.	1	2013.00	2013.00
				Sub Total:	17292.00
F) PAINTING OF STRUCTURE					
1	Red Oxide Paint for 2 coats	Ltrs.	10	124.00	1240.00
2	Aluminium Paint for 1 coat	Ltrs.	5	260.00	1300.00
				Sub Total:	2540.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0601A

Cost data for 33 KV FEEDER BAY (Outdoor) without Gantry structure

Sr.No.	Description of Material	Unit	Qty.	Rate	Amt.
1	33 KV Lightning Arrestors (Station type)	Set	1	15253.00	15253.00
2	33 KV Isolators with EB (800 A)	Set	1	69539.00	69539.00
3	33 KV Isolators without EB (800 Amp.)	Set	1	63643.00	63643.00
4	33 KV VCB complete 1600 Amp (O.D.)	Set	1	247885.00	247885.00
5	CT 200-100/1-1 A , 33 KV	Nos.	3	30826.00	92478.00
6	C&R panel for 33 KV for feeder breaker	Nos.	1	64484.00	64484.00
7	Structure, cables, clamps, painting etc.as per sheet (A+C+D+F)	L.S.	1	346287.40	346287.40
8	Marshalling Box	No	1	5783.00	5783.00
9	Earthing as per Sheet (E)	L.S.	1	17292.00	17292.00

Cost of material

922644.40

1	Erection cost on material	5.00%	46132
2	Contractor supervision charges on material	5.00%	46132
	Sub-Total		1014909
3	Contractor's Profit	5.00%	50745
	Sub-Total		1065654
4	Transportation on material	4.00%	36906
5	T&P on material cost	1.00%	9226
6	Contingencies on material	2.00%	18453
	Service Cost		2288158
	Sub-Total		1130239
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2260
	Sub-Total		1132500
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	2095
9	Insurance	1.00%	11325
10	Turnkey Charges	0.00%	0
	Total		1145920

Particulars	More than Rs. 40 Crs	
	DPR Amount	Tender/ Estimate Amount
		75.37%
Cost with overheads on Material	1618041	1145924
Civil works (Foundations)	81731	60096
Total Cost of the Estimate	1618041	1145924

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

33 KV Feeder bay (Structure, Foundation, Bus bar material, Cable , Earthing Materials & Painting)

Sr.No.	Description of Material	Unit	Qty.	Rate	Amount
A)	STRUCTURE				
1	Structure for 33 KV L.A.	Kg.	250	70.00	17500.00
2	Structure for 33 KV CT	Kg.	315	70.00	22050.00
3	G.I.Nut Bolts	Kg.	100	112.00	11200.00
4	Welding Rods	Nos.	5000	4.00	20000.00
				Sub Total	70750.00
B)	FOUNDATION(Civil works)				
1	Foundation for 33 kV Isolators with EB	Cmt.	1.3	6604.00	8585.20
2	Foundation for 33 kV Isolators without EB	Cmt.	1.3	6604.00	8585.20
3	Foundation for 33 kV C.Ts	Cmt.	1.3	6604.00	8585.20
4	Foundation for 33 kV Lightning Arrestor	Cmt.	1.3	6604.00	8585.20
5	Foundation for 33 kV Breaker	Cmt.	1.3	6604.00	8585.20
6	Foundation for Gantry Structures	Cmt.	2.6	6604.00	17170.40
				Sub Total:	60096.40
C)	BUS-BAR MATERIAL				
1	AAAC 232 mm2	Mtrs.	25	162.00	4050.00
2	Wedge Connectors				
a)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
3	Breaker Clamps	Nos.	6	1941.00	11646.00
4	clamps for Isolator	Nos.	12	972.00	11664.00
5	Clamps for CTs	Nos.	6	1357.00	8142.00
6	Disc Insulator 11 KV 70 KN	Nos.	18	326.00	5868.00
7	Strain Hardware for AAAC232 sq.mm.	Nos.	6	693.00	4158.00
				Sub Total:	161178.00
D)	CONTROL CABLE				
1 a)	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt.	50	474.00	23700.00
b)	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt.	40	79.00	3160.00
c)	Armoured Copper control cable 2Cx4 sq.mm.	Rmt.	50	107.00	5350.00
2	Cable Trays 2.5 Mtr. X 6" W	Nos.	10	383.00	3830.00
3	Cable Glands, rerules and tape etc.	L.S.	L.S.	603.00	603.00
4	Angle for fixing trays 50x50x6mm	Kg.	20	70.00	1400.00
5	Half round cement pipe (150mm X 1mtr)	Nos.	80	157.00	12560.00
6	Sand	Cmt.	4	280.00	1120.00
				Sub Total:	51723.00
E)	EARTHING WORK				
1	M.S. Flats(50 X 10mm)	Kg.	50	65.00	3250.00
2	M.S.Flat 25x6 mm	Kg.	20	65.00	1300.00
3	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	Nos.	1	7355.00	7355.00
4	Coal	Kg.	100	17.00	1700.00
5	Salt	Kg.	100	12.00	1200.00
6	Welding Rods	Nos.	50	4.00	200.00
7	Hiring of Welding machine	Nos.	1	274.00	274.00
8	Brick & Masonary works for earthing pit	Nos.	1	2013.00	2013.00
				Sub Total:	17292.00
F)	PAINTING OF STRUCTURE				
1	Red Oxide Paint for 2 coats	Ltrs.	10	124.00	1240.00
2	Aluminium Paint for 1 coat	Ltrs.	5	260.00	1300.00
				Sub Total:	2540.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0602A

Cost data for 22 KV FEEDER BAY (Outdoor) without Gantry structure

Sr.No.	Description of Material	Unit	Qty.	Rate	Amt.
1	22 KV Lightning Arrestors (Screw type)	Set	1	9853.00	9853.00
2	22 KV Isolators with EB (800 A)	Set	1	52349.00	52349.00
3	22 KV Isolators without EB (800 Amp.)	Set	1	44957.00	44957.00
4	22 KV VCB complete 1600 Amp (O.D.)	Set	1	227194.00	227194.00
5	CT 200-100/1-1 A , 22 KV	Nos.	3	31372.00	94116.00
6	Control C&R Panel 22 KV for feeder with accessories.	Nos.	1	95551.00	95551.00
7	Structure, cables, clamps, painting etc.as per sheet (A+C+D+F)	L.S.	1	344331.40	344331.40
8	Marshalling Box	No	1	5783.00	5783.00
9	Earthing as per Sheet (E)	L.S.	1	17292.00	17292.00

Cost of material

891426.40

1	Erection cost on material	5.00%	44571
2	Contractor supervision charges on material	5.00%	44571
	Sub-Total		980569
3	Contractor's Profit	5.00%	49028
	Sub-Total		1029597
4	Transportation on material	4.00%	35657
5	T&P on material cost	1.00%	8914
6	Contingencies on material	2.00%	17829
	Service Cost		2210737
	Sub-Total		1091997
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2184
	Sub-Total		1094181
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	2024
9	Insurance	1.00%	10942
10	Turnkey Charges	0.00%	0
	Total		1107147

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	1563294	1107152
Civil works (Foundations)	81731	60096
Total Cost of the Estimate	1645026	1167248

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

22 KV Feeder bay (Structure, Foundation, Bus bar material, Cable , Earthing Materials & Painting)

Sr.No.	Description of Material	Unit	Qty.	Rate	Amount
A)	STRUCTURE				
1	Structure for 22 KV L.A.	Kg.	250	70.00	17500.00
2	Structure for 22 KV CT	Kg.	315	70.00	22050.00
3	G.I.Nut Bolts	Kg.	100	112.00	11200.00
4	Welding Rods	Nos.	5000	4.00	20000.00
				Sub Total	70750.00
B)	FOUNDATION(Civil works)				
1	Foundation for 22 kV Isolators	Cmt.	1.3	6604.00	8585.20
2	Foundation for 22 kV Isolators without EB	Cmt.	1.3	6604.00	8585.20
3	Foundation for 22 kV Lightning Arrestor	Cmt.	1.3	6604.00	8585.20
4	Foundation for 22 kV C.Ts	Cmt.	1.3	6604.00	8585.20
5	Foundation for 22 kV Breaker	Cmt.	1.3	6604.00	8585.20
6	Foundation for Gantry Structures	Cmt.	2.6	6604.00	17170.40
				Sub Total:	60096.40
C)	BUS-BAR MATERIAL				
1	AAAC 232 mm2	Mtrs.	25	162.00	4050.00
2	Wedge Connectors				
a)	T-Connector for 200 sq mm conductor(Compression type)	Noa	30	3855.00	115650.00
3	Breaker Clamps	Nos.	6	1941.00	11646.00
4	clamps for Isolator	Nos.	12	972.00	11664.00
5	Clamps for CTs	Nos.	6	1357.00	8142.00
6	Disc Insulator 11 KV 70 KN	Nos.	12	326.00	3912.00
7	Strain Hardware for AAAC232 sq.mm.	Nos.	6	693.00	4158.00
				Sub Total:	159222.00
D)	CONTROL CABLE				
1 a)	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt.	50	474.00	23700.00
b)	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt.	40	79.00	3160.00
c)	Armoured Copper control cable 2Cx4 sq.mm.	Rmt.	50	107.00	5350.00
2	Cable Trays 2.5 Mtr. X 6" W	Nos.	10	383.00	3830.00
3	Cable Glands, rerules and tape etc.	L.S.	-	603.00	603.00
4	Angle for fixing trays 50x50x6mm	Kg.	20	70.00	1400.00
5	Half round cement pipe (150mm X 1mtr)	Nos.	80	157.00	12560.00
6	Sand	Cmt.	4	280.00	1120.00
				Sub Total:	51723.00
E)	EARTHING WORK				
1	M.S. Flats(50 X 10mm)	Kg.	50	65.00	3250.00
2	M.S.Flat 25x6 mm	Kg.	20	65.00	1300.00
3	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	Nos.	1	7355.00	7355.00
4	Coal	Kg.	100	17.00	1700.00
5	Salt	Kg.	100	12.00	1200.00
6	Welding Rods	Nos.	50	4.00	200.00
7	Hiring of Welding machine	Nos.	1	274.00	274.00
8	Brick & Masonary works for earthing pit	Nos.	1	2013.00	2013.00
				Sub Total:	17292.00
F)	PAINTING OF STRUCTURE				
1	Red Oxide Paint for 2 coats	Ltrs.	10	124.00	1240.00
2	Aluminium Paint for 1 coat	Ltrs.	5	260.00	1300.00
				Sub Total:	2540.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code 0603A

Cost data for 11 KV FEEDER BAY (Outdoor) without Gantry structure

Sr.No.	Description of Material	Unit	Qty.	Rate	Amt.
1	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
2	11 KV Isolators with EB (800 A)	Set	1	37832.00	37832.00
3	11 KV Isolators without EB (800 Amp.)	Set	1	33554.00	33554.00
4	11 KV VCB 400 A Outdoor	Set	1	131054.00	131054.00
5	11 KV CT 400 - 200 / 5 - 5 Outdoor	Nos.	3	14007.00	42021.00
6	C&R Panel for 11 kV Outgoing Feeder OD	Nos.	1	62803.00	62803.00
7	Structure, cables, clamps, painting etc.as per sheet (A+C+D+F)	L.S.	1	344331.40	344331.40
8	Marshalling Box	No	1	5783.00	5783.00
9	Earthing as per Sheet (E)	L.S.	1	17292.00	17292.00

Cost of material

676201.40

1	Erection cost on material	5.00%	33810
2	Contractor supervision charges on material	5.00%	33810
	Sub-Total		743822
3	Contractor's Profit	5.00%	37191
	Sub-Total		781013
4	Transportation on material	4.00%	27048
5	T&P on material cost	1.00%	6762
6	Contingencies on material	2.00%	13524
	Service Cost		1676979
	Sub-Total		828347
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1657
	Sub-Total		830003
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	1536
9	Insurance	1.00%	8300
10	Turnkey Charges	0.00%	0
	Total		839839

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	1185854	839842
Civil works (Foundations)	81731	60096
Total Cost of the Estimate	1267585	899939

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

11 KV Feeder bay (Structure, Foundation, Bus bar material, Cable , Earthing Materials & Painting)

Sr.No.	Description of Material	Unit	Qty.	Rate	Amount
A)	STRUCTURE				
1	Structure for 11 KV L.A.	Kg.	250	70.00	17500.00
2	Structure for 11 KV CT	Kg.	315	70.00	22050.00
3	G.I.Nut Bolts	Kg.	100	112.00	11200.00
4	Welding Rods	Nos.	5000	4.00	20000.00
				Sub Total	70750.00
B)	FOUNDATION(Civil works)				
1	Foundation for 11 kV Isolators	Cmt.	1.3	6604.00	8585.20
2	Foundation for 11 kV Isolators without EB	Cmt.	1.3	6604.00	8585.20
3	Foundation for 11 kV Lightning Arrestor	Cmt.	1.3	6604.00	8585.20
4	Foundation for 11 kV C.Ts	Cmt.	1.3	6604.00	8585.20
5	Foundation for 11 kV Breaker	Cmt.	1.3	6604.00	8585.20
6	Foundation for Gantry Structures	Cmt.	2.6	6604.00	17170.40
				Sub Total:	60096.40
C)	BUS-BAR MATERIAL				
1	AAAC 232 mm2	Mtrs.	25	162.00	4050.00
2	Wedge Connectors				
a)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
3	Breaker Clamps	Nos.	6	1941.00	11646.00
4	clamps for Isolator	Nos.	12	972.00	11664.00
5	Clamps for CTs	Nos.	6	1357.00	8142.00
6	Disc Insulator 11 KV 70 KN	Nos.	12	326.00	3912.00
7	Strain Hardware for AAAC232 sq.mm.	Nos.	6	693.00	4158.00
				Sub Total:	159222.00
D)	CONTROL CABLE				
1 a)	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt.	50	474.00	23700.00
b)	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt.	40	79.00	3160.00
c)	Armoured Copper control cable 2Cx4 sq.mm.	Rmt.	50	107.00	5350.00
2	Cable Trays 2.5 Mtr. X 6" W	Nos.	10	383.00	3830.00
3	Cable Glands, rerules and tape etc.	L.S.	-	603.00	603.00
4	Angle for fixing trays 50x50x6mm	Kg.	20	70.00	1400.00
5	Half round cement pipe (150mm X 1mtr)	Nos.	80	157.00	12560.00
6	Sand	Cmt.	4	280.00	1120.00
				Sub Total:	51723.00
E)	EARTHING WORK				
1	M.S. Flats(50 X 10mm)	Kg.	50	65.00	3250.00
2	M.S.Flat 25x6 mm	Kg.	20	65.00	1300.00
3	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	Nos.	1	7355.00	7355.00
4	Coal	Kg.	100	17.00	1700.00
5	Salt	Kg.	100	12.00	1200.00
6	Welding Rods	Nos.	50	4.00	200.00
7	Hiring of Welding machine	Nos.	1	274.00	274.00
8	Brick & Masonary works for earthing pit	Nos.	1	2013.00	2013.00
				Sub Total:	17292.00
F)	PAINTING OF STRUCTURE				
1	Red Oxide Paint for 2 coats	Ltrs.	10	124.00	1240.00
2	Aluminium Paint for 1 coat	Ltrs.	5	260.00	1300.00
				Sub Total:	2540.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code 0601B

33 KV FEEDER BAY With Gantry structure & PT

Sr.No.	Description of Material	Unit	Qty.	Rate	Amount
1	33 KV Lightning Arrestors (Station type)	Set	1	15253.00	15253.00
2	33 KV Isolators with EB (800 A)	Set	1	69539.00	69539.00
3	33 KV Isolators without EB (800 Amp.)	Set	2	63643.00	127286.00
4	33 KV VCB complete 1600 Amp (O.D.)	No	1	247885.00	247885.00
5	33 KV P.T.	No	3	24916.00	74748.00
6	CT 200-100/1-1 A , 33 KV	No	3	30826.00	92478.00
7	C&R panel for 33 KV for feeder breaker	Set	1	64484.00	64484.00
8	Marshalling Box	No	1	5783.00	5783.00
9	Structure and foundation cables, clamps, painting etc. as per Table (A+C+D+F)	LS	1	471922.60	471922.60
10	Earthing as per Table (E)	LS	1	17292.00	17292.00
	Cost of material				1186670.60

1	Erection cost on material	5.00%	59334
2	Contractor supervision charges on material	5.00%	59334
	Sub-Total		1305338
3	Contractor's Profit	5.00%	65267
	Sub-Total		1370605
4	Transportation on material	4.00%	47467
5	T&P on material cost	1.00%	11867
6	Contingencies on material	2.00%	23733
	Service Cost		2942943
	Sub-Total		1453671
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2907
	Sub-Total		1456579
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	2695
9	Insurance	1.00%	14566
10	Turnkey Charges	0.00%	0
	Total		1473839

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	2081064	1473845
Civil works (Foundations)	93407	68682
Total Cost of the Estimate	2174471	1542526

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

11 KV Feeder bay (Structure, Foundation, Bus bar material, Cable , Earthing Materials & Painting)

Sr.No.	Description of Material	Unit	Qty.	Rate	Amount
A)	STRUCTURE				
1	Structure for 33 KV L.A.	Kg.	250	70.00	17500.00
2	Structure for 33 KV CT	Kg.	315	70.00	22050.00
3	Structure for 33 KV PT	Kg.	315	70.00	22050.00
4	G.I. Gantry Structures	Kg.	1000	95.00	95000.00
5	G.I.Nut Bolts	Kg.	100	112.00	11200.00
6	Welding Rods	Nos.	5000	4.00	20000.00
				Sub Total	187800.00
B)	FOUNDATION(Civil works)				
1	Foundation for 33 kV Isolators with EB	Cmt.	1.3	6604.00	8585.20
2	Foundation for 33 kV Isolators without EB	Cmt.	1.3	6604.00	8585.20
3	Foundation for 33 kV C.Ts	Cmt.	1.3	6604.00	8585.20
4	Foundation for 33 kV P.Ts	Cmt.	1.3	6604.00	8585.20
5	Foundation for 33 kV Lightning Arrestor	Cmt.	1.3	6604.00	8585.20
6	Foundation for 33 kV Breaker	Cmt.	1.3	6604.00	8585.20
7	Foundation for Gantry Structures	Cmt.	2.6	6604.00	17170.40
				Sub Total:	68681.60
C)	BUS-BAR MATERIAL				
1	AAAC 232 mm ²	Mtrs.	25	162.00	4050.00
2	Wedge Connectors				
a)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
3	Breaker Clamps	Nos.	6	1941.00	11646.00
4	clamps for Isolator	Nos.	12	972.00	11664.00
5	Clamps for CTs	Nos.	6	1357.00	8142.00
6	Disc Insulator 11 KV 70 KN	Nos.	18	326.00	5868.00
7	Strain Hardware for AAAC232 sq.mm.	Nos.	6	693.00	4158.00
				Sub Total:	161178.00
D)	CONTROL CABLE				
1 a)	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt.	50	474.00	23700.00
b)	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt.	40	79.00	3160.00
c)	Armoured Copper control cable 2Cx4 sq.mm.	Rmt.	50	107.00	5350.00
2	Cable Trays 2.5 Mtr. X 6" W	Nos.	10	383.00	3830.00
3	Cable Glands, rerules and tape etc.	L.S.	L.S.	603.00	603.00
4	Angle for fixing trays 50x50x6mm	Kg.	20	70.00	1400.00
5	Half round cement pipe (150mm X 1mtr)	Nos.	80	157.00	12560.00
6	Sand	Cmt.	4	280.00	1120.00
				Sub Total:	51723.00
E)	EARTHING WORK				
1	M.S. Flats(50 X 10mm)	Kg.	50	65.00	3250.00
2	M.S.Flat 25x6 mm	Kg.	20	65.00	1300.00
3	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	Nos.	1	7355.00	7355.00
4	Coal	Kg.	100	17.00	1700.00
5	Salt	Kg.	100	12.00	1200.00
6	Welding Rods	Nos.	50	4.00	200.00
7	Hiring of Welding machine	Nos.	1	274.00	274.00
8	Brick & Masonary works for earthing pit	Nos.	1	2013.00	2013.00
				Sub Total:	17292.00
F)	PAINTING OF STRUCTURE				
1	Red Oxide Paint for 2 coats	Ltrs.	10	124.00	1240.00
2	Aluminium Paint for 1 coat	Ltrs.	5	260.00	1300.00
				Sub Total:	2540.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0602B

22 KV FEEDER BAY with Gantry structure & PT

Sr.No.	Description of Material	Unit	Qty.	Rate	Amt.
1	22 KV Lightning Arrestors (Screw type)	Set	1	9853.00	9853.00
2	22 KV Isolators with EB (800 A)	Set	1	52349.00	52349.00
3	22 KV Isolators without EB (800 Amp.)	Set	1	44957.00	44957.00
4	22 KV VCB complete 1600 Amp (O.D.)	Set	1	227194.00	227194.00
5	22 KV P.T.	No	3	23569.00	70707.00
6	CT 200-100/1-1 A , 22 KV	Nos.	3	31372.00	94116.00
7	Control C&R Panel 22 KV for feeder with accessories.	Nos.	1	95551.00	95551.00
8	Structure, cables, clamps, painting etc.as per sheet (A+C+D+F)	L.S.	1	439331.40	439331.40
9	Marshalling Box	No	1	5783.00	5783.00
10	Earthing as per Sheet (E)	L.S.	1	17292.00	17292.00

Cost of material

1057133.40

1	Erection cost on material	5.00%	52857
2	Contractor supervision charges on material	5.00%	52857
	Sub-Total		1162847
3	Contractor's Profit	5.00%	58142
	Sub-Total		1220989
4	Transportation on material	4.00%	42285
5	T&P on material cost	1.00%	10571
6	Contingencies on material	2.00%	21143
	Service Cost		2621691
	Sub-Total		1294988
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2590
	Sub-Total		1297578
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	2401
9	Insurance	1.00%	12976
10	Turnkey Charges	0.00%	0
	Total		1312955

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	1853895	1312960
Civil works (Foundations)	81731	60096
Total Cost of the Estimate	1935626	1373056

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

22 KV Feeder bay (Structure, Foundation, Bus bar material, Cable , Earthing Materials & Painting)

Sr.No.	Description of Material	Unit	Qty.	Rate	Amount
A)	STRUCTURE				
1	Structure for 22 KV L.A.	Kg.	250	70.00	17500.00
2	Structure for 22 KV CT	Kg.	315	70.00	22050.00
3	G.I. Gantry Structures	Kg.	1000	95.00	95000.00
4	G.I.Nut Bolts	Kg.	100	112.00	11200.00
5	Welding Rods	Nos.	5000	4.00	20000.00
				Sub Total	165750.00
B)	FOUNDATION(Civil works)				
1	Foundation for 22 kV Isolators	Cmt.	1.3	6604.00	8585.20
2	Foundation for 22 kV Isolators without EB	Cmt.	1.3	6604.00	8585.20
3	Foundation for 22 kV Lightning Arrestor	Cmt.	1.3	6604.00	8585.20
4	Foundation for 22 kV C.Ts	Cmt.	1.3	6604.00	8585.20
5	Foundation for 22 kV Breaker	Cmt.	1.3	6604.00	8585.20
6	Foundation for Gantry Structures	Cmt.	2.6	6604.00	17170.40
				Sub Total:	60096.40
C)	BUS-BAR MATERIAL				
1	AAAC 232 mm2	Mtrs.	25	162.00	4050.00
2	Wedge Connectors				
a)	T-Connector for 200 sq mm conductor(Compression type)	Noa	30	3855.00	115650.00
3	Breaker Clamps	Nos.	6	1941.00	11646.00
4	clamps for Isolator	Nos.	12	972.00	11664.00
5	Clamps for CTs	Nos.	6	1357.00	8142.00
6	Disc Insulator 11 KV 70 KN	Nos.	12	326.00	3912.00
7	Strain Hardware for AAAC232 sq.mm.	Nos.	6	693.00	4158.00
				Sub Total:	159222.00
D)	CONTROL CABLE				
1 a)	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt.	50	474.00	23700.00
b)	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt.	40	79.00	3160.00
c)	Armoured Copper control cable 2Cx4 sq.mm.	Rmt.	50	107.00	5350.00
2	Cable Trays 2.5 Mtr. X 6" W	Nos.	10	383.00	3830.00
3	Cable Glands, rerules and tape etc.	L.S.	-	603.00	603.00
4	Angle for fixing trays 50x50x6mm	Kg.	20	70.00	1400.00
5	Half round cement pipe (150mm X 1mtr)	Nos.	80	157.00	12560.00
6	Sand	Cmt.	4	280.00	1120.00
				Sub Total:	51723.00
E)	EARTHING WORK				
1	M.S. Flats(50 X 10mm)	Kg.	50	65.00	3250.00
2	M.S.Flat 25x6 mm	Kg.	20	65.00	1300.00
3	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	Nos.	1	7355.00	7355.00
4	Coal	Kg.	100	17.00	1700.00
5	Salt	Kg.	100	12.00	1200.00
6	Welding Rods	Nos.	50	4.00	200.00
7	Hiring of Welding machine	Nos.	1	274.00	274.00
8	Brick & Masonary works for earthing pit	Nos.	1	2013.00	2013.00
				Sub Total:	17292.00
F)	PAINTING OF STRUCTURE				
1	Red Oxide Paint for 2 coats	Ltrs.	10	124.00	1240.00
2	Aluminium Paint for 1 coat	Ltrs.	5	260.00	1300.00
				Sub Total:	2540.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code 0603B

11 KV FEEDER BAY with Gantry structure & PT

Sr.No.	Description of Material	Unit	Qty.	Rate	Amt.
1	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
2	11 KV Isolators with EB (800 A)	Set	1	37832.00	37832.00
3	11 KV Isolators without EB (800 Amp.)	Set	1	33554.00	33554.00
4	11 KV VCB 400 A Outdoor	Set	1	131054.00	131054.00
5	11 KV PT	No	3	11834.00	35502.00
6	11 KV CT 400 - 200 / 5 - 5 Outdoor	Nos.	3	14007.00	42021.00
7	C&R Panel for 11 kV Outgoing Feeder OD	Nos.	1	62803.00	62803.00
8	Structure, cables, clamps, painting etc.as per sheet (A+C+D+F)	L.S.	1	469966.60	469966.60
9	Marshalling Box	No	1	5783.00	5783.00
10	Earthing as per Sheet (E)	L.S.	1	17292.00	17292.00

Cost of material

837338.60

1	Erection cost on material	5.00%	41867
2	Contractor supervision charges on material	5.00%	41867
	Sub-Total		921072
3	Contractor's Profit	5.00%	46054
	Sub-Total		967126
4	Transportation on material	4.00%	33494
5	T&P on material cost	1.00%	8373
6	Contingencies on material	2.00%	16747
	Service Cost		2076600
	Sub-Total		1025740
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2051
	Sub-Total		1027791
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	1901
9	Insurance	1.00%	10278
10	Turnkey Charges	0.00%	0
	Total		1039971

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	1468441	1039975
Civil works (Foundations)	93407	68682
Total Cost of the Estimate	1561848	1108656

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

11 KV Feeder bay (Structure, Foundation, Bus bar material, Cable , Earthing Materials & Painting)

Sr.No.	Description of Material	Unit	Qty.	Rate	Amount
A)	STRUCTURE				
1	Structure for 11 KV L.A.	Kg.	250	70.00	17500.00
2	Structure for 11 KV CT	Kg.	315	70.00	22050.00
3	Structure for 11 KV PT	Kg.	315	70.00	22050.00
4	G.I. Gantry Structures	Kg.	1000	95.00	95000.00
5	G.I.Nut Bolts	Kg.	100	112.00	11200.00
6	Welding Rods	Nos.	5000	4.00	20000.00
				Sub Total	187800.00
B)	FOUNDATION(Civil works)				
1	Foundation for 11 kV Isolators	Cmt.	1.3	6604.00	8585.20
2	Foundation for 11 kV Isolators without EB	Cmt.	1.3	6604.00	8585.20
3	Foundation for 11 kV Lightning Arrestor	Cmt.	1.3	6604.00	8585.20
4	Foundation for 11 kV C.Ts	Cmt.	1.3	6604.00	8585.20
5	Foundation for 11 kV P.Ts	Cmt.	1.3	6604.00	8585.20
6	Foundation for 11 kV Breaker	Cmt.	1.3	6604.00	8585.20
7	Foundation for Gantry Structures	Cmt.	2.6	6604.00	17170.40
				Sub Total:	68681.60
C)	BUS-BAR MATERIAL				
1	AAAC 232 mm2	Mtrs.	25	162.00	4050.00
2	Wedge Connectors				
a)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
3	Breaker Clamps	Nos.	6	1941.00	11646.00
4	clamps for Isolator	Nos.	12	972.00	11664.00
5	Clamps for CTs	Nos.	6	1357.00	8142.00
6	Disc Insulator 11 KV 70 KN	Nos.	12	326.00	3912.00
7	Strain Hardware for AAAC232 sq.mm.	Nos.	6	693.00	4158.00
				Sub Total:	159222.00
D)	CONTROL CABLE				
1 a)	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt.	50	474.00	23700.00
b)	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt.	40	79.00	3160.00
c)	Armoured Copper control cable 2Cx4 sq.mm.	Rmt.	50	107.00	5350.00
2	Cable Trays 2.5 Mtr. X 6" W	Nos.	10	383.00	3830.00
3	Cable Glands, rerules and tape etc.	L.S.	-	603.00	603.00
4	Angle for fixing trays 50x50x6mm	Kg.	20	70.00	1400.00
5	Half round cement pipe (150mm X 1mtr)	Nos.	80	157.00	12560.00
6	Sand	Cmt.	4	280.00	1120.00
				Sub Total:	51723.00
E)	EARTHING WORK				
1	M.S. Flats(50 X 10mm)	Kg.	50	65.00	3250.00
2	M.S.Flat 25x6 mm	Kg.	20	65.00	1300.00
3	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	Nos.	1	7355.00	7355.00
4	Coal	Kg.	100	17.00	1700.00
5	Salt	Kg.	100	12.00	1200.00
6	Welding Rods	Nos.	50	4.00	200.00
7	Hiring of Welding machine	Nos.	1	274.00	274.00
8	Brick & Masonary works for earthing pit	Nos.	1	2013.00	2013.00
				Sub Total:	17292.00
F)	PAINTING OF STRUCTURE				
1	Red Oxide Paint for 2 coats	Ltrs.	10	124.00	1240.00
2	Aluminium Paint for 1 coat	Ltrs.	5	260.00	1300.00
				Sub Total:	2540.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code 0601D

11 KV FEEDER BAY Without main bus bar Extn. & with take off structure

Sr.No	Description	Unit	Quantity	Rate	Total Quantity
1	11 KV 250 MVA O.D. Switch gear with one I/C+ one O/G	Set	1	541349.00	541349.00
2	Earthing as per Table No 1	No	1	17292.00	17292.00
3	11 KV Takeoff Structure as per Table No 2	No	1	269503.00	269503.00
4	Painting of structure as per Table No 4	No	1	2540.00	2540.00
TOTAL COST OF MATERIAL					830684.00

1	Erection cost on material	5.00%	41534
2	Contractor supervision charges on material	5.00%	41534
Sub-Total			913752
3	Contractor's Profit	5.00%	45688
Sub-Total			959440
4	Transportation on material	4.00%	33227
5	T&P on material cost	1.00%	8307
6	Contingencies on material	2.00%	16614
Service Cost			2060096
Sub-Total			1017588
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2035
Sub-Total			1019623
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	1886
9	Insurance	1.00%	10196
10	Turnkey Charges	0.00%	0
Total			1031706

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	1456771	1031710
Total Cost of the Estimate	1456771	1031710

Table No 1

EARTHING WORK

1	M.S. Flats(50 X 10mm)	Kg.	50	65.00	3250.00
2	M.S.Flat 25x6 mm	Kg.	20	65.00	1300.00
3	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	Nos.	1	7355.00	7355.00
4	Coal	Kg.	100	17.00	1700.00
5	Salt	Kg.	100	12.00	1200.00
6	Welding Rods	Nos.	50	4.00	200.00
7	Hiring of Welding machine	Nos.	1	274.00	274.00
8	Brick & Masonary works for earthing pit	Nos.	1	2013.00	2013.00
Sub Total:					17292.00

Table No. 2 ff structure for 11 KV Feeders 3 outlets at 1x 5 MVA,33/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	6	12493.00	74958.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
7	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
8	Earthing Sets H.T	Sets	3	462.00	1386.00
9	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
10	AAAC 100 mm2	Rmt.	150	70.00	10500.00
11	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
12	G.I.Nut Bolts	Kg.	50	112.00	5600.00
13	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
14	Miscellaneous material	LS	1	518.00	518.00
Total:					269503.00

Table No. 4

PAINTING OF STRUCTURE

1	Red Oxide Paint for 2 coats	Ltrs.	10	124.00	1240.00
2	Aluminium Paint for 1 coat	Ltrs.	5	260.00	1300.00
Sub Total:					2540.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0701

Cost data for 1 Km. 33 KV S/C Line with 100 mm2 AAAC (Suspension type) & RSJ 152 X 152 mm 12 mtr. Long.

Sr.No	Particulars	Unit	Qty.	Rate	Amount
1	RSJ 152x152, 12 m long	No.	14.00	26869.00	376166.00
2	RSJ 152x152, 11 m long	No.	2.00	24631.00	49262.00
3	MS Channel 100x50x6 mm	Kg.	495.00	70.00	34650.00
4	M.S.Channel 75x40x6 mm	Kg.	91.00	70.00	6370.00
5	MS angle 50x50x6 mm	Kg.	203.00	70.00	14210.00
6	MS Flat 75x10 mm	Kg.	89.00	65.00	5785.00
7	G.I.Nut Bolts	Kg.	80.00	112.00	8960.00
8	Disc Insulator 11 KV 70 KN	No.	153.00	326.00	49878.00
9	SSN Hardware for 0.1 Dog or AAAC 100 Sq.mm	No.	33.00	258.00	8514.00
10	AAAC 100 mm2	Mtrs.	3150.00	70.00	220500.00
11	H.T.Stay Set	No.	6.00	807.00	4842.00
12	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	60.00	72.00	4320.00
13	G.I.Wire 8 SWG/ 6 SWG	Kg.	130.00	72.00	9360.00
14	Sieve Joints	No.	3.00	145.00	435.00
15	Danger Board in yard.	No.	14.00	87.00	1218.00
16	Earthing Sets H.T	No.	14.00	462.00	6468.00
17	Concreting ration 1:3:6	cmt.	25.00	4328.00	108200.00
18	G.I.Barbed Wire 'A' type.	Kg.	60.00	80.00	4800.00
19	Black bituminous paint	Ltr.	6.00	150.00	900.00
20	Red Oxide Paint for 2 coats	Ltr.	20.00	124.00	2480.00
21	Aluminium Paint for 1 coat	Ltr.	9.00	260.00	2340.00
22	Sundries	LS	LS	886.00	886.00
23	Wedge connectors				
a)	DOG TO DOG or equivalent AAAC	No	18	642.00	11556.00

Cost of material

932100.00

1	Erection cost on material	15.00%	139815
2	Contractor supervision charges on material	5.00%	46605
	Sub-Total		1118520
3	Contractor's Profit	5.00%	55926
	Sub-Total		1174446
4	Transportation on material	4.00%	37284
5	T&P on material cost	1.00%	9321
6	Contingencies on material	2.00%	18642
	Service Cost		2600559
	Sub-Total		1239693
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2479
	Sub-Total		1242172
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	3105
9	Insurance	1.00%	12422
10	Turnkey Charges	0.00%	0
	Total		1257700

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1770431	1257683
Total Cost of the Estimate	1770431	1257683

Assumption-

- 1) 3- cut points (including 1- rightangle cut point in 1 km.)
- 2) 2- line deviations upto 60°
- 3) 2 Strut support
- 4) 4 span guarding.
- 5) Average span length - 75 mtrs.

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0702

Cost data for 33 KV S/C Line Suspension type with 100 mm² AAAC lines on 152 X 152 mm 13 mtr. RSJ

Sr.No	Particulars	Unit	Qty.	Rate	Amount
1	RSJ 152x152, 13 m long	No.	14.00	29109.00	407526.00
2	RSJ 152x152, 11 m long	No.	2.00	24631.00	49262.00
3	MS Channel 100x50x6 mm	Kg.	495.00	70.00	34650.00
4	M.S.Channel 75x40x6 mm	Kg.	91.00	70.00	6370.00
5	MS angle 50x50x6 mm	Kg.	203.00	70.00	14210.00
6	MS Flat 75x10 mm	Kg.	89.00	65.00	5785.00
7	G.I.Nut Bolts	Kg.	80.00	112.00	8960.00
8	Disc Insulator 11 KV 70 KN	No.	153.00	326.00	49878.00
9	SSN Hardware for 0.1 Dog or AAAC 100 Sq.mm	No.	33.00	258.00	8514.00
10	Strain Hardware for Dog 0.1 or Equ.AAAC.	No.	18.00	370.00	6660.00
11	AAAC 100 mm ²	Mtrs.	3150.00	70.00	220500.00
12	H.T.Stay Set	No.	6.00	807.00	4842.00
13	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	60.00	72.00	4320.00
14	G.I.Wire 8 SWG/ 6 SWG	Kg.	130.00	72.00	9360.00
15	Sleve Joints	No.	3.00	145.00	435.00
16	Danger Board in yard.	No.	14.00	87.00	1218.00
17	Earthing Sets H.T	No.	14.00	462.00	6468.00
18	Concreting ration 1:3:6	cmt.	25.00	4328.00	108200.00
19	G.I.Barbed Wire 'A' type.	Kg.	60.00	80.00	4800.00
20	Black bituminous paint	Ltr.	6.00	150.00	900.00
21	Red Oxide Paint for 2 coats	Ltr.	20.00	124.00	2480.00
22	Aluminium Paint for 1 coat	Ltr.	9.00	260.00	2340.00
23	Sundries	LS	LS	886.00	886.00
24	Wedge connectors				
a)	DOG TO DOG or equivalent AAAC	No	18	642.00	11556.00

Cost of material

970120.00

1	Erection cost on material	15.00%	145518
2	Contractor supervision charges on material	5.00%	48506
	Sub-Total		1164144
3	Contractor's Profit	5.00%	58207
	Sub-Total		1222351
4	Transportation on material	4.00%	38805
5	T&P on material cost	1.00%	9701
6	Contingencies on material	2.00%	19402
	Service Cost		2706635
	Sub-Total		1290260
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2581
	Sub-Total		1292840
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	3232
9	Insurance	1.00%	12928
10	Turnkey Charges	0.00%	0
	Total		1309001

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1842646	1308983
Total Cost of the Estimate	1842646	1308983

Assumption-

- 1) 3- cut points (including 1- rightangle cut point in 1 km.)
- 2) 2- line deviations upto 60°
- 3) 2 Strut support
- 4) 4 span guarding.
- 5) Average span length - 75 mtrs.

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0703

Cost data for 33 KV S/C Line Pin type with 100 mm² AAAC lines on 152 X 152 mm 11 mtr. RSJ

Sr.No	Particulars	Unit	Qty.	Rate	Amount
1	RSJ 152x152, 11 m long	No.	17.00	24631.00	418727.00
2	RSJ 116x100, 10 m long	No.	2.00	13882.00	27764.00
3	MS Channel 100x50x6 mm	Kg.	132.00	70.00	9240.00
4	M.S.Channel 75x40x6 mm	Kg.	91.00	70.00	6370.00
5	33 KV Top Fitting	No.	14.00	516.00	7224.00
6	MS angle 50x50x6 mm	Kg.	54.00	70.00	3780.00
7	M.S. Flats(50 X 10mm)	Kg.	36.00	65.00	2340.00
8	33 kV Pin Insulators with G.I. Pins	No.	42.00	486.00	20412.00
9	Disc Insulator 11 KV 70 KN	No.	54.00	326.00	17604.00
10	G.I.Nut Bolts	Kg.	80.00	112.00	8960.00
11	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	18.00	370.00	6660.00
12	AAAC 100 mm ²	Mtrs.	3150.00	70.00	220500.00
13	H.T.Stay Set	No.	6.00	807.00	4842.00
14	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	60.00	72.00	4320.00
15	G.I.Wire 8 SWG/ 6 SWG	Kg.	130.00	72.00	9360.00
16	Sieve Joints	No.	3.00	145.00	435.00
17	Danger Board in yard.	No.	17.00	87.00	1479.00
18	Earthing Sets H.T	No.	17.00	462.00	7854.00
19	Concreting ration 1:3:6	cmt.	17.50	4328.00	75740.00
20	G.I.Barbed Wire 'A' type.	Kg.	80.00	80.00	6400.00
21	Black bituminous paint	Ltr.	6.00	150.00	900.00
22	Red Oxide Paint for 2 coats	Ltr.	20.00	124.00	2480.00
23	Aluminium Paint for 1 coat	Ltr.	9.00	260.00	2340.00
24	Sundries	LS	LS	886.00	886.00
25	Wedge connectors				
a)	DOG TO DOG or equivalent AAAC	No	18	642.00	11556.00

Cost of material

878173.00

1	Erection cost on material	15.00%	131726
2	Contractor supervision charges on material	5.00%	43909
	Sub-Total		1053808
3	Contractor's Profit	5.00%	52690
	Sub-Total		1106498
4	Transportation on material	4.00%	35127
5	T&P on material cost	1.00%	8782
6	Contingencies on material	2.00%	17563
	Service Cost		2450103
	Sub-Total		1167970
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2336
	Sub-Total		1170306
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	2926
9	Insurance	1.00%	11703
10	Turnkey Charges	0.00%	0

Total

1184935

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1668002	1184919
Total Cost of the Estimate	1668002	1184919

Assumption-

- 1) 3- cut points (including 1- rightangle cut point in 1 km.)
- 2) 1- line deviations upto 60*
- 3) 2-Strut support
- 4) Average span length - 60 mtrs.
- 5) concreting for all poles, struts & stages. (1:3:6)

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0704

Cost data for 33 KV S/C Line Pin type with 100 mm² AAAC lines on 100 X 116 mm 10 mtr. RSJ Poles

Sr.No	Particulars	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 10 m long	No.	17.00	13882.00	235994.00
2	RSJ 116x100, 9 m long	No.	2.00	12493.00	24986.00
3	MS Channel 100x50x6 mm	Kg.	132.00	70.00	9240.00
4	M.S.Channel 75x40x6 mm	Kg.	91.00	70.00	6370.00
5	33 KV V Cross Arms	No.	14.00	1223.00	17122.00
6	33 KV Top Fitting	No.	14.00	516.00	7224.00
7	MS angle 50x50x6 mm	Kg.	54.00	70.00	3780.00
8	M.S. Flats(50 X 10mm)	Kg.	36.00	65.00	2340.00
9	33 kV Pin Insulators with G.I. Pins	No.	42.00	486.00	20412.00
10	G.I.Nut Bolts	Kg.	80.00	112.00	8960.00
11	Disc Insulator 11 KV 70 KN	No.	54.00	326.00	17604.00
12	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	18.00	370.00	6660.00
13	AAAC 100 mm ²	Rmt	3150.00	70.00	220500.00
14	H.T.Stay Set	No.	6.00	807.00	4842.00
15	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	60.00	72.00	4320.00
16	G.I.Wire 8 SWG/ 6 SWG	Kg.	130.00	72.00	9360.00
17	Sleeve Joints	No.	3.00	145.00	435.00
18	Danger Board in yard.	No.	17.00	87.00	1479.00
19	Earthing Sets H.T	No.	17.00	462.00	7854.00
20	Concreting ration 1:3:6	cmt.	17.50	4328.00	75740.00
21	G.I.Barbed Wire 'A' type.	Kg.	80.00	80.00	6400.00
22	Black bituminous paint	Ltr.	6.00	150.00	900.00
23	Red Oxide Paint for 2 coats	Ltr.	20.00	124.00	2480.00
24	Aluminium Paint for 1 coat	Ltr.	9.00	260.00	2340.00
25	Sundries	LS	LS	886.00	886.00
26	Wedge connectors				
a)	DOG TO DOG or equivalent AAAC	No	18	642.00	11556.00

Cost of material

709784.00

1	Erection cost on material	15.00%	106468
2	Contractor supervision charges on material	5.00%	35489
	Sub-Total		851741
3	Contractor's Profit	5.00%	42587
	Sub-Total		894328
4	Transportation on material	4.00%	28391
5	T&P on material cost	1.00%	7098
6	Contingencies on material	2.00%	14196
	Service Cost		1980297
	Sub-Total		944013
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1888
	Sub-Total		945901
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	2365
9	Insurance	1.00%	9459
10	Turnkey Charges	0.00%	0

Total

957725

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1348164	957712
Total Cost of the Estimate	1348164	957712

Assumption-

- 1) 3- cut points (including 1- rightangle cut point in 1 km.)
- 2) 1- line deviations upto 60°
- 3) 2-Strut support
- 4) Average span length - 60 mtrs.
- 5) concreting for all poles, struts & stages. (1:3:6)

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0706

33 kV Single Circuit with 100 sqmm Express/Highway Crossing on 152 X 152 RSJ 13 mtr Poles

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	RSJ 152x152, 13 m long	No.	4	29109.00	116436.00
2	M.S.Channel 75x40x6 mm	Kg.	60	70.00	4200.00
3	MS Channel 100x50x6 mm	Kg.	70	70.00	4900.00
4	MS angle 50x50x6 mm	kg.	22	70.00	1540.00
5	M.S.Flat 50 x 6 mm	kg.	24	65.00	1560.00
6	AAAC 100 mm2	mtr.	100	70.00	7000.00
7	33 kV Pin Insulators with G.I. Pins	NO.	6	486.00	2916.00
8	Disc Insulator 11 KV 45 KN	NO.	36	295.00	10620.00
9	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	12	370.00	4440.00
10	H.T.Stay Set	No	4	807.00	3228.00
11	G.I.Stay Wire 7/4mm(8 SWG)	kg.	20	72.00	1440.00
12	Earthing Sets H.T	No.	4	462.00	1848.00
13	Danger Board in yard.	No.	4	87.00	348.00
14	G.I.Wire 8 SWG/ 6 SWG	Kg.	25	72.00	1800.00
15	G.I.Barbed Wire 'A' type.	kg.	30	80.00	2400.00
16	Black Bituminous Paint	Ltr.	2	150.00	300.00
17	Red Oxide Paint for 2 coats	Ltr.	6	124.00	744.00
18	Aluminium Paint for 1 coat	Ltr.	4	260.00	1040.00
19	Concreting ration 1:3:6	CMT.	4	4328.00	17312.00
20	Sundries	L.S.	1	886.00	886.00
21	Wedge connectors				
a)	DOG TO DOG or equivalent AAAC	No	12	642.00	7704.00

Cost of material

192662.00

1	Erection cost on material	15.00%	28899
2	Contractor supervision charges on material	5.00%	9633
	Sub-Total		231194
3	Contractor's Profit	5.00%	11560
	Sub-Total		242754
4	Transportation on material	4.00%	7706
5	T&P on material cost	1.00%	1927
6	Contingencies on material	2.00%	3853
	Service Cost		537527
	Sub-Total		256240
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	512
	Sub-Total		256753
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	642
9	Insurance	1.00%	2568
10	Turnkey Charges	0.00%	0

Total

259962

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	365942	259959
Total Cost of the Estimate	365942	259959

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0707

33 kV Single Circuit road crossing with 100sqmm on 100 X 116mm,10 mtr RSJ Poles

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
	RSJ 116x100, 10 m long	No.	4	13882.00	55528.00
	MS Channel 100x50x6 mm	Kg.	70	70.00	4900.00
4	MS angle 50x50x6 mm	kg.	22	70.00	1540.00
5	M.S.Flat 50 x 6 mm	kg.	24	65.00	1560.00
7	AAAC 100 mm2	m	100	70.00	7000.00
8	33 kV Pin Insulators with G.I. Pins	NO.	6	486.00	2916.00
11	Disc Insulator 11 KV 45 KN	NO.	36	295.00	10620.00
12	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	12	370.00	4440.00
13	H.T.Stay Set	No	4	807.00	3228.00
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	Danger Board in yard.	No.	4	87.00	348.00
17	G.I.Wire 8 SWG/ 6 SWG	Kg.	25	72.00	1800.00
18	G.I.Barbed Wire 'A' type.	kg.	30	80.00	2400.00
19	Black Bituminous Paint	Ltr.	2	150.00	300.00
20	Red Oxide Paint for 2 coats	Ltr.	6	124.00	744.00
21	Aluminium Paint for 1 coat	Ltr.	4	260.00	1040.00
22	Concreting ration 1:3:6	CMT.	4	4328.00	17312.00
23	Sundries	L.S.	1	886.00	886.00
24	Wedge connectors				
a)	DOG TO DOG or equivalent AAAC	No	12	642.00	7704.00

Cost of material

127554.00

1	Erection cost on material	15.00%	19133
2	Contractor supervision charges on material	5.00%	6378
	Sub-Total		153065
3	Contractor's Profit	5.00%	7653
	Sub-Total		160718
4	Transportation on material	4.00%	5102
5	T&P on material cost	1.00%	1276
6	Contingencies on material	2.00%	2551
	Service Cost		355876
	Sub-Total		169647
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	339
	Sub-Total		169986
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	425
9	Insurance	1.00%	1700
10	Turnkey Charges	0.00%	0

Total

172111

Particulars	More than Rs. 40 Crs	
	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	242276	172109
Total Cost of the Estimate	242276	172109

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code 0708

Cost Data for laying of 1 Km. 33 KV 3 C 300 mm 2 XLPE under ground Cable

Sr.No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount
1	XLPE Cable 33 KV, 3 C / 300 mm sq.	Rmt	1000.00	2179.00	2179000.00
2	R.C.C. Pipe 150 mm 2 M	No	30.00	629.00	18870.00
3	RCC Tiles (0.6 x 0.5) Mtrs.	No.	940.00	149.00	140060.00
4	33 kV Heat shrik Straight through joint (AI) kit for XLPE 3 C X 300 sqmm	No.	2.00	38376.00	76752.00
5	33 kV Heat shrik Outdoor termination joint (AI) kit for XLPE 3 C X 300 sqmm	No.	2.00	19789.00	39578.00
6	Sand	Cmt.	250.00	280.00	70000.00
7	Misc. for XLPE U/G Cable	LS	1.00	1150.00	1150.00

Cost of material

2525410.00

1	Erection cost on material	15.00%	378812
2	Contractor supervision charges on material	5.00%	126271
	Sub-Total		3030492
3	Contractor's Profit	5.00%	151525
	Sub-Total		3182017
4	Transportation on material	4.00%	101016
5	T&P on material cost	1.00%	25254
6	Contingencies on material	2.00%	50508
	Service Cost		7045894
	Sub-Total		3358795
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	6718
	Sub-Total		3365513
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	8414
9	Insurance	1.00%	33655
10	Turnkey Charges	0.00%	0

Total

3407582

Particulars	More than Rs. 40 Crs	
	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	4796764	3407536
Total Cost of the Estimate	4796764	3407536

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0709

33 kV 3 X 300 sqmm XLPE Underground Cable for Railway line crossing

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	RSJ 152x152, 13 m long	No.	4	29109.00	116436.00
2	M.S.Channel 75x40x6 mm	Kg.	60	70.00	4200.00
3	MS Channel 100x50x6 mm	Kg.	100	70.00	7000.00
4	MS angle 50x50x6 mm	kg.	22	70.00	1540.00
5	M.S.Flat 50 x 6 mm	kg.	24	65.00	1560.00
6	33 KV Isolators with EB (800 A)	Set	2	69539.00	139078.00
7	33 kV Pin Insulators with G.I. Pins	NO.	6	486.00	2916.00
8	AAAC 100 mm2	Rmt	100	70.00	7000.00
9	XLPE Cable 33 KV, 3 C / 300 mm sq.	Rmt	160.00	2179.00	348640.00
10	R.C.C. Pipe 150 mm 2 M	No	35.00	629.00	22015.00
11	Black Bituminus Paint	Ltr.	2	150.00	300.00
12	Red Oxide Paint for 2 coats	Ltr.	6	124.00	744.00
13	Aluminium Paint for 1 coat	Ltr.	4	260.00	1040.00
14	33 kV Heat shrik Outdoor termination joint (AI) kit for XLPE 3 C X 300 sqmm	No.	4.00	19789.00	79156.00
15	Sand	Cmt	500.00	280.00	140000.00
16	Misc. for XLPE U/G Cable	LS	2.00	1150.00	2300.00

Cost of material

873925.00

1	Erection cost on material	15.00%	131089
2	Contractor supervision charges on material	5.00%	43696
	Sub-Total		1048710
3	Contractor's Profit	5.00%	52436
	Sub-Total		1101146
4	Transportation on material	4.00%	34957
5	T&P on material cost	1.00%	8739
6	Contingencies on material	2.00%	17479
	Service Cost		2438251
	Sub-Total		1162320
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2325
	Sub-Total		1164645
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	2912
9	Insurance	1.00%	11646
10	Turnkey Charges	0.00%	0

Total

1179203

Particulars	More than Rs. 40 Crs	
	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1659933	1179187
Total Cost of the Estimate	1659933	1179187

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0710

33 kV Single Circuit 100sqmm, RIVER Crossing on 152 X 152 RSJ 13 mtr H Poles

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	RSJ 152x152, 13 m long	No.	4	29109.00	116436.00
2	M.S.Channel 75x40x6 mm	Kg.	80	70.00	5600.00
3	MS Channel 100x50x6 mm	Kg.	100	70.00	7000.00
4	MS angle 50x50x6 mm	kg.	22	70.00	1540.00
5	M.S.Flat 50 x 6 mm	kg.	24	65.00	1560.00
6	AAAC 100 mm2	m	100	70.00	7000.00
7	33 kV Pin Insulators with G.I. Pins	NO.	6	486.00	2916.00
8	Disc Insulator 11 KV 45 KN	NO.	36	295.00	10620.00
9	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	12	370.00	4440.00
10	H.T.Stay Set	No	4	807.00	3228.00
11	G.I.Stay Wire 7/4mm(8 SWG)	kg.	20	72.00	1440.00
12	Earthing Sets H.T	No.	4	462.00	1848.00
13	Danger Board in yard.	No.	4	87.00	348.00
14	G.I.Wire 8 SWG/ 6 SWG	Kg.	25	72.00	1800.00
15	G.I.Barbed Wire 'A' type.	kg.	30	80.00	2400.00
16	Black Bituminous Paint	Ltr.	2	150.00	300.00
17	Red Oxide Paint for 2 coats	Ltr.	6	124.00	744.00
18	Aluminium Paint for 1 coat	Ltr.	4	260.00	1040.00
19	Concreting ration 1:3:6	CMT.	4	4328.00	17312.00
20	Sundries	L.S.	1	886.00	886.00
21	Wedge connectors				
a)	DOG TO DOG or equivalent AAAC	No	12	642.00	7704.00

Cost of material

196162.00

1	Erection cost on material	15.00%	29424
2	Contractor supervision charges on material	5.00%	9808
	Sub-Total		235394
3	Contractor's Profit	5.00%	11770
	Sub-Total		247164
4	Transportation on material	4.00%	7846
5	T&P on material cost	1.00%	1962
6	Contingencies on material	2.00%	3923
	Service Cost		547292
	Sub-Total		260895
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	522
	Sub-Total		261417
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	654
9	Insurance	1.00%	2614
10	Turnkey Charges	0.00%	0

Total

264685

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	372590	264681
Total Cost of the Estimate	372590	264681

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0711

DOUPLE POLE STRUCTURE(cut point) OF- 33 KV LINE USING13 M LONG RSJ POLE

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	RSJ 152x152, 13 m long	No.	2	29109.00	58218.00
2	M.S. Flats(50 X 10mm)	Kg.	10	65.00	650.00
3	MS Channel 100x50x6 mm	Kg.	46	70.00	3220.00
4	MS angle 50x50x6 mm	Kg.	50	70.00	3500.00
5	33 kv guarding channel MS100x50	Kg.	80.00	70.00	5600.00
6	33 kv Pin Insulators with G.I. Pins	No.	3	486.00	1458.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	6	370.00	2220.00
8	Disc Insulator 11 KV 70 KN	No.	18	326.00	5868.00
9	H.T.Stay Set	No.	4	807.00	3228.00
10	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	20	72.00	1440.00
11	Earthing Sets H.T	No	2	462.00	924.00
12	G.I.Wire 8 SWG/ 6 SWG	kg.	6	72.00	432.00
13	G.I.Barbed Wire 'A' type.	kg.	7	80.00	560.00
14	Danger Board in yard.	No.	2	87.00	174.00
15	Black Bituminus Paint	Ltr.	1	150.00	150.00
16	Red Oxide Paint for 2 coats	Ltr.	3	124.00	372.00
17	Aluminium Paint for 1 coat	Ltr.	2	260.00	520.00
18	Concreting ration 1:3:6	Cmt.	2	4328.00	8656.00
19	Sundries	LS	1	886.00	886.00

Cost of material

98076.00

1	Erection cost on material	15.00%	14711
2	Contractor supervision charges on material	5.00%	4904
	Sub-Total		117691
3	Contractor's Profit	5.00%	5885
	Sub-Total		123576
4	Transportation on material	4.00%	3923
5	T&P on material cost	1.00%	981
6	Contingencies on material	2.00%	1962
	Service Cost		273632
	Sub-Total		130441
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	261
	Sub-Total		130702
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	327
9	Insurance	1.00%	1307
10	Turnkey Charges	0.00%	0
	Total		132336

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	186286	132334
Total Cost of the Estimate	186286	132334

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0712

DOUPLE POLE STRUCTURE (cut point) OF- 33 KV LINE USING 11 M LONG RSJ POLE 152 x 152

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	RSJ 152x152, 11 m long	No.	2	24631.00	49262.00
2	M.S. Flats(50 X 10mm)	Kg.	10	65.00	650.00
3	MS Channel 100x50x6 mm	Kg.	46	70.00	3220.00
4	MS angle 50x50x6 mm	Kg.	50	70.00	3500.00
5	33 kv guarding channel MS100x50	Kg.	80.00	70.00	5600.00
6	33 kv Pin Insulators with G.I. Pins	No.	3	486.00	1458.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	6	370.00	2220.00
8	Disc Insulator 11 KV 70 KN	No.	18	326.00	5868.00
9	H.T.Stay Set	No.	4	807.00	3228.00
10	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	20	72.00	1440.00
11	Earthing Sets H.T	No	2	462.00	924.00
12	G.I.Wire 8 SWG/ 6 SWG	kg.	6	72.00	432.00
13	G.I.Barbed Wire 'A' type.	kg.	7	80.00	560.00
14	Danger Board in yard.	No.	2	87.00	174.00
15	Black Bituminous Paint	Ltr.	1	150.00	150.00
16	Red Oxide Paint for 2 coats	Ltr.	3	124.00	372.00
17	Aluminium Paint for 1 coat	Ltr.	2	260.00	520.00
18	Concreting ration 1:3:6	Cmt.	2	4328.00	8656.00
19	Sundries	LS	1	886.00	886.00

Cost of material

89120.00

1	Erection cost on material	15.00%	13368
2	Contractor supervision charges on material	5.00%	4456
	Sub-Total		106944
3	Contractor's Profit	5.00%	5347
	Sub-Total		112291
4	Transportation on material	4.00%	3565
5	T&P on material cost	1.00%	891
6	Contingencies on material	2.00%	1782
	Service Cost		248645
	Sub-Total		118530
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	237
	Sub-Total		118767
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	297
9	Insurance	1.00%	1188
10	Turnkey Charges	0.00%	0

Total

120251

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	169275	120250
Total Cost of the Estimate	169275	120250

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0713

DOUPLE POLE STRUCTURE(cut point) OF- 33 KV LINE USING 11 M LONG RSJ POLE 116x100

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	RSJ 116x100, 11 m long	No.	2	15270.00	30540.00
2	M.S. Flats(50 X 10mm)	Kg.	10	65.00	650.00
3	MS Channel 100x50x6 mm	Kg.	46	70.00	3220.00
4	MS angle 50x50x6 mm	Kg.	50	70.00	3500.00
5	33 kv guarding channel MS100x50	Kg.	80.00	70.00	5600.00
6	33 kv Pin Insulators with G.I. Pins	No.	3	486.00	1458.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	6	370.00	2220.00
8	Disc Insulator 11 KV 70 KN	No.	18	326.00	5868.00
9	H.T.Stay Set	No.	4	807.00	3228.00
10	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	20	72.00	1440.00
11	Earthing Sets H.T	No	2	462.00	924.00
12	G.I.Wire 8 SWG/ 6 SWG	kg.	6	72.00	432.00
13	G.I.Barbed Wire 'A' type.	kg.	7	80.00	560.00
14	Danger Board in yard.	No.	2	87.00	174.00
15	Black Bituminus Paint	Ltr.	1	150.00	150.00
16	Red Oxide Paint for 2 coats	Ltr.	3	124.00	372.00
17	Aluminium Paint for 1 coat	Ltr.	2	260.00	520.00
18	Concreting ration 1:3:6	Cmt.	2	4328.00	8656.00
19	Sundries	LS	1	886.00	886.00

Cost of material

70398.00

1	Erection cost on material	15.00%	10560
2	Contractor supervision charges on material	5.00%	3520
	Sub-Total		84478
3	Contractor's Profit	5.00%	4224
	Sub-Total		88701
4	Transportation on material	4.00%	2816
5	T&P on material cost	1.00%	704
6	Contingencies on material	2.00%	1408
	Service Cost		196410
	Sub-Total		93629
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	187
	Sub-Total		93817
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	235
9	Insurance	1.00%	938
10	Turnkey Charges	0.00%	0
	Total		94989

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	133714	94988
Total Cost of the Estimate	133714	94988

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0714

SINGLE POLE CUT POINT STRUCTURE FOR 33KV LINE ON RSJ 13 M POLE

S.N.	Description of material	Unit	Qty.	RT/U.Rs.	Amt Rs.
1	RSJ 152x152, 13 m long	No.	1	29109.00	29109.00
2	RSJ 152x152, 12 m long	No.	1	26869.00	26869.00
3	MS Channel 100x50x6 mm	Kg.	35	70.00	2450.00
4	MS angle 50x50x6 mm	Kg.	50	70.00	3500.00
5	33 kv guarding channel MS100x50	Kg.	40.00	70.00	2800.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	6	370.00	2220.00
7	Disc Insulator 11 KV 70 KN	No.	18	326.00	5868.00
8	H.T.Stay Set	No.	2	807.00	1614.00
9	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	10	72.00	720.00
10	Earthing Sets H.T	No.	1	462.00	462.00
11	G.I.Wire 8 SWG/ 6 SWG	Kg.	2	72.00	144.00
12	G.I.Barbed Wire 'A' type.	Kg.	2	80.00	160.00
13	Danger Board in yard.	No.	1	87.00	87.00
14	Concreting ration 1:3:6	Cmt.	1.5	4328.00	6492.00
15	Black Bituminus Paint	Ltr.	0.5	150.00	75.00
16	Red Oxide Paint for 2 coats	Ltr.	1.5	124.00	186.00
17	Aluminium Paint for 1 coat	Ltr.	1	260.00	260.00
18	Sundries	LS	1	886.00	886.00
Cost of material					83902.00

1	Erection cost on material	15.00%	12585
2	Contractor supervision charges on material	5.00%	4195
	Sub-Total		100682
3	Contractor's Profit	5.00%	5034
	Sub-Total		105717
4	Transportation on material	4.00%	3356
5	T&P on material cost	1.00%	839
6	Contingencies on material	2.00%	1678
	Service Cost		234087
	Sub-Total		111590
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	223
	Sub-Total		111813
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	280
9	Insurance	1.00%	1118
10	Turnkey Charges	0.00%	0
	Total		113210

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	159363	113209
Total Cost of the Estimate	159363	113209

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0715

SINGLE POLE CUT POINT STRUCTURE FOR 33KV LINE ON RSJ 11 M POLE

S.N.	Description of material	Unit	Qty.	RT/U.Rs.	Amt Rs.
1	RSJ 152x152, 11 m long	No.	1	24631.00	24631.00
2	RSJ 152x152, 10 m long	No.	1	22391.00	22391.00
3	MS Channel 100x50x6 mm	Kg.	35	70.00	2450.00
4	MS angle 50x50x6 mm	Kg.	50	70.00	3500.00
5	33 kv guarding channel MS100x50	Kg.	40.00	70.00	2800.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	6	370.00	2220.00
7	Disc Insulator 11 KV 70 KN	No.	18	326.00	5868.00
8	H.T.Stay Set	No.	2	807.00	1614.00
9	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	10	72.00	720.00
10	Earthing Sets H.T	No.	1	462.00	462.00
11	G.I.Wire 8 SWG/ 6 SWG	Kg.	2	72.00	144.00
12	G.I.Barbed Wire 'A' type.	Kg.	2	80.00	160.00
13	Danger Board in yard.	No.	1	87.00	87.00
14	Concreting ration 1:3:6	Cmt.	1.5	4328.00	6492.00
15	Black Bituminus Paint	Ltr.	0.5	150.00	75.00
16	Red Oxide Paint for 2 coats	Ltr.	1.5	124.00	186.00
17	Aluminium Paint for 1 coat	Ltr.	1	260.00	260.00
18	Sundries	LS	1	886.00	886.00
Cost of material					74946.00

1	Erection cost on material	15.00%	11242
2	Contractor supervision charges on material	5.00%	3747
	Sub-Total		89935
3	Contractor's Profit	5.00%	4497
	Sub-Total		94432
4	Transportation on material	4.00%	2998
5	T&P on material cost	1.00%	749
6	Contingencies on material	2.00%	1499
	Service Cost		209099
	Sub-Total		99678
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	199
	Sub-Total		99878
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour ccess)	0.25%	250
9	Insurance	1.00%	999
10	Turnkey Charges	0.00%	0
	Total		101126

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	142352	101125
Total Cost of the Estimate	142352	101125

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0718

Cost data for 33 KV S/C Line Pin type with 100 mm² AAAC lines on 100 X 116 mm 11 mtr. RSJ Poles

Sr.No	Particulars	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 11 m long	No.	17.00	15270.00	259590.00
2	RSJ 116x100, 10 m long	No.	2.00	13882.00	27764.00
3	MS Channel 100x50x6 mm	Kg.	132.00	70.00	9240.00
4	M.S.Channel 75x40x6 mm	Kg.	91.00	70.00	6370.00
5	MS angle 50x50x6 mm	Kg.	54.00	70.00	3780.00
6	M.S. Flats(50 X 10mm)	Kg.	36.00	65.00	2340.00
7	33 kV Pin Insulators with G.I. Pins	No.	42.00	486.00	20412.00
8	33 KV V Cross Arms	No.	14.00	1223.00	17122.00
9	33 KV Top Fitting	No.	14.00	516.00	7224.00
10	G.I.Nut Bolts	Kg.	80.00	112.00	8960.00
11	Disc Insulator 11 KV 70 KN	No.	54.00	326.00	17604.00
12	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	18.00	370.00	6660.00
13	AAAC 100 mm ²	Rmt	3150.00	70.00	220500.00
14	H.T.Stay Set	No.	6.00	807.00	4842.00
15	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	60.00	72.00	4320.00
16	G.I.Wire 8 SWG/ 6 SWG	Kg.	130.00	72.00	9360.00
17	Sleeve Joints	No.	3.00	145.00	435.00
18	Danger Board in yard.	No.	17.00	87.00	1479.00
19	Earthing Sets H.T	No.	17.00	462.00	7854.00
20	Concreting ration 1:3:6	cmt.	17.50	4328.00	75740.00
21	G.I.Barbed Wire 'A' type.	Kg.	80.00	80.00	6400.00
22	Black bituminous paint	Ltr.	6.00	150.00	900.00
23	Red Oxide Paint for 2 coats	Ltr.	20.00	124.00	2480.00
24	Aluminium Paint for 1 coat	Ltr.	9.00	260.00	2340.00
25	Sundries	LS	LS	886.00	886.00
26	Wedge connectors				
a)	DOG TO DOG or equivalent AAAC	No	18	642.00	11556.00

Cost of material

736158.00

1	Erection cost on material	15.00%	110424
2	Contractor supervision charges on material	5.00%	36808
	Sub-Total		883390
3	Contractor's Profit	5.00%	44169
	Sub-Total		927559
4	Transportation on material	4.00%	29446
5	T&P on material cost	1.00%	7362
6	Contingencies on material	2.00%	14723
	Service Cost		2053881
	Sub-Total		979090
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1958
	Sub-Total		981048
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	2453
9	Insurance	1.00%	9810
10	Turnkey Charges	0.00%	0

Total

993311

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1398259	993298
Total Cost of the Estimate	1398259	993298

Assumption-

- 1) 3- cut points (including 1- rightangle cut point in 1 km.)
- 2) 1- line deviations upto 60°
- 3) 2-Strut support
- 4) Average span length - 60 mtrs.
- 5) concreting for all poles, struts & stages. (1:3:6)

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0720

33 kV Pin type line with 100 sq. mm AAAC conductor on 152 X 152mm, 13 mtr RSJ pole

Sr.No	Description	Unit	Qty.	Rate	Amount
1	RSJ 152x152, 13 m long	No	17	29109.00	494853.00
2	RSJ 116x100, 12 m long	No	2	16658.00	33316.00
3	33 KV V Cross Arms	No	14	1223.00	17122.00
4	Clamps for 152 x 152 mm RSJ Pole Stay	Pair	34	340.00	11560.00
5	Clamps for 100 x 116 mm RSJ Pole Stay	Pair	4	230.00	920.00
6	33 KV Top Fitting	No	14	516.00	7224.00
7	33 kV Pin Insulators with G.I. Pins	No	42	486.00	20412.00
8	Disc Insulator 11 KV 70 KN	No	54	326.00	17604.00
9	Strain Hardware for Dog0.1 or Equ.AAAC.	Set	18	370.00	6660.00
10	H.T.Stay Set	Set	6	807.00	4842.00
11	MS Channel 100x50x6 mm	Kg	105	70.00	7350.00
12	33 kv guarding channel MS100x50	Kg.	250.00	70.00	17500.00
13	G.I.Nut Bolts	Kg	100	112.00	11200.00
14	Earthing Sets H.T	Set	32	462.00	14784.00
15	AAAC 100 mm2	Rmt	2000	70.00	140000.00
16	Danger Board in yard.	No	32	87.00	2784.00
17	Red Oxide Paint for 2 coats	Ltr	30	124.00	3720.00
18	Aluminium Paint for 1 coat	Ltr	30	260.00	7800.00
19	Sundries	LS	1	886.00	886.00
20	Wedge connectors				
a)	DOG TO DOG or equivalent AAAC	No	18	642.00	11556.00
	Cost of Material				819651.00

1	Erection cost on material	15.00%	122948
2	Contractor supervision charges on material	5.00%	40983
	Sub-Total		983581
3	Contractor's Profit	5.00%	49179
	Sub-Total		1032760
4	Transportation on material	4.00%	32786
5	T&P on material cost	1.00%	8197
6	Contingencies on material	2.00%	16393
	Service Cost		2286826
	Sub-Total		1090136
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2180
	Sub-Total		1092316
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	2731
9	Insurance	1.00%	10923
10	Turnkey Charges	0.00%	0

Total

1105970

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1556845	1105955
Total Cost of the Estimate	1556845	1105955

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0721

33 kV Tapping structure using 100 X 116, 11 mtr RSJ pole.

Sr.No	Description of Material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 11 m long	No	4	15270.00	61080.00
2	RSJ 116x100, 10 m long	No	0	13882.00	0.00
3	MS Channel 100x50x6 mm	Kg	204	70.00	14280.00
4	M.S.Channel 75x40x6 mm	Kg	300	70.00	21000.00
5	MS angle 50x50x6 mm	Kg	45	70.00	3150.00
6	M.S. Flats(50 X 10mm)	Kg	35	65.00	2275.00
7	33 kV Pin Insulators with G.I. Pins	No	3	486.00	1458.00
8	G.I.Nut Bolts	Kg	10	112.00	1120.00
9	Disc Insulator 11 KV 70 KN	No	18	326.00	5868.00
10	Strain Hardware for Dog0.1 or Equ.AAAC.	Set	6	370.00	2220.00
11	H.T.Stay Set	Set	4	807.00	3228.00
12	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	40.00	72.00	2880.00
13	G.I.Wire 8 SWG/ 6 SWG	Kg.	15.000	72.00	1080.00
14	Aluminium Jointing Sleeve for 100 Sq mm AAAC	No	6	157.00	942.00
15	Danger Board in yard.	No	4	87.00	348.00
16	Earthing Sets H.T	Set	4	462.00	1848.00
17	G.I.Barbed Wire 'A' type.	Kg.	10.00	80.00	800.00
18	33 KV Isolators without EB (800 Amp.)	Set	1.00	63643.00	63643.00
19	Sundries such as N/B, Washers, Welding etc.	LS	1.00	3163.00	3163.00

Cost of Material

190383.00

1	Erection cost on material	15.00%	28557
2	Contractor supervision charges on material	5.00%	9519
	Sub-Total		228460
3	Contractor's Profit	5.00%	11423
	Sub-Total		239883
4	Transportation on material	4.00%	7615
5	T&P on material cost	1.00%	1904
6	Contingencies on material	2.00%	3808
	Service Cost		531169
	Sub-Total		253209
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	506
	Sub-Total		253716
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour ccess)	0.25%	634
9	Insurance	1.00%	2537
10	Turnkey Charges	0.00%	0

Total

256887

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	361613	256884
Total Cost of the Estimate	361613	256884

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0725

Express/Highway Crossing with 232 sqmm AAAC Conductor on 152 X 152, 13 mtr RSJ Poles

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	RSJ 152x152, 13 m long	No.	4	29109.00	116436.00
2	M.S.Channel 75x40x6 mm	Kg.	80	70.00	5600.00
3	MS Channel 100x50x6 mm	Kg.	100	70.00	7000.00
4	MS angle 50x50x6 mm	kg.	22	70.00	1540.00
5	M.S.Flat 50 x 6 mm	kg.	24	65.00	1560.00
6	AAAC 232 mm2	mtr.	100	162.00	16200.00
6	33 kV Pin Insulators with G.I. Pins	NO.	6	486.00	2916.00
7	Disc Insulator 11 KV 45 KN	NO.	36	295.00	10620.00
8	Strain Hardware for AAAC232 sq.mm.	No.	12	693.00	8316.00
9	H.T.Stay Set	No	4	807.00	3228.00
10	G.I.Stay Wire 7/4mm(8 SWG)	kg.	20	72.00	1440.00
11	Earthing Sets H.T	No.	4	462.00	1848.00
12	Danger Board in yard.	No.	4	87.00	348.00
13	G.I.Wire 8 SWG/ 6 SWG	Kg.	25	72.00	1800.00
14	G.I.Barbed Wire 'A' type.	kg.	30	80.00	2400.00
15	Black Bituminus Paint	Ltr.	2	150.00	300.00
16	Red Oxide Paint for 2 coats	Ltr.	6	124.00	744.00
17	Aluminium Paint for 1 coat	Ltr.	4	260.00	1040.00
18	Concreting ration 1:3:6	CMT.	4	4328.00	17312.00
19	Sundries	L.S.	1	886.00	886.00
20	Wedge connectors				
a)	PANTHER TO PANTHER or equivalent AAAC	No	12	826.00	9912.00

Cost of material

211446.00

1	Erection cost on material	15.00%	31717
2	Contractor supervision charges on material	5.00%	10572
	Sub-Total		253735
3	Contractor's Profit	5.00%	12687
	Sub-Total		266422
4	Transportation on material	4.00%	8458
5	T&P on material cost	1.00%	2114
6	Contingencies on material	2.00%	4229
	Service Cost		589934
	Sub-Total		281223
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	562
	Sub-Total		281786
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	704
9	Insurance	1.00%	2818
10	Turnkey Charges	0.00%	0

Total

285308

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	401621	285304
Total Cost of the Estimate	401621	285304

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0726

Road Crossing with 232 sqmm AAAC Conductor on 152 X 152, 10 mtr RSJ Poles

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	RSJ 152x152, 10 m long	No.	4	22391.00	89564.00
2	M.S.Channel 75x40x6 mm	Kg.	80	70.00	5600.00
3	MS Channel 100x50x6 mm	Kg.	100	70.00	7000.00
4	MS angle 50x50x6 mm	kg.	22	70.00	1540.00
5	M.S.Flat 50 x 6 mm	kg.	24	65.00	1560.00
6	AAAC 232 mm2	m	100	162.00	16200.00
6	33 kV Pin Insulators with G.I. Pins	NO.	6	486.00	2916.00
7	Disc Insulator 11 KV 45 KN	NO.	36	295.00	10620.00
8	Strain Hardware for AAAC232 sq.mm.	No.	12	693.00	8316.00
9	H.T.Stay Set	No	4	807.00	3228.00
10	G.I.Stay Wire 7/4mm(8 SWG)	kg.	20	72.00	1440.00
11	Earthing Sets H.T	No.	4	462.00	1848.00
12	Danger Board in yard.	No.	4	87.00	348.00
13	G.I.Wire 8 SWG/ 6 SWG	Kg.	25	72.00	1800.00
14	G.I.Barbed Wire 'A' type.	kg.	30	80.00	2400.00
15	Black Bituminous Paint	Ltr.	2	150.00	300.00
16	Red Oxide Paint for 2 coats	Ltr.	6	124.00	744.00
17	Aluminium Paint for 1 coat	Ltr.	4	260.00	1040.00
18	Concreting ration 1:3:6	CMT.	4	4328.00	17312.00
19	Sundries	L.S.	1	886.00	886.00
20	Wedge connectors				
a)	PANTHER TO PANTHER or equivalent AAAC	No	12	826.00	9912.00

Cost of material

184574.00

1	Erection cost on material	15.00%	27686
2	Contractor supervision charges on material	5.00%	9229
	Sub-Total		221489
3	Contractor's Profit	5.00%	11074
	Sub-Total		232563
4	Transportation on material	4.00%	7383
5	T&P on material cost	1.00%	1846
6	Contingencies on material	2.00%	3691
	Service Cost		514961
	Sub-Total		245483
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	491
	Sub-Total		245974
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	615
9	Insurance	1.00%	2460
10	Turnkey Charges	0.00%	0

Total

249049

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	350580	249046
Total Cost of the Estimate	350580	249046

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.801

Cost data for Pin type, 22 KV, ACSR Weasel conductor on 116 X 100 mm, 11 mtr long RSJ Poles

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	RSJ 116x100, 11 m long	No.	15	15270.00	229050.00
2	RSJ 116x100, 9 m long	No.	2	12493.00	24986.00
3	MS Channel 100x50x6 mm	Kg.	177	70.00	12390.00
4	M.S.Channel 75x40x6 mm	Kg.	122	70.00	8540.00
5	MS angle 50x50x6 mm	Kg.	72	70.00	5040.00
6	M.S. Flats(50 X 10mm)	Kg.	34	65.00	2210.00
7	22 KV V cross arm with clamp	No.	13.00	1223.00	15899.00
8	22 KV Top Fitting	No.	13.00	516.00	6708.00
9	G.I.Nut Bolts	Kg.	80	112.00	8960.00
10	22 kV Pin Insulators with G.I. Pins	No.	33	406.00	13398.00
11	Disc Insulator 11 KV 45 KN	No.	48	295.00	14160.00
12	Strain Hardware forWeasel/Squirrel	Set	24	225.00	5400.00
13	ACSR Weasel	Rmt	3150	24.00	75600.00
14	H.T.Stay Set	Set	8	807.00	6456.00
15	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	80	72.00	5760.00
16	Earthing Sets H.T	Set	15	462.00	6930.00
17	G.I.Barbed Wire 'A' type.	Kg.	66	80.00	5280.00
18	Danger Board in yard.	No.	15	87.00	1305.00
19	Black Bituminus Paint	Ltr.	6	150.00	900.00
20	Red Oxide Paint for 2 coats	Ltr.	20	124.00	2480.00
21	Aluminium Paint for 1 coat	Ltr.	9	260.00	2340.00
22	Concreting ration 1:3:6	Cmt.	17.5	4328.00	75740.00
23	G.I.Wire 8 SWG/ 6 SWG	Kg.	130	72.00	9360.00
24	Sundries	LS	1	886.00	886.00
25	Wedge connectors				
a)	WEASEL TO WEASEL or equivalent AAAC	No	24	131.00	3144.00

Cost of material

542922.00

1	Erection cost on material	15.00%	81438
2	Contractor supervision charges on material	5.00%	27146
	Sub-Total		651506
3	Contractor's Profit	5.00%	32575
	Sub-Total		684082
4	Transportation on material	4.00%	21717
5	T&P on material cost	1.00%	5429
6	Contingencies on material	2.00%	10858
	Service Cost		1514752
	Sub-Total		722086
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1444
	Sub-Total		723530
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1809
9	Insurance	1.00%	7235
10	Turnkey Charges	0.00%	0

Total

732575

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1031226	732565
Total Cost of the Estimate	1031226	732565

Assumption:

- 1) 4- cut points (including 1- rightangle cut point in 1 km.)
- 2) 2- line deviations upto 60*
- 3) 2 Strut support
- 4) 5 Spans carpet guarding.
- 5) Average span lengthe - 70 mtrs.
- 6) Conceriting for all poles, struts & stages. (1:4:8)

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0804

Cost data for 22 KV Single circuit Suspension type with 100sq.mm AAAC lines on 152x152 mm 11 mtr RSJ poles

(A) HT Line :

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	RSJ 152x152, 11 m long	No.	17	24631.00	418727.00
2	RSJ 116x100, 10 m long	No.	2	13882.00	27764.00
3	MS Channel 100x50x6 mm	Kg.	607	70.00	42490.00
4	M.S.Channel 75x40x6 mm	Kg.	122	70.00	8540.00
5	MS angle 50x50x6 mm	Kg.	248	70.00	17360.00
6	M.S. Flats(50 X 10mm)	Kg.	107	65.00	6955.00
7	G.I.Nut Bolts	Kg.	90	112.00	10080.00
8	Disc Insulator 11 KV 45 KN	No.	126	295.00	37170.00
9	SSN Hardware for 0.1 Dog or AAAC 100 Sq.mm	No.	39.00	258.00	10062.00
10	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	24.00	370.00	8880.00
11	AAAC 100 mm2	Rmt	3150	70.00	220500.00
12	Sleve Joints	No.	3	145.00	435.00
13	H.T.Stay Set	Set	8	807.00	6456.00
14	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	80	72.00	5760.00
15	Earthing Sets H.T	Set	17	462.00	7854.00
16	G.I.Barbed Wire 'A' type.	Kg.	77	80.00	6160.00
17	Danger Board in yard.	No.	17	87.00	1479.00
18	Concreting ration 1:3:6	Cmt.	20	4328.00	86560.00
19	G.I.Wire 8 SWG/ 6 SWG	Kg.	130	72.00	9360.00
20	Black Bituminus Paint	Ltr.	6	150.00	900.00
21	Red Oxide Paint for 2 coats	Ltr.	20	124.00	2480.00
22	Aluminium Paint for 1 coat	Ltr.	9	260.00	2340.00
23	Sundries	LS	1	886.00	886.00
24	Wedge connectors				
a)	DOG TO DOG or equivalent AAAC	No	24	642.00	15408.00

Cost of material

954606.00

1	Erection cost on material	15.00%	143191
2	Contractor supervision charges on material	5.00%	47730
	Sub-Total		1145527
3	Contractor's Profit	5.00%	57276
	Sub-Total		1202804
4	Transportation on material	4.00%	38184
5	T&P on material cost	1.00%	9546
6	Contigencies on material	2.00%	19092
	Service Cost		2663351
	Sub-Total		1269626
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2539
	Sub-Total		1272165
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	3180
9	Insurance	1.00%	12722
10	Turnkey Charges	0.00%	0

Total

1288067

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1813179	1288050
Total Cost of the Estimate	1813179	1288050

Assumption:

- 1)4- cut points (including 1- rightangle cut point in 1 km.)
- 2) Average span lengthe - 60 mtrs.
- 3) Conceriting for all poles, struts & stages. (1:4:8)
- 4) 5 strut support considered.

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0805

Cost data for 22 KV Single circuit suspension type with 100sq.mm AAAC lines on 152x152 mm 13 mtr RSJ poles

(A) HT Line :

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	RSJ 152x152, 13 m long	No.	17	29109.00	494853.00
2	RSJ 116x100, 11 m long	No.	2	15270.00	30540.00
3	MS Channel 100x50x6 mm	Kg.	607	70.00	42490.00
4	M.S.Channel 75x40x6 mm	Kg.	122	70.00	8540.00
5	MS angle 50x50x6 mm	Kg.	248	70.00	17360.00
6	M.S. Flats(50 X 10mm)	Kg.	107	65.00	6955.00
7	G.I.Nut Bolts	Kg.	90	112.00	10080.00
8	Disc Insulator 11 KV 45 KN	No.	126	295.00	37170.00
9	SSN Hardware for 0.1 Dog or AAAC 100 Sq.mm	No.	39.00	258.00	10062.00
10	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	24.00	370.00	8880.00
11	AAAC 100 mm ²	Rmt	3150	70.00	220500.00
12	Sleve Joints	No.	3	145.00	435.00
13	H.T.Stay Set	Set	8	807.00	6456.00
14	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	80	72.00	5760.00
15	Earthing Sets H.T	Set	17	462.00	7854.00
16	G.I.Barbed Wire 'A' type.	Kg.	77	80.00	6160.00
17	Danger Board in yard.	No.	17	87.00	1479.00
18	Concreting ration 1:3:6	Cmt.	20	4328.00	86560.00
19	G.I.Wire 8 SWG/ 6 SWG	Kg.	130	72.00	9360.00
20	Black Bituminus Paint	Ltr.	6	150.00	900.00
21	Red Oxide Paint for 2 coats	Ltr.	20	124.00	2480.00
22	Aluminium Paint for 1 coat	Ltr.	9	260.00	2340.00
23	Sundries	LS	1	886.00	886.00
24	Wedge connectors				
a)	DOG TO DOG or equivalent AAAC	No	24	642.00	15408.00

Cost of material

1033508.00

1	Erection cost on material	15.00%	155026
2	Contractor supervision charges on material	5.00%	51675
	Sub-Total		1240210
3	Contractor's Profit	5.00%	62010
	Sub-Total		1302220
4	Transportation on material	4.00%	41340
5	T&P on material cost	1.00%	10335
6	Contingencies on material	2.00%	20670
	Service Cost		2883487
	Sub-Total		1374566
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2749
	Sub-Total		1377315
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	3443
9	Insurance	1.00%	13773
10	Turnkey Charges	0.00%	0

Total

1394531

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1963045	1394512
Total Cost of the Estimate	1963045	1394512

Assumption:

- 1) 4- cut points (including 1- rightangle cut point in 1 km.)
- 2) Average span lengthe - 60 mtrs.
- 3) Concering for all poles, struts & stages. (1:4:8)
- 4) 2 strut support considered.

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0806

Cost data for 22 KV Single circuit Pin type with 100sq.mm AAAC lines on 152x152 mm 11 mtr RSJ poles

(A) HT Line :

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	RSJ 152x152, 11 m long	No.	17	24631.00	418727.00
2	RSJ 116x100, 10 m long	No.	2	13882.00	27764.00
3	MS Channel 100x50x6 mm	Kg.	177	70.00	12390.00
4	M.S.Channel 75x40x6 mm	Kg.	122	70.00	8540.00
5	MS angle 50x50x6 mm	Kg.	72	70.00	5040.00
6	M.S. Flats(50 X 10mm)	Kg.	37	65.00	2405.00
7	22 KV V cross arm with clamp	No.	13.00	1223.00	15899.00
8	22 KV Top Fitting	No.	13.00	516.00	6708.00
9	G.I.Nut Bolts	Kg.	90	112.00	10080.00
10	22 kv Pin Insulators with G.I. Pins	No.	39	406.00	15834.00
11	Disc Insulator 11 KV 45 KN	No.	48	295.00	14160.00
12	Strain Hardware for Dog0.1 or Equ.AAAC.	Set	24	370.00	8880.00
13	AAAC 100 mm2	Rmt	3150	70.00	220500.00
14	Sleeve Joints	No.	3	145.00	435.00
15	H.T.Stay Set	Set	8	807.00	6456.00
16	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	80	72.00	5760.00
17	Earthing Sets H.T	Set	17	462.00	7854.00
18	G.I.Barbed Wire 'A' type.	Kg.	77	80.00	6160.00
19	Danger Board in yard.	No.	17	87.00	1479.00
20	Concreting ration 1:3:6	Cmt.	20	4328.00	86560.00
21	G.I.Wire 8 SWG/ 6 SWG	Kg.	130	72.00	9360.00
22	Black Bituminus Paint	Ltr.	6	150.00	900.00
23	Red Oxide Paint for 2 coats	Ltr.	20	124.00	2480.00
24	Aluminium Paint for 1 coat	Ltr.	9	260.00	2340.00
25	Sundries	LS	1	886.00	886.00
26	Wedge connectors				
a)	DOG TO DOG or equivalent AAAC	No	24	642.00	15408.00

Cost of material

913005.00

1	Erection cost on material	15.00%	136951
2	Contractor supervision charges on material	5.00%	45650
	Sub-Total		1095606
3	Contractor's Profit	5.00%	54780
	Sub-Total		1150386
4	Transportation on material	4.00%	36520
5	T&P on material cost	1.00%	9130
6	Contingencies on material	2.00%	18260
	Service Cost		2547284
	Sub-Total		1214297
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2429
	Sub-Total		1216725
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	3042
9	Insurance	1.00%	12167
10	Turnkey Charges	0.00%	0

Total

1231934

Particulars	Tender/ Estimate Amount	
	DPR Amount	
Cost with overheads on Material	89.94%	34.930%
Total Cost of the Estimate	1734162	1231918
	1734162	1231918

Assumption:

- 1) 4- cut points (including 1- rightangle cut point in 1 km.)
- 2) Average span lengthe - 60 mtrs.
- 3) Conceriting for all poles, struts & stages. (1:4:8)
- 4) 2 strut support considered.

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0807

Cost data for 22 KV Single circuit Pin type with 100sq.mm AAAC lines on 100x116 mm 10 mtr RSJ poles

(A) HT Line :

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	RSJ 116x100, 10 m long	No.	17	13882.00	235994.00
2	RSJ 116x100, 9 m long	No.	2	12493.00	24986.00
3	MS Channel 100x50x6 mm	Kg.	177	70.00	12390.00
4	M.S.Channel 75x40x6 mm	Kg.	122	70.00	8540.00
5	MS angle 50x50x6 mm	Kg.	72	70.00	5040.00
6	M.S. Flats(50 X 10mm)	Kg.	37	65.00	2405.00
7	22 KV V cross arm with clamp	No.	13.00	1223.00	15899.00
8	22 KV Top Fitting	No.	13.00	516.00	6708.00
9	G.I.Nut Bolts	Kg.	90	112.00	10080.00
10	22 kv Pin Insulators with G.I. Pins	No.	39	406.00	15834.00
11	Disc Insulator 11 KV 45 KN	No.	48	295.00	14160.00
12	Strain Hardware for Dog0.1 or Equ.AAAC.	Set	24	370.00	8880.00
13	AAAC 100 mm2	Rmt	3150	70.00	220500.00
14	Sleeve Joints	No.	3	145.00	435.00
15	H.T.Stay Set	Set	8	807.00	6456.00
16	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	80	72.00	5760.00
17	Earthing Sets H.T	Set	17	462.00	7854.00
18	G.I.Barbed Wire 'A' type.	Kg.	77	80.00	6160.00
19	Danger Board in yard.	No.	17	87.00	1479.00
20	Concreting ration 1:3:6	Cmt.	20	4328.00	86560.00
21	G.I.Wire 8 SWG/ 6 SWG	Kg.	130	72.00	9360.00
22	Black Bituminus Paint	Ltr.	6	150.00	900.00
23	Red Oxide Paint for 2 coats	Ltr.	20	124.00	2480.00
24	Aluminium Paint for 1 coat	Ltr.	9	260.00	2340.00
25	Sundries	LS	1	886.00	886.00
26	Wedge connectors				
a)	DOG TO DOG or equivalent AAAC	No	24	642.00	15408.00

Cost of material

727494.00

1	Erection cost on material	15.00%	109124
2	Contractor supervision charges on material	5.00%	36375
	Sub-Total		872993
3	Contractor's Profit	5.00%	43650
	Sub-Total		916642
4	Transportation on material	4.00%	29100
5	T&P on material cost	1.00%	7275
6	Contingencies on material	2.00%	14550
	Service Cost		2029708
	Sub-Total		967567
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1935
	Sub-Total		969502
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	2424
9	Insurance	1.00%	9695
10	Turnkey Charges	0.00%	0

Total

981621

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1381802	981608
Total Cost of the Estimate	1381802	981608

Assumption:

- 1) 4- cut points (including 1- rightangle cut point in 1 km.)
- 2) Average span lengthe - 60 mtrs.
- 3) Conceriting for all poles, struts & stages. (1:4:8)
- 4) 5 strut support considered.

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0808

Cost data for 22 kV Single Circuit pin type with ACSR Weasel on 9 mtr PSC 200 kg poles

For 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	2983.00	53694.00
2	M.S. Flats(50 X 10mm)	Kg.	39	65.00	2535.00
3	M.S.Channel 75x40x6 mm	Kg.	122	70.00	8540.00
4	MS Channel 100x50x6 mm	Kg.	177	70.00	12390.00
5	22 KV V cross arm with clamp	No.	14.00	1223.00	17122.00
6	22 KV Top Fitting	No.	14.00	516.00	7224.00
7	22 kV Pin Insulators with G.I. Pins	No.	42	406.00	17052.00
8	Disc Insulator 11 KV 45 KN	No.	48	295.00	14160.00
9	Strain Hardware for Weasel/Squirrel	Set	24	225.00	5400.00
10	ACSR Weasel	Rmt	3150	24.00	75600.00
11	Sieve Joints	No.	3	145.00	435.00
12	H.T.Stay Set	No.	8	807.00	6456.00
13	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	80	72.00	5760.00
14	Earthing Sets H.T	No	18	462.00	8316.00
15	G.I.Barbed Wire 'A' type.	Kg.	30	80.00	2400.00
16	Danger Board in yard.	No.	18	87.00	1566.00
17	G.I.Wire 8 SWG/ 6 SWG	Kg.	130	72.00	9360.00
18	Concreting ration 1:3:6	No.	10	4328.00	43280.00
19	Black Bituminus Paint	Ltr.	6	150.00	900.00
20	Red Oxide Paint for 2 coats	Ltr.	20	124.00	2480.00
21	Aluminium Paint for 1 coat	Ltr.	9	260.00	2340.00
22	Sundries	LS	1	886.00	886.00
23	Wedge connectors				
a)	WEASEL TO WEASEL or equivalent AAAC	No	24	131.00	3144.00

Cost of material

301040.00

1	Erection cost on material	15.00%	45156
2	Contractor supervision charges on material	5.00%	15052
	Sub-Total		361248
3	Contractor's Profit	5.00%	18062
	Sub-Total		379310
4	Transportation on material	4.00%	12042
5	T&P on material cost	1.00%	3010
6	Contingencies on material	2.00%	6021
	Service Cost		839902
	Sub-Total		400383
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	801
	Sub-Total		401184
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1003
9	Insurance	1.00%	4012
10	Turnkey Charges	0.00%	0

Total

406199

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	571795	406193
Total Cost of the Estimate	571795	406193

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0809

Cost data for 22 kV Single Circuit Express/Highway Crossing with AAAC 100 sqmm conductor on Double 152 X 152 RSJ 13 mtr Poles

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	RSJ 152x152, 13 m long	No.	4	29109.00	116436.00
2	M.S.Channel 75x40x6 mm	Kg.	60	70.00	4200.00
3	MS Channel 100x50x6 mm	Kg.	100	70.00	7000.00
4	MS angle 50x50x6 mm	kg.	22	70.00	1540.00
5	M.S.Flat 50 x 6 mm	kg.	24	65.00	1560.00
6	AAAC 100 mm2	m	100	70.00	7000.00
7	22 kV Pin Insulators with G.I. Pins	NO.	6	406.00	2436.00
8	Disc Insulator 11 KV 45 KN	NO.	24	295.00	7080.00
9	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	12	370.00	4440.00
10	H.T.Stay Set	No	4	807.00	3228.00
11	G.I.Stay Wire 7/4mm(8 SWG)	kg.	25	72.00	1800.00
12	Earthing Sets H.T	No.	4	462.00	1848.00
13	Danger Board in yard.	No.	4	87.00	348.00
14	G.I.Wire 8 SWG/ 6 SWG	Kg.	25	72.00	1800.00
15	G.I.Barbed Wire 'A' type.	kg.	30	80.00	2400.00
16	Concreting ration 1:3:6	CMT.	4	4328.00	17312.00
17	Black Bituminus Paint	Ltr.	2	150.00	300.00
18	Red Oxide Paint for 2 coats	Ltr.	6	124.00	744.00
19	Aluminium Paint for 1 coat	Ltr.	4	260.00	1040.00
20	Sundries	L.S.	1	886.00	886.00
21	Wedge connectors				
a)	DOG TO DOG or equivalent AAAC	No	12	642.00	7704.00

Cost of material

191102.00

1	Erection cost on material	15.00%	28665
2	Contractor supervision charges on material	5.00%	9555
	Sub-Total		229322
3	Contractor's Profit	5.00%	11466
	Sub-Total		240789
4	Transportation on material	4.00%	7644
5	T&P on material cost	1.00%	1911
6	Contingencies on material	2.00%	3822
	Service Cost		533175
	Sub-Total		254166
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	508
	Sub-Total		254674
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour ccess)	0.25%	637
9	Insurance	1.00%	2547
10	Turnkey Charges	0.00%	0

Total

257857

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	362979	257854
Total Cost of the Estimate	362979	257854

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0810

Cost data for Road crossing with AAAC 100 sqmm conductor on 100 X 116mm,10 mtr RSJ Poles

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	RSJ 116x100, 10 m long	No.	4	13882.00	55528.00
2	M.S.Channel 75x40x6 mm	Kg.	60	70.00	4200.00
3	MS Channel 100x50x6 mm	Kg.	100	70.00	7000.00
4	MS angle 50x50x6 mm	kg.	22	70.00	1540.00
5	M.S.Flat 50 x 6 mm	kg.	24	65.00	1560.00
6	AAAC 100 mm2	m	100	70.00	7000.00
7	22 kV Pin Insulators with G.I. Pins	NO.	4	406.00	1624.00
8	Disc Insulator 11 KV 45 KN	NO.	24	295.00	7080.00
9	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	12	370.00	4440.00
10	H.T.Stay Set	No	4	807.00	3228.00
11	G.I.Stay Wire 7/4mm(8 SWG)	kg.	25	72.00	1800.00
12	Earthing Sets H.T	No.	4	462.00	1848.00
13	Danger Board in yard.	No.	4	87.00	348.00
14	G.I.Wire 8 SWG/ 6 SWG	Kg.	25	72.00	1800.00
15	G.I.Barbed Wire 'A' type.	kg.	30	80.00	2400.00
16	Concreting ration 1:3:6	CMT.	4	4328.00	17312.00
17	Black Bituminus Paint	Ltr.	2	150.00	300.00
18	Red Oxide Paint for 2 coats	Ltr.	6	124.00	744.00
19	Aluminium Paint for 1 coat	Ltr.	4	260.00	1040.00
20	Sundries	L.S.	1	886.00	886.00
21	Wedge connectors			0.00	0.00
a)	DOG TO DOG or equivalent AAAC	No	12	642.00	7704.00

Cost of material

129382.00

1	Erection cost on material	15.00%	19407
2	Contractor supervision charges on material	5.00%	6469
	Sub-Total		155258
3	Contractor's Profit	5.00%	7763
	Sub-Total		163021
4	Transportation on material	4.00%	5175
5	T&P on material cost	1.00%	1294
6	Contingencies on material	2.00%	2588
	Service Cost		360976
	Sub-Total		172078
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	344
	Sub-Total		172422
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	431
9	Insurance	1.00%	1724
10	Turnkey Charges	0.00%	0

Total

174577

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	245748	174575
Total Cost of the Estimate	245748	174575

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.0811

Cost Data for laying of 1 Km. 22 KV 3 C 95 mm 2 XLPE under ground Cable

Sr.No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount
1	XLPE Cable 22 KV, 3 C / 95 mm sq.	Rmt	1000.00	1165.00	1165000.00
2	R.C.C. Pipe 150 mm 2 M	No	30.00	629.00	18870.00
3	RCC Tiles (0.6 x 0.5) Mtrs.	No.	940.00	149.00	140060.00
4	22 KV st. through joints for 3 C / 95 mm sq.	No	2.00	12560.00	25120.00
5	22 KV Termination joint (OD) for 3 C / 95 mm sq.	No.	2.00	7676.00	15352.00
6	Sand	Cmt	250.00	280.00	70000.00
7	Misc. for XLPE U/G Cable	LS	1.00	1150.00	1150.00

Cost of material

1435552.00

1	Erection cost on material	15.00%	215333
2	Contractor supervision charges on material	5.00%	71778
	Sub-Total		1722662
3	Contractor's Profit	5.00%	86133
	Sub-Total		1808796
4	Transportation on material	4.00%	57422
5	T&P on material cost	1.00%	14356
6	Contingencies on material	2.00%	28711
	Service Cost		4005190
	Sub-Total		1909284
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	3819
	Sub-Total		1913103
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	4783
9	Insurance	1.00%	19131
10	Turnkey Charges	0.00%	0
	Total		1937017

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	2726687	1936990
Total Cost of the Estimate	2726687	1936990

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0813

Cost Data for laying of 1 Km. 22 KV 3 C 300 Sqmm XLPE under ground Cable

Sr.No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount
1	XLPE Cable 22 KV, 3 C / 300 mm sq.	Rmt	1000.00	1971.00	1971000.00
2	R.C.C. Pipe 150 mm 2 M	No	30.00	629.00	18870.00
3	Half round cement pipe (150mm X 1mtr)	No.	940.00	157.00	147580.00
4	22 kV Heat shrik Straight through joint (Al) kit for XLPE 3 C X 300 sqmm	No.	2.00	15584.00	31168.00
5	22 kV Heat shrik Outdoor termination joint (Al) kit for XLPE 3 C X 300 sqmm	No.	2.00	14264.00	28528.00
6	Sand	Cmt	250.00	280.00	70000.00
7	Misc. for XLPE U/G Cable	LS	1.00	1150.00	1150.00

Cost of material

2268296.00

1	Erection cost on material	15.00%	340244
2	Contractor supervision charges on material	5.00%	113415
	Sub-Total		2721955
3	Contractor's Profit	5.00%	136098
	Sub-Total		2858053
4	Transportation on material	4.00%	90732
5	T&P on material cost	1.00%	22683
6	Contingencies on material	2.00%	45366
	Service Cost		6328546
	Sub-Total		3016834
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	6034
	Sub-Total		3022867
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	7557
9	Insurance	1.00%	30229
10	Turnkey Charges	0.00%	0
	Total		3060653

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	4308401	3060612
Total Cost of the Estimate	4308401	3060612

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0814

22 kV 3 X 300 sqmm XLPE Underground Cable for Railway line crossing as per Sketch

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	RSJ 152x152, 13 m long	No.	4	29109.00	116436.00
2	M.S.Channel 75x40x6 mm	Kg.	60	70.00	4200.00
3	MS Channel 100x50x6 mm	Kg.	100	70.00	7000.00
4	MS angle 50x50x6 mm	kg.	22	70.00	1540.00
5	M.S.Flat 50 x 6 mm	kg.	24	65.00	1560.00
6	22KV A.B.Switch, 400 A	Set	2	18203.00	36406.00
7	22KV H.G.Fuses	Set	2	5628.00	11256.00
8	AAAC 100 mm2	Rmt	100	70.00	7000.00
9	XLPE Cable 22 KV, 3 C / 300 mm sq.	Rmt	160.00	1971.00	315360.00
10	R.C.C. Pipe 150 mm 2 M	No	60.00	629.00	37740.00
11	22 kV Heat shrik Outdoor termination joint (Al) kit for XLPE 3 C X 300 sqmm	No.	4.00	14264.00	57056.00
12	Sand	Cmt	500.00	280.00	140000.00
13	Black Bituminus Paint	Ltr.	2	150.00	300.00
14	Red Oxide Paint for 2 coats	Ltr.	6	124.00	744.00
15	Aluminium Paint for 1 coat	Ltr.	4	260.00	1040.00
16	Misc. for XLPE U/G Cable	LS	2.00	1150.00	2300.00

Cost of material

739938.00

1	Erection cost on material	15.00%	110991
2	Contractor supervision charges on material	5.00%	36997
	Sub-Total		887926
3	Contractor's Profit	5.00%	44396
	Sub-Total		932322
4	Transportation on material	4.00%	29598
5	T&P on material cost	1.00%	7399
6	Contingencies on material	2.00%	14799
	Service Cost		2064427
	Sub-Total		984118
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1968
	Sub-Total		986086
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	2465
9	Insurance	1.00%	9861
10	Turnkey Charges	0.00%	0

Total

998412

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1405438	998398
Total Cost of the Estimate	1405438	998398

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0815

Cost data for RIVER Crossing with 100sqmm conductor on 152 X 152 RSJ 13 mtr H Poles

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	RSJ 152x152, 13 m long	No.	4	29109.00	116436.00
2	M.S.Channel 75x40x6 mm	Kg.	60	70.00	4200.00
3	MS Channel 100x50x6 mm	Kg.	100	70.00	7000.00
4	MS angle 50x50x6 mm	kg.	22	70.00	1540.00
5	M.S.Flat 50 x 6 mm	kg.	24	65.00	1560.00
6	AAAC 100 mm2	m	100	70.00	7000.00
7	22 kV Pin Insulators with G.I. Pins	NO.	6	406.00	2436.00
8	Disc Insulator 11 KV 45 KN	NO.	24	295.00	7080.00
9	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	12	370.00	4440.00
10	H.T.Stay Set	No	4	807.00	3228.00
11	G.I.Stay Wire 7/4mm(8 SWG)	kg.	25	72.00	1800.00
12	Earthing Sets H.T	No.	4	462.00	1848.00
13	Danger Board in yard.	No.	4	87.00	348.00
14	G.I.Wire 8 SWG/ 6 SWG	Kg.	25	72.00	1800.00
15	G.I.Barbed Wire 'A' type.	kg.	30	80.00	2400.00
16	Concreting ration 1:3:6	CMT.	4	4328.00	17312.00
17	Black Bituminus Paint	Ltr.	2	150.00	300.00
18	Red Oxide Paint for 2 coats	Ltr.	6	124.00	744.00
19	Aluminium Paint for 1 coat	Ltr.	4	260.00	1040.00
20	Sundries	L.S.	1	886.00	886.00
21	Wedge connectors				
a)	DOG TO DOG or equivalent AAAC	No	12	642.00	7704.00

Cost of material

191102.00

1	Erection cost on material	15.00%	28665
2	Contractor supervision charges on material	5.00%	9555
	Sub-Total		229322
3	Contractor's Profit	5.00%	11466
	Sub-Total		240789
4	Transportation on material	4.00%	7644
5	T&P on material cost	1.00%	1911
6	Contingencies on material	2.00%	3822
	Service Cost		533175
	Sub-Total		254166
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	508
	Sub-Total		254674
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	637
9	Insurance	1.00%	2547
10	Turnkey Charges	0.00%	0

Total

257857

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	362979	257854
Total Cost of the Estimate	362979	257854

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0816

COST DATA FOR DOUPLE POLE STRUCTURE(cut point) OF- 22 KV LINE USING13 M LONG RSJ POLE

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	RSJ 152x152, 13 m long	No.	2	29109.00	58218.00
2	M.S. Flats(50 X 10mm)	Kg.	10	65.00	650.00
3	MS Channel 100x50x6 mm	Kg.	100	70.00	7000.00
4	M.S.Channel 75x40x6 mm	Kg.	60	70.00	4200.00
5	MS angle 50x50x6 mm	Kg.	50	70.00	3500.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	6	370.00	2220.00
7	Disc Insulator 11 KV 70 KN	No.	12	326.00	3912.00
8	H.T.Stay Set	No.	2	807.00	1614.00
9	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	25	72.00	1800.00
10	Earthing Sets H.T	No	2	462.00	924.00
11	G.I.Wire 8 SWG/ 6 SWG	kg.	6	72.00	432.00
12	G.I.Barbed Wire 'A' type.	kg.	7	80.00	560.00
13	Danger Board in yard.	No.	2	87.00	174.00
14	Black Bituminus Paint	Ltr.	1	150.00	150.00
15	Red Oxide Paint for 2 coats	Ltr.	3	124.00	372.00
16	Aluminium Paint for 1 coat	Ltr.	2	260.00	520.00
17	Concreting ration 1:3:6	Cmt.	2	4328.00	8656.00
18	Sundries	L.S.	1	886.00	886.00
Cost of material					95788.00

1	Erection cost on material	15.00%	14368
2	Contractor supervision charges on material	5.00%	4789
	Sub-Total		114946
3	Contractor's Profit	5.00%	5747
	Sub-Total		120693
4	Transportation on material	4.00%	3832
5	T&P on material cost	1.00%	958
6	Contigencies on material	2.00%	1916
	Service Cost		267249
	Sub-Total		127398
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	255
	Sub-Total		127653
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	319
9	Insurance	1.00%	1277
10	Turnkey Charges	0.00%	0

Total

129248

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	181940	129247
Total Cost of the Estimate	181940	129247

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0817

COST DATA FOR DOUPLE POLE STRUCTURE(cut point) OF- 22 KV LINE USING11 M LONG RSJ POLE

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	RSJ 152x152, 11 m long	No.	2	24631.00	49262.00
2	M.S. Flats(50 X 10mm)	Kg.	10	65.00	650.00
3	MS Channel 100x50x6 mm	Kg.	100	70.00	7000.00
4	M.S.Channel 75x40x6 mm	Kg.	60	70.00	4200.00
5	MS angle 50x50x6 mm	Kg.	50	70.00	3500.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	6	370.00	2220.00
7	Disc Insulator 11 KV 70 KN	No.	12	326.00	3912.00
8	H.T.Stay Set	No.	2	807.00	1614.00
9	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	25	72.00	1800.00
10	Earthing Sets H.T	No	2	462.00	924.00
11	G.I.Wire 8 SWG/ 6 SWG	kg.	6	72.00	432.00
12	G.I.Barbed Wire 'A' type.	kg.	7	80.00	560.00
13	Danger Board in yard.	No.	2	87.00	174.00
14	Black Bituminus Paint	Ltr.	1	150.00	150.00
15	Red Oxide Paint for 2 coats	Ltr.	3	124.00	372.00
16	Aluminium Paint for 1 coat	Ltr.	2	260.00	520.00
17	Concreting ration 1:3:6	Cmt.	2	4328.00	8656.00
18	Sundries	L.S.	1	886.00	886.00
Cost of material					86832.00

1	Erection cost on material	15.00%	13025
2	Contractor supervision charges on material	5.00%	4342
	Sub-Total		104198
3	Contractor's Profit	5.00%	5210
	Sub-Total		109408
4	Transportation on material	4.00%	3473
5	T&P on material cost	1.00%	868
6	Contigencies on material	2.00%	1737
	Service Cost		242261
	Sub-Total		115487
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	231
	Sub-Total		115718
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour ccess)	0.25%	289
9	Insurance	1.00%	1157
10	Turnkey Charges	0.00%	0
	Total		117164

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	164929	117162
Total Cost of the Estimate	164929	117162

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0818

COST DATA FOR DOUPLE POLE STRUCTURE(cut point) OF- 22 KV LINE USING11 M LONG RSJ POLE

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	RSJ 116x100, 11 m long	No.	2	15270.00	30540.00
2	M.S. Flats(50 X 10mm)	Kg.	10	65.00	650.00
3	MS Channel 100x50x6 mm	Kg.	100	70.00	7000.00
4	M.S.Channel 75x40x6 mm	Kg.	60	70.00	4200.00
5	MS angle 50x50x6 mm	Kg.	50	70.00	3500.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	6	370.00	2220.00
7	Disc Insulator 11 KV 70 KN	No.	12	326.00	3912.00
8	H.T.Stay Set	No.	2	807.00	1614.00
9	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	25	72.00	1800.00
10	Earthing Sets H.T	No	2	462.00	924.00
11	G.I.Wire 8 SWG/ 6 SWG	kg.	6	72.00	432.00
12	G.I.Barbed Wire 'A' type.	kg.	7	80.00	560.00
13	Danger Board in yard.	No.	2	87.00	174.00
14	Black Bituminus Paint	Ltr.	1	150.00	150.00
15	Red Oxide Paint for 2 coats	Ltr.	3	124.00	372.00
16	Aluminium Paint for 1 coat	Ltr.	2	260.00	520.00
17	Concreting ration 1:3:6	Cmt.	2	4328.00	8656.00
18	Sundries	L.S.	1	886.00	886.00
Cost of material					68110.00

1	Erection cost on material	15.00%	10217
2	Contractor supervision charges on material	5.00%	3406
	Sub-Total		81732
3	Contractor's Profit	5.00%	4087
	Sub-Total		85819
4	Transportation on material	4.00%	2724
5	T&P on material cost	1.00%	681
6	Contigencies on material	2.00%	1362
	Service Cost		190027
	Sub-Total		90586
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	181
	Sub-Total		90767
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	227
9	Insurance	1.00%	908
10	Turnkey Charges	0.00%	0
	Total		91902

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	129368	91901
Total Cost of the Estimate	129368	91901

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0819

COST DATA FOR SINGLE POLE CUT POINT STRUCTURE FOR 22KV LINE ON RSJ 9 M POLE

S.N.	Description of material	Unit	Qty.	RT/U.Rs.	Amt Rs.
1	RSJ 116x100, 9 m long	No.	1	12493.00	12493.00
2	MS angle 50x50x6 mm	Kg.	50	70.00	3500.00
3	MS Channel 100x50x6 mm	Kg.	35	70.00	2450.00
4	M.S.Channel 75x40x6 mm	Kg.	25	70.00	1750.00
5	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	6	370.00	2220.00
6	Disc Insulator 11 KV 70 KN	No.	12	326.00	3912.00
7	H.T.Stay Set	No.	1	807.00	807.00
8	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	13	72.00	936.00
9	Earthing Sets H.T	No.	1	462.00	462.00
10	G.I.Wire 8 SWG/ 6 SWG	Kg.	2	72.00	144.00
11	G.I.Barbed Wire 'A' type.	Kg.	2	80.00	160.00
12	Danger Board in yard.	No.	1	87.00	87.00
13	Concreting ration 1:3:6	Cmt.	1.5	4328.00	6492.00
14	Black Bituminus Paint	Ltr.	0.5	150.00	75.00
15	Red Oxide Paint for 2 coats	Ltr.	1.5	124.00	186.00
16	Aluminium Paint for 1 coat	Ltr.	1	260.00	260.00
17	Sundries	LS	1	886.00	886.00
Cost of material					36820.00

1	Erection cost on material	15.00%	5523
2	Contractor supervision charges on material	5.00%	1841
	Sub-Total		44184
3	Contractor's Profit	5.00%	2209
	Sub-Total		46393
4	Transportation on material	4.00%	1473
5	T&P on material cost	1.00%	368
6	Contingencies on material	2.00%	736
	Service Cost		102728
	Sub-Total		48971
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	98
	Sub-Total		49069
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	123
9	Insurance	1.00%	491
10	Turnkey Charges	0.00%	0

Total

49682

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	69936	49681
Total Cost of the Estimate	69936	49681

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0820

COST DATA FOR SINGLE POLE CUT POINT STRUCTURE FOR 22KV LINE ON RSJ 11 M POLE

S.N.	Description of material	Unit	Qty.	RT/U.Rs.	Amt Rs.
1	RSJ 152x152, 11 m long	No.	1	24631.00	24631.00
2	MS angle 50x50x6 mm	Kg.	50	70.00	3500.00
3	MS Channel 100x50x6 mm	Kg.	35	70.00	2450.00
4	M.S.Channel 75x40x6 mm	Kg.	25	70.00	1750.00
5	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	6	370.00	2220.00
6	Disc Insulator 11 KV 70 KN	No.	12	326.00	3912.00
7	H.T.Stay Set	No.	1	807.00	807.00
8	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	13	72.00	936.00
9	Earthing Sets H.T	No.	1	462.00	462.00
10	G.I.Wire 8 SWG/ 6 SWG	Kg.	2	72.00	144.00
11	G.I.Barbed Wire 'A' type.	Kg.	2	80.00	160.00
12	Danger Board in yard.	No.	1	87.00	87.00
13	Concreting ration 1:3:6	Cmt.	1.5	4328.00	6492.00
14	Black Bituminus Paint	Ltr.	0.5	150.00	75.00
15	Red Oxide Paint for 2 coats	Ltr.	1.5	124.00	186.00
16	Aluminium Paint for 1 coat	Ltr.	1	260.00	260.00
17	Sundries	LS	1	886.00	886.00
Cost of material					48958.00

1	Erection cost on material	15.00%	7344
2	Contractor supervision charges on material	5.00%	2448
	Sub-Total		58750
3	Contractor's Profit	5.00%	2937
	Sub-Total		61687
4	Transportation on material	4.00%	1958
5	T&P on material cost	1.00%	490
6	Contingencies on material	2.00%	979
	Service Cost		136593
	Sub-Total		65114
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	130
	Sub-Total		65244
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	163
9	Insurance	1.00%	652
10	Turnkey Charges	0.00%	0

Total

66060

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	92991	66059
Total Cost of the Estimate	92991	66059

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item code No. 0821

COST DATA FOR SINGLE POLE CUT POINT STRUCTURE FOR 22KV LINE ON PSC 9 M POLE

S.N.	Description of material	Unit	Qty.	RT/U.Rs.	Amt Rs.
1	PSC Pole 9 Mtr (200 KG)	No.	1	2983.00	2983.00
2	MS angle 50x50x6 mm	Kg.	50	70.00	3500.00
3	MS Channel 100x50x6 mm	Kg.	35	70.00	2450.00
4	M.S.Channel 75x40x6 mm	Kg.	25	70.00	1750.00
5	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	6	370.00	2220.00
6	Disc Insulator 11 KV 70 KN	No.	12	326.00	3912.00
7	H.T.Stay Set	No.	1	807.00	807.00
8	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	13	72.00	936.00
9	Earthing Sets H.T	No.	1	462.00	462.00
10	G.I.Wire 8 SWG/ 6 SWG	Kg.	2	72.00	144.00
11	G.I.Barbed Wire 'A' type.	Kg.	2	80.00	160.00
12	Danger Board in yard.	No.	1	87.00	87.00
13	Concreting ration 1:3:6	Cmt.	1.5	4328.00	6492.00
14	Black Bituminus Paint	Ltr.	0.5	150.00	75.00
15	Red Oxide Paint for 2 coats	Ltr.	1.5	124.00	186.00
16	Aluminium Paint for 1 coat	Ltr.	1	260.00	260.00
17	Sundries	LS	1	886.00	886.00

Cost of material

27310.00

1	Erection cost on material	15.00%	4097
2	Contractor supervision charges on material	5.00%	1366
	Sub-Total		32772
3	Contractor's Profit	5.00%	1639
	Sub-Total		34411
4	Transportation on material	4.00%	1092
5	T&P on material cost	1.00%	273
6	Contingencies on material	2.00%	546
	Service Cost		76195
	Sub-Total		36322
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	73
	Sub-Total		36395
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	91
9	Insurance	1.00%	364
10	Turnkey Charges	0.00%	0

Total

36850

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	51873	36849
Total Cost of the Estimate	51873	36849

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0822

Cost data for 22 KV Single circuit suspension type with 232sq.mm AAAC lines on 152x152 mm 13 mtr RSJ poles

(A) HT Line :

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	RSJ 152x152, 13 m long	No.	17	29109.00	494853.00
2	RSJ 116x100, 11 m long	No.	2	15270.00	30540.00
3	G.I.Channel 100x50x6mm	Kg.	607	95.00	57665.00
4	G.I.Channel 75x40x6mm	Kg.	122	95.00	11590.00
5	G.I.Angle 50x50x6mm	Kg.	248	95.00	23560.00
6	G.I Flat 50x10 mm	Kg.	107	90.00	9630.00
7	G.I.Nut Bolts	Kg.	90	112.00	10080.00
8	22 kV Pin Insulators with G.I. Pins	No.	3	406.00	1218.00
9	Disc Insulator 11 KV 45 KN	No.	126	295.00	37170.00
10	Suspension Hardware for 0.2 ACSR or equivalent AAAC	No.	39.00	429.00	16731.00
11	Strain Hardware for AAAC232 sq.mm.	No.	24.00	693.00	16632.00
12	AAAC 232 mm2	Rmt	3100	162.00	502200.00
13	Joining Sleeves for Conductor.	No.	3	50.00	150.00
14	H.T.Stay Set	Set	11	807.00	8877.00
15	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	80	72.00	5760.00
16	Earthing Sets H.T	Set	18	462.00	8316.00
17	G.I.Barbed Wire 'A' type.	Kg.	77	80.00	6160.00
18	Danger Board in yard.	No.	18	87.00	1566.00
19	Concreting ration 1:3:6	Cmt.	20	4328.00	86560.00
20	G.I.Wire 8 SWG/ 6 SWG	Kg.	130	72.00	9360.00
21	Black Bituminus Paint	Ltr.	7	150.00	1050.00
22	Red Oxide Paint for 2 coats	Ltr.	23	124.00	2852.00
23	Aluminium Paint for 1 coat	Ltr.	12	260.00	3120.00
24	Sundries	LS	1	886.00	886.00
25	Wedge connectors				
	PANTHER TO PANTHER or equivalent AAAC	No	24	826.00	19824.00

Cost of material

1346526.00

1	Erection cost on material	15.00%	201979
2	Contractor supervision charges on material	5.00%	67326
	Sub-Total		1615831
3	Contractor's Profit	5.00%	80792
	Sub-Total		1696623
4	Transportation on material	4.00%	53861
5	T&P on material cost	1.00%	13465
6	Contingencies on material	2.00%	26931
	Service Cost		3756808
	Sub-Total		1790880
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	3582
	Sub-Total		1794461
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	4486
9	Insurance	1.00%	17945
10	Turnkey Charges	0.00%	0

Total

1816892

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	2557591	1816868
Total Cost of the Estimate	2557591	1816868

Assumption:

- 1) 4- cut points (including 1- rightangle cut point in 1 km.)
- 2) Average span lengthe - 60 mtrs.
- 3) Concering for all poles, struts & stages. (1:4:8)
- 4) 5 strut support considered.

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0823

Single Circuit Pin type with 232sq.mm AAAC lines on 152x152 mm 13 mtr RSJ poles

(A) HT Line :

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	RSJ 152x152, 13 m long	No.	17	29109.00	494853.00
2	RSJ 152x152, 12 m long	No.	2	26869.00	53738.00
3	MS Channel 100x50x6 mm	Kg.	177	70.00	12390.00
4	M.S.Channel 75x40x6 mm	Kg.	122	70.00	8540.00
5	22 KV V cross arm with clamp	No.	13	1223.00	15899.00
6	22 KV Top Fitting	No.	13	516.00	6708.00
7	MS angle 50x50x6 mm	Kg.	72	70.00	5040.00
8	M.S. Flats(50 X 10mm)	Kg.	37	65.00	2405.00
9	G.I.Nut Bolts	Kg.	90	112.00	10080.00
10	22 kV Pin Insulators with G.I. Pins	No.	39	406.00	15834.00
11	Disc Insulator 11 KV 45 KN	No.	48	295.00	14160.00
12	Strain Hardware for AAAC232 sq.mm.	Set	24	693.00	16632.00
13	AAAC 232 mm2	Rmt	3150	162.00	510300.00
14	Sleve Joints	No.	3	145.00	435.00
15	H.T.Stay Set	Set	8	807.00	6456.00
16	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	80	72.00	5760.00
17	Earthing Sets H.T	Set	17	462.00	7854.00
18	G.I.Barbed Wire 'A' type.	Kg.	77	80.00	6160.00
19	Danger Board in yard.	No.	17	87.00	1479.00
20	Concreting ration 1:3:6	Cmt.	20	4328.00	86560.00
21	G.I.Wire 8 SWG/ 6 SWG	Kg.	130	72.00	9360.00
22	Black Bituminus Paint	Ltr.	6	150.00	900.00
23	Red Oxide Paint for 2 coats	Ltr.	20	124.00	2480.00
24	Aluminium Paint for 1 coat	Ltr.	9	260.00	2340.00
25	Sundries	LS	1	886.00	886.00
26	Wedge connectors				
a)	PANTHER TO PANTHER or equivalent AAAC	No	24	826.00	19824.00

Cost of material

1317073.00

1	Erection cost on material	15.00%	197561
2	Contractor supervision charges on material	5.00%	65854
	Sub-Total		1580488
3	Contractor's Profit	5.00%	79024
	Sub-Total		1659512
4	Transportation on material	4.00%	52683
5	T&P on material cost	1.00%	13171
6	Contingencies on material	2.00%	26341
	Service Cost		3674634
	Sub-Total		1751707
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	3503
	Sub-Total		1755211
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	4388
9	Insurance	1.00%	17552
10	Turnkey Charges	0.00%	0

Total

1777151

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	2501648	1777127
Total Cost of the Estimate	2501648	1777127

Assumption:

- 1) 4- cut points (including 1- rightangle cut point in 1 km.)
- 2) Average span lengthe - 60 mtrs.
- 3) Conceriting for all poles, struts & stages. (1:4:8)
- 4) 5 strut support considered.

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0824

Single Circuit Express/Highway Crossing with AAAC 232 sqmm conductor on Double 152 X 152 RSJ 13 mtr Poles

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	RSJ 152x152, 13 m long	No.	4	29109.00	116436.00
2	M.S.Channel 75x40x6 mm	Kg.	60	70.00	4200.00
3	MS Channel 100x50x6 mm	Kg.	100	70.00	7000.00
4	MS angle 50x50x6 mm	kg.	22	70.00	1540.00
5	M.S.Flat 50 x 6 mm	kg.	24	65.00	1560.00
6	AAAC 232 mm2	m	100	162.00	16200.00
7	22 kV Pin Insulators with G.I. Pins	NO.	6	406.00	2436.00
8	Disc Insulator 11 KV 45 KN	NO.	24	295.00	7080.00
9	Strain Hardware for AAAC232 sq.mm.	No.	12	693.00	8316.00
10	H.T.Stay Set	No	4	807.00	3228.00
11	G.I.Stay Wire 7/4mm(8 SWG)	kg.	25	72.00	1800.00
12	Earthing Sets H.T	No.	4	462.00	1848.00
13	Danger Board in yard.	No.	4	87.00	348.00
14	G.I.Wire 8 SWG/ 6 SWG	Kg.	25	72.00	1800.00
15	G.I.Barbed Wire 'A' type.	kg.	30	80.00	2400.00
16	Concreting ration 1:3:6	CMT.	4	4328.00	17312.00
17	Black Bituminus Paint	Ltr.	2	150.00	300.00
18	Red Oxide Paint for 2 coats	Ltr.	6	124.00	744.00
19	Aluminium Paint for 1 coat	Ltr.	4	260.00	1040.00
20	Sundries	L.S.	1	886.00	886.00
21	Wedge connectors				
a)	PANTHER TO PANTHER or equivalent AAAC	No	12	826.00	9912.00

Cost of material

206386.00

1	Erection cost on material	15.00%	30958
2	Contractor supervision charges on material	5.00%	10319
	Sub-Total		247663
3	Contractor's Profit	5.00%	12383
	Sub-Total		260046
4	Transportation on material	4.00%	8255
5	T&P on material cost	1.00%	2064
6	Contingencies on material	2.00%	4128
	Service Cost		575817
	Sub-Total		274493
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	549
	Sub-Total		275042
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	688
9	Insurance	1.00%	2750
10	Turnkey Charges	0.00%	0

Total

278480

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	392010	278477
Total Cost of the Estimate	392010	278477

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0825

Road crossing with AAAC 232 sqmm conductor on 152 X 152mm,13 mtr RSJ Poles

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	RSJ 152x152, 13 m long	No.	4	29109.00	116436.00
2	M.S.Channel 75x40x6 mm	Kg.	60	70.00	4200.00
3	MS Channel 100x50x6 mm	Kg.	100	70.00	7000.00
4	MS angle 50x50x6 mm	kg.	22	70.00	1540.00
5	M.S.Flat 50 x 6 mm	kg.	24	65.00	1560.00
6	AAAC 232 mm2	m	100	162.00	16200.00
7	22 kV Pin Insulators with G.I. Pins	NO.	4	406.00	1624.00
8	Disc Insulator 11 KV 45 KN	NO.	24	295.00	7080.00
9	Strain Hardware for AAAC232 sq.mm.	No.	12	693.00	8316.00
10	H.T.Stay Set	No	4	807.00	3228.00
11	G.I.Stay Wire 7/4mm(8 SWG)	kg.	25	72.00	1800.00
12	Earthing Sets H.T	No.	4	462.00	1848.00
13	Danger Board in yard.	No.	4	87.00	348.00
14	G.I.Wire 8 SWG/ 6 SWG	Kg.	25	72.00	1800.00
15	G.I.Barbed Wire 'A' type.	kg.	30	80.00	2400.00
16	Concreting ration 1:3:6	CMT.	4	4328.00	17312.00
17	Black Bituminus Paint	Ltr.	2	150.00	300.00
18	Red Oxide Paint for 2 coats	Ltr.	6	124.00	744.00
19	Aluminium Paint for 1 coat	Ltr.	4	260.00	1040.00
20	Sundries	L.S.	1	886.00	886.00
21	Wedge connectors			0.00	0.00
a)	PANTHER TO PANTHER or equivalent AAAC	No	12	826.00	9912.00

Cost of material

205574.00

1	Erection cost on material	15.00%	30836
2	Contractor supervision charges on material	5.00%	10279
	Sub-Total		246689
3	Contractor's Profit	5.00%	12334
	Sub-Total		259023
4	Transportation on material	4.00%	8223
5	T&P on material cost	1.00%	2056
6	Contingencies on material	2.00%	4111
	Service Cost		573551
	Sub-Total		273413
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	547
	Sub-Total		273960
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	685
9	Insurance	1.00%	2740
10	Turnkey Charges	0.00%	0

Total

277385

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	390467	277381
Total Cost of the Estimate	390467	277381

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0826

Cost Data for Supply, Erection, Testing & Commissioning of HT Pillar

Sr.No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount
1	HT Pillar 22 KV	No.	1.00	95420.00	95420.00
	Cost of material				95420.00
1	Erection cost on material		15.00%		14313
2	Contractor supervision charges on material		5.00%		4771
	Sub-Total				114504
3	Contractor's Profit		5.00%		5725
	Sub-Total				120229
4	Transportation on material		4.00%		3817
5	T&P on material cost		1.00%		954
6	Contingencies on material		2.00%		1908
	Service Cost				266222
	Sub-Total				126909
7	BG Charges on 10% of the LOA amount (on Material+centage		0.20%		254
	Sub-Total				127162
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)		0.25%		318
9	Insurance		1.00%		1272
10	Turnkey Charges		0.00%		0
	Total				128752
9	HT Pillar Foundation		1.00	17953.00	17953
	Total Cost of Estimate				146705

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	181241	128750
HT Pillar Foundation	22826	17953
Total Cost of the Estimate	204066	146703

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0827

Cost Data for Supply, Erection, Testing & Commissioning of HT Cable Joint Chamber

Sr.No.	Particulars	Unit	Qty	Rate (Rs.)	Amount
1	HT Cable Joint Chamber (Civil)	No.	1.00	1643.00	1643.00
Cost of material					1643.00
1	Erection cost on material		15.00%		246
2	Contractor supervision charges on material		5.00%		82
Sub-Total					1972
3	Contractor's Profit		5.00%		99
Sub-Total					2070
4	Transportation on material		4.00%		66
5	T&P on material cost		1.00%		16
6	Contingencies on material		2.00%		33
Service Cost					4584
Sub-Total					2185
7	BG Charges on 10% of the LOA amount (on Material+centage		0.20%		4
Sub-Total					2190
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)		0.25%		5
9	Insurance		1.00%		22
10	Turnkey Charges		0.00%		0
Total					2217

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	3121	2217
Total Cost of the Estimate	3121	2217

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.830

Pin type, 22 KV, AAAC 55 mm². conductor on 116 X 100 mm,9 mtr long RSJ Poles

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	RSJ 116x100, 9 m long	No.	15	12493.00	187395.00
2	RSJ 116x100, 8 m long	No.	2	11105.00	22210.00
3	MS Channel 100x50x6 mm	Kg.	177	70.00	12390.00
4	M.S.Channel 75x40x6 mm	Kg.	122	70.00	8540.00
5	MS angle 50x50x6 mm	Kg.	72	70.00	5040.00
6	22 KV V cross arm with clamp	No.	11	1223.00	13453.00
7	22 KV Top Fitting	No.	11	516.00	5676.00
8	M.S. Flats(50 X 10mm)	Kg.	34	65.00	2210.00
9	G.I.Nut Bolts	Kg.	80	112.00	8960.00
10	22 kV Pin Insulators with G.I. Pins	No.	33	406.00	13398.00
11	Disc Insulator 11 KV 45 KN	No.	48	295.00	14160.00
12	Strain Hardware forWeasel/Squirrel	Set	24	225.00	5400.00
13	AAAC 55 mm ²	Rmt	3150	36.00	113400.00
14	H.T.Stay Set	Set	8	807.00	6456.00
15	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	80	72.00	5760.00
16	Earthing Sets H.T	Set	15	462.00	6930.00
17	G.I.Barbed Wire 'A' type.	Kg.	66	80.00	5280.00
18	Danger Board in yard.	No.	15	87.00	1305.00
19	Black Bituminus Paint	Ltr.	6	150.00	900.00
20	Red Oxide Paint for 2 coats	Ltr.	20	124.00	2480.00
21	Aluminium Paint for 1 coat	Ltr.	9	260.00	2340.00
22	Concreting ration 1:3:6	Cmt.	17.5	4328.00	75740.00
23	G.I.Wire 8 SWG/ 6 SWG	Kg.	130	72.00	9360.00
24	Sundries	LS	1	886.00	886.00
25	Wedge connectors				
a)	RABIT To RABIT or equivalent AAAC	No	24	131.00	3144.00

Cost of material

532813.00

1	Erection cost on material	15.00%	79922
2	Contractor supervision charges on material	5.00%	26641
	Sub-Total		639376
3	Contractor's Profit	5.00%	31969
	Sub-Total		671344
4	Transportation on material	4.00%	21313
5	T&P on material cost	1.00%	5328
6	Contingencies on material	2.00%	10656
	Service Cost		1486548
	Sub-Total		708641
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1417
	Sub-Total		710059
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1775
9	Insurance	1.00%	7101
10	Turnkey Charges	0.00%	0
	Total		718934

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1012025	718925
Total Cost of the Estimate	1012025	718925

Assumption:

- 1) 4- cut points (including 1- rightangle cut point in 1 km.)
- 2) 2- line deviations upto 60*
- 3) 2 Strut support
- 4) 5 Spans carpet guarding.
- 5) Average span lengthe - 70 mtrs.
- 6) Conceriting for all poles, struts & stages. (1:4:8)

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.831

Pin type, 22 KV, AAAC 55 mm². conductor on 116 X 100 mm,11 mtr long RSJ Poles

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	RSJ 116x100, 11 m long	No.	15	15270.00	229050.00
2	RSJ 116x100, 10 m long	No.	2	13882.00	27764.00
3	MS Channel 100x50x6 mm	Kg.	177	70.00	12390.00
4	M.S.Channel 75x40x6 mm	Kg.	122	70.00	8540.00
5	MS angle 50x50x6 mm	Kg.	72	70.00	5040.00
6	M.S. Flats(50 X 10mm)	Kg.	34	65.00	2210.00
7	22 KV V cross arm with clamp	No.	11	1223.00	13453.00
8	22 KV Top Fitting	No.	11	516.00	5676.00
9	G.I.Nut Bolts	Kg.	80	112.00	8960.00
10	22 kV Pin Insulators with G.I. Pins	No.	33	406.00	13398.00
11	Disc Insulator 11 KV 45 KN	No.	48	295.00	14160.00
12	Strain Hardware forWeasel/Squirrel	Set	24	225.00	5400.00
13	AAAC 55 mm ²	Rmt	3150	36.00	113400.00
14	H.T.Stay Set	Set	8	807.00	6456.00
15	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	80	72.00	5760.00
16	Earthing Sets H.T	Set	15	462.00	6930.00
17	G.I.Barbed Wire 'A' type.	Kg.	66	80.00	5280.00
18	Danger Board in yard.	No.	15	87.00	1305.00
19	Black Bituminus Paint	Ltr.	6	150.00	900.00
20	Red Oxide Paint for 2 coats	Ltr.	20	124.00	2480.00
21	Aluminium Paint for 1 coat	Ltr.	9	260.00	2340.00
22	Concreting ration 1:3:6	Cmt.	17.5	4328.00	75740.00
23	G.I.Wire 8 SWG/ 6 SWG	Kg.	130	72.00	9360.00
24	Sundries	LS	1	886.00	886.00
25	Wedge connectors				
a)	RABIT To RABIT or equivalent AAAC	No	24	131.00	3144.00

Cost of material

580022.00

1	Erection cost on material	15.00%	87003
2	Contractor supervision charges on material	5.00%	29001
	Sub-Total		696026
3	Contractor's Profit	5.00%	34801
	Sub-Total		730828
4	Transportation on material	4.00%	23201
5	T&P on material cost	1.00%	5800
6	Contigencies on material	2.00%	11600
	Service Cost		1618261
	Sub-Total		771429
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1543
	Sub-Total		772972
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1932
9	Insurance	1.00%	7730
10	Turnkey Charges	0.00%	0

Total

782634

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1101694	782624
Total Cost of the Estimate	1101694	782624

Assumption:

- 1) 4- cut points (including 1- rightangle cut point in 1 km.)
- 2) 2- line deviations upto 60*
- 3) 2 Strut support
- 4) 5 Spans carpet guarding.
- 5) Average span lengthe - 70 mtrs.
- 6) Conceriting for all poles, struts & stages. (1:4:8)

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.832

Pin type, 22 KV, ACSR Weasel conductor on 116 X 100 mm,9 mtr long RSJ Poles

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	RSJ 116x100, 9 m long	No.	15	12493.00	187395.00
2	RSJ 116x100, 8 m long	No.	2	11105.00	22210.00
3	MS Channel 100x50x6 mm	Kg.	177	70.00	12390.00
4	M.S.Channel 75x40x6 mm	Kg.	122	70.00	8540.00
5	MS angle 50x50x6 mm	Kg.	72	70.00	5040.00
6	M.S. Flats(50 X 10mm)	Kg.	34	65.00	2210.00
7	22 KV V cross arm with clamp	No.	11	1223.00	13453.00
8	22 KV Top Fitting	No.	11	516.00	5676.00
9	G.I.Nut Bolts	Kg.	80	112.00	8960.00
10	22 kV Pin Insulators with G.I. Pins	No.	33	406.00	13398.00
11	Disc Insulator 11 KV 45 KN	No.	48	295.00	14160.00
12	Strain Hardware forWeasel/Squirrel	Set	24	225.00	5400.00
13	ACSR Weasel	Rmt	3150	24.00	75600.00
14	H.T.Stay Set	Set	8	807.00	6456.00
15	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	80	72.00	5760.00
16	Earthing Sets H.T	Set	15	462.00	6930.00
17	G.I.Barbed Wire 'A' type.	Kg.	66	80.00	5280.00
18	Danger Board in yard.	No.	15	87.00	1305.00
19	Black Bituminous Paint	Ltr.	6	150.00	900.00
20	Red Oxide Paint for 2 coats	Ltr.	20	124.00	2480.00
21	Aluminium Paint for 1 coat	Ltr.	9	260.00	2340.00
22	Concreting ration 1:3:6	Cmt.	17.5	4328.00	75740.00
23	G.I.Wire 8 SWG/ 6 SWG	Kg.	130	72.00	9360.00
24	Sundries	LS	1	886.00	886.00
25	Wedge connectors				
a)	WEASEL TO WEASEL or equivalent AAAC	No	24	131.00	3144.00

Cost of material

495013.00

1	Erection cost on material	15.00%	74252
2	Contractor supervision charges on material	5.00%	24751
	Sub-Total		594016
3	Contractor's Profit	5.00%	29701
	Sub-Total		623716
4	Transportation on material	4.00%	19801
5	T&P on material cost	1.00%	4950
6	Contigencies on material	2.00%	9900
	Service Cost		1381086
	Sub-Total		658367
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1317
	Sub-Total		659684
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1649
9	Insurance	1.00%	6597
10	Turnkey Charges	0.00%	0

Total

667930

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	940228	667921
Total Cost of the Estimate	940228	667921

Assumption:

- 1) 4- cut points (including 1- rightangle cut point in 1 km.)
- 2) 2- line deviations upto 60°
- 3) 2 Strut support
- 4) 5 Spans carpet guarding.
- 5) Average span lengthe - 70 mtrs.
- 6) Conceriting for all poles, struts & stages. (1:4:8)

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

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	2983.00	53694.00
2	M.S. Flats(50 X 10mm)	Kg.	39	65.00	2535.00
3	11 KV V cross arm with clamp	No.	12	863.00	10356.00
4	11 KV Top fitting with clamp	No.	12	123.00	1476.00
5	M.S.Channel 75x40x6 mm	Kg.	122	70.00	8540.00
6	11 kv guarding channel MS 75x40	Kg.	104	70.00	7280.00
7	Disc Insulator 11 KV 70 KN	No.	24	326.00	7824.00
8	11 kv Pin Insulators with G.I. Pins	No.	42	120.00	5040.00
9	ACSR Weasel	Rmt	3150	24.00	75600.00
10	Strain Hardware forWeasel/Squirrel	Set	24	225.00	5400.00
11	Sieve Joints	No.	3	145.00	435.00
12	H.T.Stay Set	No.	8	807.00	6456.00
13	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	80	72.00	5760.00
14	Earthing Sets H.T	No	18	462.00	8316.00
15	G.I.Barbed Wire 'A' type.	Kg.	30	80.00	2400.00
16	Danger Board in yard.	No.	18	87.00	1566.00
17	Black Bituminus Paint	Ltr.	6	150.00	900.00
18	Red Oxide Paint for 2 coats	Ltr.	20	124.00	2480.00
19	Aluminium Paint for 1 coat	Ltr.	9	260.00	2340.00
20	G.I.Wire 8 SWG/ 6 SWG	Kg.	130	72.00	9360.00
21	Concreting ration 1:3:6	LS	1	4328.00	4328.00
22	Sundries	LS	2	886.00	1772.00
23	Wedge connectors				
a)	WEASEL TO WEASEL or equivalent AAAC	No	24	131.00	3144.00

Cost of material

227002.00

1	Erection cost on material	15.00%	34050
2	Contractor supervision charges on material	5.00%	11350
	Sub-Total		272402
3	Contractor's Profit	5.00%	13620
	Sub-Total		286023
4	Transportation on material	4.00%	9080
5	T&P on material cost	1.00%	2270
6	Contingencies on material	2.00%	4540
	Service Cost		633336
	Sub-Total		301913
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	604
	Sub-Total		302516
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	756
9	Insurance	1.00%	3025
10	Turnkey Charges	0.00%	0

Total

306298

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	431168	306294
Total Cost of the Estimate	431168	306294

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.0903

Cost data for 1.0 Km. pin type 11 KV line in town with ACSR Weasel conductor on RSJ Pole.

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	RSJ 116x100, 11 m long	No.	17	15270.00	259590.00
2	RSJ 116x100, 9 m long	No.	2	12493.00	24986.00
3	11 kv guarding channel MS 75x40	Kg.	104	70.00	7280.00
4	M.S.Channel 75x40x6 mm	Kg.	122	70.00	8540.00
5	MS angle 50x50x6 mm	Kg.	72	70.00	5040.00
6	M.S. Flats(50 X 10mm)	Kg.	37	65.00	2405.00
7	11 KV V cross arm with clamp	No.	13	863.00	11219.00
8	11 KV Top fitting with clamp	No.	13	123.00	1599.00
9	11 kV Pin Insulators with G.I. Pins	No.	39	120.00	4680.00
10	Disc Insulator 11 KV 70 KN	No.	24	326.00	7824.00
11	Strain Hardware for 34 Sq.mm AAAC	Set	24	161.00	3864.00
12	ACSR Weasel	Rmt	3150	24.00	75600.00
13	H.T.Stay Set	Set	8	807.00	6456.00
14	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	80	72.00	5760.00
15	Earthing Sets H.T	Set	17	462.00	7854.00
16	G.I.Barbed Wire 'A' type.	Kg.	66	80.00	5280.00
17	Danger Board in yard.	No.	17	87.00	1479.00
18	Black Bituminous Paint	Ltr.	6	150.00	900.00
19	Red Oxide Paint for 2 coats	Ltr.	20	124.00	2480.00
20	Aluminium Paint for 1 coat	Ltr.	9	260.00	2340.00
21	Concreting ration 1:3:6	Cmt.	17	4328.00	73576.00
22	G.I.Wire 8 SWG/ 6 SWG	Kg.	130	72.00	9360.00
23	G.I.Nut Bolts	Kg.	80	112.00	8960.00
24	Wedge connectors				
a)	WEASEL TO WEASEL or equivalent AAAC	No	24	131.00	3144.00

Cost of material

540216.00

1	Erection cost on material	15.00%	81032
2	Contractor supervision charges on material	5.00%	27011
	Sub-Total		648259
3	Contractor's Profit	5.00%	32413
	Sub-Total		680672
4	Transportation on material	4.00%	21609
5	T&P on material cost	1.00%	5402
6	Contingencies on material	2.00%	10804
	Service Cost		1507203
	Sub-Total		718487
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1437
	Sub-Total		719924
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1800
9	Insurance	1.00%	7199
10	Turnkey Charges	0.00%	0

Total

728923

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1026086	728913
Total Cost of the Estimate	1026086	728913

Assumption:

- 1) 4- cut points (including 1- rightangle cut point in 1 km.)
- 2) 2- line deviations upto 60 *
- 3) 2 Strut support
- 4) Average span length - 60 mtrs.
- 5) Conceriting for all poles, struts & stages. (1:4:8)

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0905

Cost data for 11 KV Single circuit Pin type with 100sq.mm AAAC lines on 152x152 mm 11 mtr RSJ poles

(A) HT Line :

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	RSJ 152x152, 11 m long	No.	17	24631.00	418727.00
2	RSJ 116x100, 10 m long	No.	2	13882.00	27764.00
3	11 kv guarding channel MS 75x40	Kg.	104	70.00	7280.00
4	M.S.Channel 75x40x6 mm	Kg.	122	70.00	8540.00
5	11 KV V cross arm with clamp	No.	13	863.00	11219.00
6	11 KV Top fitting with clamp	No.	13	123.00	1599.00
7	MS angle 50x50x6 mm	Kg.	72	70.00	5040.00
8	M.S. Flats(50 X 10mm)	Kg.	37	65.00	2405.00
9	G.I.Nut Bolts	Kg.	90	112.00	10080.00
10	11 kV Pin Insulators with G.I. Pins	No.	39	120.00	4680.00
11	Disc Insulator 11 KV 70 KN	No.	24	326.00	7824.00
12	Strain Hardware for Dog0.1 or Equ.AAAC.	Set	24	370.00	8880.00
13	AAAC 100 mm2	Rmt	3150	70.00	220500.00
14	Sleve Joints	No.	3	145.00	435.00
15	H.T.Stay Set	Set	8	807.00	6456.00
16	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	80	72.00	5760.00
17	Earthing Sets H.T	Set	17	462.00	7854.00
18	G.I.Barbed Wire 'A' type.	Kg.	71	80.00	5680.00
19	Danger Board in yard.	No.	17	87.00	1479.00
20	Concreting ration 1:3:6	Cmt.	18	4328.00	77904.00
21	G.I.Wire 8 SWG/ 6 SWG	Kg.	130	72.00	9360.00
22	Black Bituminous Paint	Ltr.	6	150.00	900.00
23	Red Oxide Paint for 2 coats	Ltr.	20	124.00	2480.00
24	Aluminium Paint for 1 coat	Ltr.	9	260.00	2340.00
25	Sundries	LS	1	886.00	886.00
26	Wedge connectors				
a)	DOG TO DOG or equivalent AAAC	No	24	642.00	15408.00

Cost of material

871480.00

1	Erection cost on material	15.00%	130722
2	Contractor supervision charges on material	5.00%	43574
	Sub-Total		1045776
3	Contractor's Profit	5.00%	52289
	Sub-Total		1098065
4	Transportation on material	4.00%	34859
5	T&P on material cost	1.00%	8715
6	Contingencies on material	2.00%	17430
	Service Cost		2431429
	Sub-Total		1159068
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2318
	Sub-Total		1161387
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour ccess)	0.25%	2903
9	Insurance	1.00%	11614
10	Turnkey Charges	0.00%	0

Total

1175904

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1655289	1175888
Total Cost of the Estimate	1655289	1175888

Assumption:

1) 4- cut points (including 1- rightangle cut point in 1 km.)

2) Average span lengthe - 60 mtrs.

3) Conceriting for all poles, struts & stages. (1:4:8)

4) 4 strut support considered.

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0906

Cost data for 11 KV Single circuit Pin type with 100sq.mm AAAC lines on 100x116 mm 10 mtr RSJ poles

(A) HT Line :

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	RSJ 116x100, 10 m long	No.	17	13882.00	235994.00
2	RSJ 116x100, 9 m long	No.	2	12493.00	24986.00
3	11 kv guarding channel MS 75x40	Kg.	104	70.00	7280.00
4	M.S.Channel 75x40x6 mm	Kg.	122	70.00	8540.00
5	MS angle 50x50x6 mm	Kg.	72	70.00	5040.00
6	M.S. Flats(50 X 10mm)	Kg.	37	65.00	2405.00
7	11 KV V cross arm with clamp	No.	13	863.00	11219.00
8	11 KV Top fitting with clamp	No.	13	123.00	1599.00
9	G.I.Nut Bolts	Kg.	90	112.00	10080.00
10	11 kV Pin Insulators with G.I. Pins	No.	39	120.00	4680.00
11	Disc Insulator 11 KV 70 KN	No.	24	326.00	7824.00
12	Strain Hardware for Dog0.1 or Equ.AAAC.	Set	24	370.00	8880.00
13	AAAC 100 mm2	Rmt	3150	70.00	220500.00
14	Sleve Joints	No.	3	145.00	435.00
15	H.T.Stay Set	Set	8	807.00	6456.00
16	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	80	72.00	5760.00
17	Earthing Sets H.T	Set	17	462.00	7854.00
18	G.I.Barbed Wire 'A' type.	Kg.	77	80.00	6160.00
19	Danger Board in yard.	No.	17	87.00	1479.00
20	Concreting ration 1:3:6	Cmt.	20	4328.00	86560.00
21	G.I.Wire 8 SWG/ 6 SWG	Kg.	130	72.00	9360.00
22	Black Bituminous Paint	Ltr.	6	150.00	900.00
23	Red Oxide Paint for 2 coats	Ltr.	20	124.00	2480.00
24	Aluminium Paint for 1 coat	Ltr.	9	260.00	2340.00
25	Sundries	LS	1	886.00	886.00
26	Wedge connectors				
a)	DOG TO DOG or equivalent AAAC	No	24	642.00	15408.00

Cost of material

695105.00

1	Erection cost on material	15.00%	104266
2	Contractor supervision charges on material	5.00%	34755
	Sub-Total		834126
3	Contractor's Profit	5.00%	41706
	Sub-Total		875832
4	Transportation on material	4.00%	27804
5	T&P on material cost	1.00%	6951
6	Contingencies on material	2.00%	13902
	Service Cost		1939343
	Sub-Total		924490
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1849
	Sub-Total		926339
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	2316
9	Insurance	1.00%	9263
10	Turnkey Charges	0.00%	0

Total

937918

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1320282	937905
Total Cost of the Estimate	1320282	937905

Assumption:

- 1) 4- cut points (including 1- rightangle cut point in 1 km.)
- 2) Average span lengthe - 60 mtrs.
- 3) Conceriting for all poles, struts & stages. (1:4:8)
- 4) 2strut support considered.

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0907

Cost data for 11 KV Single circuit Pin type with 55sq.mm AAAC lines on 100x116 mm 9 mtr RSJ poles

(A) HT Line :

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	RSJ 116x100, 9 m long	No.	17	12493.00	212381.00
2	RSJ 116x100, 8 m long	No.	2	11105.00	22210.00
3	11 kv guarding channel MS 75x40	Kg.	104	70.00	7280.00
4	M.S.Channel 75x40x6 mm	Kg.	122	70.00	8540.00
5	MS angle 50x50x6 mm	Kg.	72	70.00	5040.00
6	M.S. Flats(50 X 10mm)	Kg.	37	65.00	2405.00
7	11 KV V cross arm with clamp	No.	13	863.00	11219.00
8	11 KV Top fitting with clamp	No.	13	123.00	1599.00
9	G.I.Nut Bolts	Kg.	90	112.00	10080.00
10	11 kV Pin Insulators with G.I. Pins	No.	39	120.00	4680.00
11	Disc Insulator 11 KV 70 KN	No.	24	326.00	7824.00
12	Strain Hardware for 55 Sq.mm AAAC	Set	24	175.00	4200.00
13	AAAC 55 mm2	Rmt	3150	36.00	113400.00
14	Sleve Joints	No.	3	145.00	435.00
15	H.T.Stay Set	Set	8	807.00	6456.00
16	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	80	72.00	5760.00
17	Earthing Sets H.T	Set	17	462.00	7854.00
18	G.I.Barbed Wire 'A' type.	Kg.	71	80.00	5680.00
19	Danger Board in yard.	No.	17	87.00	1479.00
20	Concreting ration 1:3:6	Cmt.	18	4328.00	77904.00
21	G.I.Wire 8 SWG/ 6 SWG	Kg.	130	72.00	9360.00
22	Black Bituminous Paint	Ltr.	6	150.00	900.00
23	Red Oxide Paint for 2 coats	Ltr.	20	124.00	2480.00
24	Aluminium Paint for 1 coat	Ltr.	9	260.00	2340.00
25	Sundries	LS	1	886.00	886.00
26	Wedge connectors				
a)	RABIT To RABIT or equivalent AAAC	No	24	131.00	3144.00

Cost of material

535536.00

1	Erection cost on material	15.00%	80330
2	Contractor supervision charges on material	5.00%	26777
	Sub-Total		642643
3	Contractor's Profit	5.00%	32132
	Sub-Total		674775
4	Transportation on material	4.00%	21421
5	T&P on material cost	1.00%	5355
6	Contingencies on material	2.00%	10711
	Service Cost		1494145
	Sub-Total		712263
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1425
	Sub-Total		713687
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1784
9	Insurance	1.00%	7137
10	Turnkey Charges	0.00%	0

Total

722608

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1017197	722599
Total Cost of the Estimate	1017197	722599

Assumption:

- 1) 4- cut points (including 1- rightangle cut point in 1 km.)
- 2) Average span lengthe - 60 mtrs.
- 3) Conceriting for all poles, struts & stages. (1:4:8)
- 4) 4 strut support considered.

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0908

Cost data for 11 KV Single circuit Pin type with 55sq.mm AAAC lines on 100x116 mm 9 mtr PSC poles

(A) HT Line :

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	PSC Pole 9 Mtr (200 KG)	No.	18	2983.00	53694.00
2	11 kv guarding channel MS 75x40	Kg.	104	70.00	7280.00
3	M.S.Channel 75x40x6 mm	Kg.	122	70.00	8540.00
4	MS angle 50x50x6 mm	Kg.	72	70.00	5040.00
5	11 KV V cross arm with clamp	No.	12	863.00	10356.00
6	11 KV Top fitting with clamp	No.	12	123.00	1476.00
7	M.S. Flats(50 X 10mm)	Kg.	39	65.00	2535.00
8	11 KV Pin Insulators with G.I. Pins	No.	42	120.00	5040.00
9	Disc Insulator 11 KV 70 KN	No.	24	326.00	7824.00
10	Strain Hardware for 55 Sq.mm AAAC	Set	24	175.00	4200.00
11	AAAC 55 mm2	Rmt	3150	36.00	113400.00
12	Sleeve Joints	No.	3	145.00	435.00
13	H.T.Stay Set	Set	8	807.00	6456.00
14	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	80	72.00	5760.00
15	Earthing Sets H.T	Set	18	462.00	8316.00
16	G.I.Barbed Wire 'A' type.	Kg.	71	80.00	5680.00
17	Danger Board in yard.	No.	18	87.00	1566.00
18	Concreting ration 1:3:6	Cmt.	18	4328.00	77904.00
19	G.I.Wire 8 SWG/ 6 SWG	Kg.	130	72.00	9360.00
20	Black Bituminus Paint	Ltr.	6	150.00	900.00
21	Red Oxide Paint for 2 coats	Ltr.	20	124.00	2480.00
22	Aluminium Paint for 1 coat	Ltr.	9	260.00	2340.00
23	G.I.Nut Bolts	Kg.	90	112.00	10080.00
24	Sundries	LS	1	886.00	886.00
25	Wedge connectors				
a)	RABIT To RABIT or equivalent AAAC	No	24	131.00	3144.00

Cost of material

354692.00

1	Erection cost on material	15.00%	53204
2	Contractor supervision charges on material	5.00%	17735
	Sub-Total		425630
3	Contractor's Profit	5.00%	21282
	Sub-Total		446912
4	Transportation on material	4.00%	14188
5	T&P on material cost	1.00%	3547
6	Contingencies on material	2.00%	7094
	Service Cost		989591
	Sub-Total		471740
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	943
	Sub-Total		472684
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1182
9	Insurance	1.00%	4727
10	Turnkey Charges	0.00%	0

Total

478592

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	673702	478586
Total Cost of the Estimate	673702	478586

Assumption:

- 1) 4- cut points (including 1- rightangle cut point in 1 km.)
- 2) Average span lengthe - 60 mtrs.
- 3) Conceriting for all poles, struts & stages. (1:4:8)

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0909

Cost for 1.0 Km. Suspension type 11 KV line (for feeder) with AAAC 100 sqmm and RSJ 100 X 116 mm - 11 mtr. Long.

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	RSJ 116x100, 11 m long	No.	17	15270.00	259590.00
2	RSJ 116x100, 10 m long	No.	2	13882.00	27764.00
3	M.S.Channel 75x40x6 mm	Kg.	524	70.00	36680.00
4	MS angle 50x50x6 mm	Kg.	248	70.00	17360.00
5	M.S. Flats(50 X 10mm)	Kg.	107	65.00	6955.00
6	Disc Insulator 11 KV 70 KN	No.	63	326.00	20538.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Set	24	370.00	8880.00
8	SSN Hardware for 0.1 Dog or AAAC 100 Sq.mm	Set	39	258.00	10062.00
9	AAAC 100 mm2	Rmt	3150	70.00	220500.00
10	Sleeve Joints	No.	3	145.00	435.00
11	H.T.Stay Set	Set	8	807.00	6456.00
12	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	80	72.00	5760.00
13	Earthing Sets H.T	Set	17	462.00	7854.00
14	G.I.Barbed Wire 'A' type.	Kg.	71	80.00	5680.00
15	Danger Board in yard.	No.	17	87.00	1479.00
16	Concreting ration 1:3:6	Cmt.	18	4328.00	77904.00
17	G.I.Wire 8 SWG/ 6 SWG	Kg.	130	72.00	9360.00
18	Black Bituminus Paint	Ltr.	6	150.00	900.00
19	Red Oxide Paint for 2 coats	Ltr.	20	124.00	2480.00
20	Aluminium Paint for 1 coat	Ltr.	9	260.00	2340.00
21	G.I.Nut Bolts	Kg.	90	112.00	10080.00
22	Sundries	LS	1	886.00	886.00
23	Wedge connectors				
a)	DOG TO DOG or equivalent AAAC	No	24	642.00	15408.00

Cost of material

755351.00

1	Erection cost on material	15.00%	113303
2	Contractor supervision charges on material	5.00%	37768
	Sub-Total		906421
3	Contractor's Profit	5.00%	45321
	Sub-Total		951742
4	Transportation on material	4.00%	30214
5	T&P on material cost	1.00%	7554
6	Contingencies on material	2.00%	15107
	Service Cost		2107429
	Sub-Total		1004617
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2009
	Sub-Total		1006626
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	2517
9	Insurance	1.00%	10066
10	Turnkey Charges	0.00%	0
	Total		1019209

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1434714	1019195
Total Cost of the Estimate	1434714	1019195

Assumption:

- 1) 4- cut points (including 1- rightangle cut point in 1 km.)
- 2) Average span lengthe - 60 mtrs.
- 3) Conceriting for all poles, struts & stages. (1:4:8)
- 4) 4 strut support considered.

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0910

Cost data for 11 KV Single circuit Suspension type with 55sq.mm AAAC lines on 100x116 mm 11 mtr RSJ poles

(A) HT Line :

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	RSJ 116x100, 11 m long	No.	17	15270.00	259590.00
2	RSJ 116x100, 10 m long	No.	2	13882.00	27764.00
3	M.S.Channel 75x40x6 mm	Kg.	524	70.00	36680.00
4	MS angle 50x50x6 mm	Kg.	248	70.00	17360.00
5	M.S. Flats(50 X 10mm)	Kg.	107	65.00	6955.00
6	Disc Insulator 11 KV 70 KN	No.	63	326.00	20538.00
7	Strain Hardware for 55 Sq.mm AAAC	Set	24	175.00	4200.00
8	Suspension Hardware for 55 sq mm Condr.	No.	39.00	189.00	7371.00
9	AAAC 55 mm2	Rmt	3150	36.00	113400.00
10	Sieve Joints	No.	3	145.00	435.00
11	H.T.Stay Set	Set	8	807.00	6456.00
12	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	80	72.00	5760.00
13	Earthing Sets H.T	Set	17	462.00	7854.00
14	G.I.Barbed Wire 'A' type.	Kg.	71	80.00	5680.00
15	Danger Board in yard.	No.	17	87.00	1479.00
16	Concreting ration 1:3:6	Cmt.	18	4328.00	77904.00
17	G.I.Wire 8 SWG/ 6 SWG	Kg.	130	72.00	9360.00
18	Black Bituminus Paint	Ltr.	6	150.00	900.00
19	Red Oxide Paint for 2 coats	Ltr.	20	124.00	2480.00
20	Aluminium Paint for 1 coat	Ltr.	9	260.00	2340.00
21	G.I.Nut Bolts	Kg.	90	112.00	10080.00
22	Sundries	LS	1	886.00	886.00
23	Wedge connectors				
a)	RABIT To RABIT or equivalent AAAC	No	24	131.00	3144.00

Cost of material

628616.00

1	Erection cost on material	15.00%	94292
2	Contractor supervision charges on material	5.00%	31431
	Sub-Total		754339
3	Contractor's Profit	5.00%	37717
	Sub-Total		792056
4	Transportation on material	4.00%	25145
5	T&P on material cost	1.00%	6286
6	Contingencies on material	2.00%	12572
	Service Cost		1753839
	Sub-Total		836059
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1672
	Sub-Total		837731
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	2094
9	Insurance	1.00%	8377
10	Turnkey Charges	0.00%	0

Total

848203

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1193993	848192
Total Cost of the Estimate	1193993	848192

Assumption:

- 1) 4- cut points (including 1- rightangle cut point in 1 km.)
- 2) Average span lengthe - 60 mtrs.
- 3) Conceriting for all poles, struts & stages. (1:4:8)
- 4) 2 strut support considered.

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0911

11 kV Single Circuit Express/Highway Crossing with 55 sqmm AAAC line on100X116MM, 11 mtr RSJ Poles

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	RSJ 116x100, 11 m long	No.	4	15270.00	61080.00
2	M.S.Channel 75x40x6 mm	Kg.	160	70.00	11200.00
3	MS angle 50x50x6 mm	kg.	22	70.00	1540.00
4	M.S.Flat 50 x 6 mm	kg.	24	65.00	1560.00
5	AAAC 55 mm2	m	100	36.00	3600.00
6	11 kV Pin Insulators with G.I. Pins	NO.	6	120.00	720.00
7	Disc Insulator 11 KV 45 KN	NO.	12	295.00	3540.00
8	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	6	370.00	2220.00
9	H.T.Stay Set	No	4	807.00	3228.00
10	G.I.Stay Wire 7/4mm(8 SWG)	kg.	25	72.00	1800.00
11	Earthing Sets H.T	No.	4	462.00	1848.00
12	Danger Board in yard.	No.	4	87.00	348.00
13	G.I.Wire 8 SWG/ 6 SWG	Kg.	25	72.00	1800.00
14	G.I.Barbed Wire 'A' type.	kg.	30	80.00	2400.00
15	Concreting ration 1:3:6	CMT.	4	4328.00	17312.00
16	Black Bituminus Paint	Ltr.	1	150.00	150.00
17	Red Oxide Paint for 2 coats	Ltr.	3	124.00	372.00
18	Aluminium Paint for 1 coat	Ltr.	2	260.00	520.00
19	Sundries	L.S.	1	886.00	886.00
20	Wedge connectors				
a)	RABIT To RABIT or equivalent AAAC	No	12	131.00	1572.00

Cost of material

117696.00

1	Erection cost on material	15.00%	17654
2	Contractor supervision charges on material	5.00%	5885
	Sub-Total		141235
3	Contractor's Profit	5.00%	7062
	Sub-Total		148297
4	Transportation on material	4.00%	4708
5	T&P on material cost	1.00%	1177
6	Contingencies on material	2.00%	2354
	Service Cost		328372
	Sub-Total		156536
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	313
	Sub-Total		156849
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	392
9	Insurance	1.00%	1568
10	Turnkey Charges	0.00%	0

Total

158809

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	223552	158807
Total Cost of the Estimate	223552	158807

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0912

11 kV Single Circuit Express/Highway Crossing with 100 sqmm AAAC line on 152X152MM, 13 mtr RSJ Poles

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	RSJ 152x152, 13 m long	No.	4	29109.00	116436.00
2	M.S.Channel 75x40x6 mm	Kg.	160	70.00	11200.00
3	MS angle 50x50x6 mm	kg.	22	70.00	1540.00
4	M.S.Flat 50 x 6 mm	kg.	24	65.00	1560.00
5	AAAC 100 mm2	m	100	70.00	7000.00
6	11 kV Pin Insulators with G.I. Pins	NO.	6	120.00	720.00
7	Disc Insulator 11 KV 45 KN	NO.	12	295.00	3540.00
8	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	12	370.00	4440.00
9	H.T.Stay Set	No	4	807.00	3228.00
10	G.I.Stay Wire 7/4mm(8 SWG)	kg.	25	72.00	1800.00
11	Earthing Sets H.T	No.	4	462.00	1848.00
12	Danger Board in yard.	No.	4	87.00	348.00
13	G.I.Wire 8 SWG/ 6 SWG	Kg.	25	72.00	1800.00
14	G.I.Barbed Wire 'A' type.	kg.	30	80.00	2400.00
15	Concreting ration 1:3:6	CMT.	4	4328.00	17312.00
16	Black Bituminus Paint	Ltr.	2	150.00	300.00
17	Red Oxide Paint for 2 coats	Ltr.	6	124.00	744.00
18	Aluminium Paint for 1 coat	Ltr.	4	260.00	1040.00
19	Sundries	L.S.	1	886.00	886.00
20	Wedge connectors				
a)	DOG TO DOG or equivalent AAAC	No	12	642.00	7704.00

Cost of material

185846.00

1	Erection cost on material	15.00%	27877
2	Contractor supervision charges on material	5.00%	9292
	Sub-Total		223015
3	Contractor's Profit	5.00%	11151
	Sub-Total		234166
4	Transportation on material	4.00%	7434
5	T&P on material cost	1.00%	1858
6	Contingencies on material	2.00%	3717
	Service Cost		518510
	Sub-Total		247175
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	494
	Sub-Total		247670
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	619
9	Insurance	1.00%	2477
10	Turnkey Charges	0.00%	0

Total

250765

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	352996	250762
Total Cost of the Estimate	352996	250762

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0913

Cost Data for laying of 1 Km. 11 KV 3 C 300 mm 2 XLPE under ground Cable

Sr.No.	Particulars	Unit	Qty.	RT/U.Rs.	Amount
1	XLPE Cable 11 KV, 3 C / 300 mm sq.	Rmt	1000.00	1498.00	1498000.00
2	R.C.C. Pipe 150 mm 2 M	No	30.00	629.00	18870.00
3	RCC Tiles (0.6 x 0.5) Mtrs.	No.	940.00	149.00	140060.00
4	11 kV heat shrinkable Straight through joint kit for 3 C X 300 sqmm	No	2.00	5501.00	11002.00
5	11 kV heat shrinkable Outdoor termination joint kit for 3 C X 300 sqmm	No.	2.00	2111.00	4222.00
6	Sand	Cmt	250.00	280.00	70000.00
7	Misc. for XLPE U/G Cable	LS	1.00	1150.00	1150.00

Cost of material

1743304.00

1	Erection cost on material	15.00%	261496
2	Contractor supervision charges on material	5.00%	87165
	Sub-Total		2091965
3	Contractor's Profit	5.00%	104598
	Sub-Total		2196563
4	Transportation on material	4.00%	69732
5	T&P on material cost	1.00%	17433
6	Contingencies on material	2.00%	34866
	Service Cost		4863818
	Sub-Total		2318594
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	4637
	Sub-Total		2323232
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	5808
9	Insurance	1.00%	23232
10	Turnkey Charges	0.00%	0
	Total		2352272

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	3311232	2352240
Total Cost of the Estimate	3311232	2352240

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.0915

Cost Data for laying of 1 Km. 11 KV 3 C 185 mm 2 XLPE under ground Cable

Sr.No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount
1	XLPE Cable 11 KV, 3 C / 185 mm sq.	Rmt	1000.00	1181.00	1181000.00
2	R.C.C. Pipe 150 mm 2 M	No	30.00	629.00	18870.00
3	Half round cement pipe (150mm X 1mtr)	No.	940.00	157.00	147580.00
4	11 kV heat shrinkable Straight through joint kit for 3 C X 185 sqmm	No.	2.00	5245.00	10490.00
5	11 kV heat shrinkable Outdoor termination joint kit for 3 C X 185 sqmm	No.	2.00	1983.00	3966.00
6	Sand	Cmt	250.00	280.00	70000.00
7	Misc. for XLPE U/G Cable	LS	1.00	1150.00	1150.00
Cost of material					1433056.00

1	Erection cost on material	15.00%	214958
2	Contractor supervision charges on material	5.00%	71653
Sub-Total			1719667
3	Contractor's Profit	5.00%	85983
Sub-Total			1805651
4	Transportation on material	4.00%	57322
5	T&P on material cost	1.00%	14331
6	Contingencies on material	2.00%	28661
Service Cost			3998226
Sub-Total			1905964
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	3812
Sub-Total			1909776
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	4774
9	Insurance	1.00%	19098
10	Turnkey Charges	0.00%	0

Total

1933649

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	2721947	1933622
Total Cost of the Estimate	2721947	1933622

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.0916

Estimate for laying of 1 Km. 11 KV 3 C 95 mm 2 XLPE under ground Cable

Sr.No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount
1	XLPE Cable 11 KV, 3 C / 95 mm sq.	Rmt	1000.00	815.00	815000.00
2	R.C.C. Pipe 150 mm 2 M	No	30.00	629.00	18870.00
3	Half round cement pipe (150mm X 1mtr)	No.	940.00	157.00	147580.00
4	11 kV heat shrinkable Straight through joint kit for 3 C X 95 sqmm	No.	2.00	4349.00	8698.00
5	11 kV heat shrinkable Outdoor termination joint kit for 3 C X 95 sqmm	No.	2.00	1517.00	3034.00
6	Sand	Cmt	250.00	280.00	70000.00
7	Misc. for XLPE U/G Cable	LS	1.00	1150.00	1150.00

Cost of material

1064332.00

1	Erection cost on material	15.00%	159650
2	Contractor supervision charges on material	5.00%	53217
	Sub-Total		1277198
3	Contractor's Profit	5.00%	63860
	Sub-Total		1341058
4	Transportation on material	4.00%	42573
5	T&P on material cost	1.00%	10643
6	Contingencies on material	2.00%	21287
	Service Cost		2969486
	Sub-Total		1415562
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2831
	Sub-Total		1418393
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	3546
9	Insurance	1.00%	14184
10	Turnkey Charges	0.00%	0

Total

1436123

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	2021592	1436103
Total Cost of the Estimate	2021592	1436103

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0917

Conversion of 11 kV line by 3 core 185 sqmm Cable

Sr.No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount
1	XLPE Cable 11 KV, 3 C / 185 mm sq.	Rmt	1000.00	1181.00	1181000.00
2	R.C.C. Pipe 150 mm 2 M	No	30.00	629.00	18870.00
3	Half round cement pipe (150mm X 1mtr)	No.	940.00	157.00	147580.00
4	11 kV heat shrinkable Straight through joint kit for 3 C X 185 sqmm	No	2.00	5245.00	10490.00
5	11 kV heat shrinkable Outdoor termination joint kit for 3 C X 185 sqmm	No.	2.00	1983.00	3966.00
6	Sand	Cmt	250.00	280.00	70000.00
7	Misc. for XLPE U/G Cable	LS	1.00	1150.00	1150.00

Cost of material

1433056.00

1	Erection cost on material	15.00%	214958
2	Contractor supervision charges on material	5.00%	71653
	Sub-Total		1719667
3	Contractor's Profit	5.00%	85983
	Sub-Total		1805651
4	Transportation on material	4.00%	57322
5	T&P on material cost	1.00%	14331
6	Contingencies on material	2.00%	28661
	Service Cost		3998226
	Sub-Total		1905964
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	3812
	Sub-Total		1909776
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	4774
9	Insurance	1.00%	19098
10	Turnkey Charges	0.00%	0

Total

1933649

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	2721947	1933622
Total Cost of the Estimate	2721947	1933622

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0918

Conversion of 11 kV line by 3 core 95 sqmm Cable

Sr.No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount
1	XLPE Cable 11 KV, 3 C / 95 mm sq.	Rmt	1000.00	815.00	815000.00
2	R.C.C. Pipe 150 mm 2 M	No	30.00	629.00	18870.00
3	Half round cement pipe (150mm X 1mtr)	No.	940.00	157.00	147580.00
4	11 kV heat shrinkable Straight through joint kit for 3 C X 95 sqmm	No	2.00	4349.00	8698.00
5	11 kV heat shrinkable Outdoor termination joint kit for 3 C X 95 sqmm	No.	2.00	1517.00	3034.00
6	Sand	Cmt	250.00	280.00	70000.00
7	Misc. for XLPE U/G Cable	LS	1.00	1150.00	1150.00

Cost of material

1064332.00

1	Erection cost on material	15.00%	159650
2	Contractor supervision charges on material	5.00%	53217
	Sub-Total		1277198
3	Contractor's Profit	5.00%	63860
	Sub-Total		1341058
4	Transportation on material	4.00%	42573
5	T&P on material cost	1.00%	10643
6	Contingencies on material	2.00%	21287
	Service Cost		2969486
	Sub-Total		1415562
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2831
	Sub-Total		1418393
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	3546
9	Insurance	1.00%	14184
10	Turnkey Charges	0.00%	0

Total

1436123

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	2021592	1436103
Total Cost of the Estimate	2021592	1436103

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0919

Cost data for Major river crossing with 55 sqmm overhead conductor on 152X152MM,13 mtr RSJ pole as per sketch for one span of 100 mtr.

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	RSJ 152x152, 13 m long	No.	4	29109.00	116436.00
2	M.S.Channel 75x40x6 mm	Kg.	75	70.00	5250.00
3	MS Channel 100x50x6 mm	Kg.	110	70.00	7700.00
4	MS angle 50x50x6 mm	kg.	22	70.00	1540.00
5	M.S.Flat 50 x 6 mm	kg.	24	65.00	1560.00
6	AAAC 55 mm2	Rmt	330	36.00	11880.00
7	11 kV Pin Insulators with G.I. Pins	NO.	6	120.00	720.00
8	Disc Insulator 11 KV 45 KN	NO.	12	295.00	3540.00
9	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	12	370.00	4440.00
10	H.T.Stay Set	No	4	807.00	3228.00
11	G.I.Stay Wire 7/4mm(8 SWG)	kg.	25	72.00	1800.00
12	Earthing Sets H.T	No.	4	462.00	1848.00
13	Danger Board in yard.	No.	4	87.00	348.00
14	G.I.Wire 8 SWG/ 6 SWG	Kg.	25	72.00	1800.00
15	G.I.Barbed Wire 'A' type.	kg.	30	80.00	2400.00
16	Black Bituminus Paint	Ltr.	2	150.00	300.00
17	Red Oxide Paint for 2 coats	Ltr.	6	124.00	744.00
18	Aluminium Paint for 1 coat	Ltr.	4	260.00	1040.00
19	Concreting ration 1:3:6	CMT.	4	4328.00	17312.00
20	Sundries	L.S.	1	886.00	886.00
21	Wedge connectors				
a)	RABIT To RABIT or equivalent AAAC	No	12	131.00	1572.00

Cost of material

186344.00

1	Erection cost on material	15.00%	27952
2	Contractor supervision charges on material	5.00%	9317
	Sub-Total		223613
3	Contractor's Profit	5.00%	11181
	Sub-Total		234793
4	Transportation on material	4.00%	7454
5	T&P on material cost	1.00%	1863
6	Contingencies on material	2.00%	3727
	Service Cost		519900
	Sub-Total		247838
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	496
	Sub-Total		248333
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	621
9	Insurance	1.00%	2483
10	Turnkey Charges	0.00%	0

Total

251437

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	353942	251434
Total Cost of the Estimate	353942	251434

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0920

DOUPLE POLE STRUCTURE(cut point) OF- 11 KV LINE USING13 M LONG RSJ POLE

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	RSJ 152x152, 13 m long	No.	2	29109.00	58218.00
2	M.S. Flats(50 X 10mm)	Kg.	10	65.00	650.00
3	MS Channel 100x50x6 mm	Kg.	110	70.00	7700.00
4	M.S.Channel 75x40x6 mm	Kg.	75	70.00	5250.00
5	MS angle 50x50x6 mm	Kg.	50	70.00	3500.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	6	370.00	2220.00
7	Disc Insulator 11 KV 70 KN	No.	6	326.00	1956.00
8	H.T.Stay Set	No.	2	807.00	1614.00
9	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	25	72.00	1800.00
10	Earthing Sets H.T	No	2	462.00	924.00
11	G.I.Wire 8 SWG/ 6 SWG	kg.	6	72.00	432.00
12	G.I.Barbed Wire 'A' type.	kg.	7	80.00	560.00
13	Danger Board in yard.	No.	2	87.00	174.00
14	Red Oxide Paint for 2 coats	Ltr.	6	124.00	744.00
15	Aluminium Paint for 1 coat	Ltr.	4	260.00	1040.00
16	Black Bituminus Paint	Ltr.	2	150.00	300.00
17	Concreting ration 1:3:6	Cmt.	2	4328.00	8656.00
18	Sundries	L.S.	1	886.00	886.00
Cost of material					96624.00

1	Erection cost on material	15.00%	14494
2	Contractor supervision charges on material	5.00%	4831
Sub-Total			115949
3	Contractor's Profit	5.00%	5797
Sub-Total			121746
4	Transportation on material	4.00%	3865
5	T&P on material cost	1.00%	966
6	Contingencies on material	2.00%	1932
Service Cost			269581
Sub-Total			128510
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	257
Sub-Total			128767
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	322
9	Insurance	1.00%	1288
10	Turnkey Charges	0.00%	0
Total			130377

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	183528	130375
Total Cost of the Estimate	183528	130375

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0921

DOUPLE POLE STRUCTURE(cut point) OF- 11 KV LINE USING11 M LONG RSJ POLE

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	RSJ 152x152, 11 m long	No.	2	24631.00	49262.00
2	M.S. Flats(50 X 10mm)	Kg.	10	65.00	650.00
3	MS Channel 100x50x6 mm	Kg.	110	70.00	7700.00
4	M.S.Channel 75x40x6 mm	Kg.	75	70.00	5250.00
5	MS angle 50x50x6 mm	Kg.	50	70.00	3500.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	6	370.00	2220.00
7	Disc Insulator 11 KV 70 KN	No.	6	326.00	1956.00
8	H.T.Stay Set	No.	2	807.00	1614.00
9	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	25	72.00	1800.00
10	Earthing Sets H.T	No	2	462.00	924.00
11	G.I.Wire 8 SWG/ 6 SWG	kg.	6	72.00	432.00
12	G.I.Barbed Wire 'A' type.	kg.	7	80.00	560.00
13	Danger Board in yard.	No.	2	87.00	174.00
14	Black Bituminus Paint	Ltr.	2	150.00	300.00
15	Red Oxide Paint for 2 coats	Ltr.	6	124.00	744.00
16	Aluminium Paint for 1 coat	Ltr.	4	260.00	1040.00
17	Concreting ration 1:3:6	Cmt.	2	4328.00	8656.00
18	Sundries	L.S.	1	886.00	886.00
Cost of material					87668.00

1	Erection cost on material	15.00%	13150
2	Contractor supervision charges on material	5.00%	4383
	Sub-Total		105202
3	Contractor's Profit	5.00%	5260
	Sub-Total		110462
4	Transportation on material	4.00%	3507
5	T&P on material cost	1.00%	877
6	Contigencies on material	2.00%	1753
	Service Cost		244594
	Sub-Total		116598
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	233
	Sub-Total		116832
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	292
9	Insurance	1.00%	1168
10	Turnkey Charges	0.00%	0
	Total		118292

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	166517	118290
Total Cost of the Estimate	166517	118290

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0922

DOUPLE POLE STRUCTURE(cut point) OF- 11 KV LINE USING11 M LONG RSJ POLE

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	RSJ 116x100, 11 m long	No.	2	15270.00	30540.00
2	M.S. Flats(50 X 10mm)	Kg.	10	65.00	650.00
3	MS Channel 100x50x6 mm	Kg.	110	70.00	7700.00
4	M.S.Channel 75x40x6 mm	Kg.	75	70.00	5250.00
5	MS angle 50x50x6 mm	Kg.	50	70.00	3500.00
6	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	6	370.00	2220.00
7	Disc Insulator 11 KV 70 KN	No.	6	326.00	1956.00
8	H.T.Stay Set	No.	2	807.00	1614.00
9	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	25	72.00	1800.00
10	Earthing Sets H.T	No	2	462.00	924.00
11	G.I.Wire 8 SWG/ 6 SWG	kg.	6	72.00	432.00
12	G.I.Barbed Wire 'A' type.	kg.	7	80.00	560.00
13	Danger Board in yard.	No.	2	87.00	174.00
14	Black Bituminus Paint	Ltr.	2	150.00	300.00
15	Red Oxide Paint for 2 coats	Ltr.	6	124.00	744.00
16	Aluminium Paint for 1 coat	Ltr.	4	260.00	1040.00
17	Concreting ration 1:3:6	Cmt.	2	4328.00	8656.00
18	Sundries	L.S.	1	886.00	886.00
Cost of material					68946.00

1	Erection cost on material	15.00%	10342
2	Contractor supervision charges on material	5.00%	3447
	Sub-Total		82735
3	Contractor's Profit	5.00%	4137
	Sub-Total		86872
4	Transportation on material	4.00%	2758
5	T&P on material cost	1.00%	689
6	Contigencies on material	2.00%	1379
	Service Cost		192359
	Sub-Total		91698
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	183
	Sub-Total		91882
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	230
9	Insurance	1.00%	919
10	Turnkey Charges	0.00%	0
	Total		93030

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	130956	93029
Total Cost of the Estimate	130956	93029

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

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, 9 m long	No.	1	12493.00	12493.00
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.	13	72.00	936.00
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	886.00	886.00

Cost of material

32521.00

1	Erection cost on material	15.00%	4878
2	Contractor supervision charges on material	5.00%	1626
	Sub-Total		39025
3	Contractor's Profit	5.00%	1951
	Sub-Total		40976
4	Transportation on material	4.00%	1301
5	T&P on material cost	1.00%	325
6	Contingencies on material	2.00%	650
	Service Cost		90734
	Sub-Total		43253
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	87
	Sub-Total		43339
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	108
9	Insurance	1.00%	433
10	Turnkey Charges	0.00%	0

Total

43881

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	61770	43881
Total Cost of the Estimate	61770	43881

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item code No. 0924

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 152x152, 11 m long	No.	1	24631.00	24631.00
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.	13	72.00	936.00
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	Black Bituminus Paint	Ltr.	0.5	150.00	75.00
12	Red Oxide Paint for 2 coats	Ltr.	1.5	124.00	186.00
13	Aluminium Paint for 1 coat	Ltr.	1	260.00	260.00
14	Danger Board in yard.	No.	1	87.00	87.00
15	Concreting ration 1:3:6	Cmt.	1.5	4328.00	6492.00
16	Sundries	LS	1	886.00	886.00

Cost of material

44659.00

1	Erection cost on material	15.00%	6699
2	Contractor supervision charges on material	5.00%	2233
	Sub-Total		53591
3	Contractor's Profit	5.00%	2680
	Sub-Total		56270
4	Transportation on material	4.00%	1786
5	T&P on material cost	1.00%	447
6	Contingencies on material	2.00%	893
	Service Cost		124599
	Sub-Total		59396
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	119
	Sub-Total		59515
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	149
9	Insurance	1.00%	595
10	Turnkey Charges	0.00%	0

Total

60259

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	84825	60258
Total Cost of the Estimate	84825	60258

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item code No. 0925

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

S.N.	Description of material	Unit	Qty.	RT/U.Rs.	Amt Rs.
1	PSC Pole 9 Mtr (200 KG)	No.	1	2983.00	2983.00
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.	13	72.00	936.00
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	886.00	886.00

Cost of material

23011.00

1	Erection cost on material	15.00%	3452
2	Contractor supervision charges on material	5.00%	1151
	Sub-Total		27613
3	Contractor's Profit	5.00%	1381
	Sub-Total		28994
4	Transportation on material	4.00%	920
5	T&P on material cost	1.00%	230
6	Contingencies on material	2.00%	460
	Service Cost		64201
	Sub-Total		30605
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	61
	Sub-Total		30666
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	77
9	Insurance	1.00%	307
10	Turnkey Charges	0.00%	0

Total

31049

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	43707	31049
Total Cost of the Estimate	43707	31049

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0929

11 KV Single circuit Pin type with 100sq.mm AAAC lines on 100x116 mm 11 mtr RSJ poles

(A) HT Line :

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	RSJ 116x100, 11 m long	No.	17	15270.00	259590.00
2	RSJ 116x100, 10 m long	No.	2	13882.00	27764.00
3	11 kv guarding channel MS 75x40	Kg.	104	70.00	7280.00
4	11 KV V cross arm with clamp	No.	13	863.00	11219.00
5	11 KV Top fitting with clamp	No.	13	123.00	1599.00
6	M.S.Channel 75x40x6 mm	Kg.	122	70.00	8540.00
7	MS angle 50x50x6 mm	Kg.	72	70.00	5040.00
8	M.S. Flats(50 X 10mm)	Kg.	37	65.00	2405.00
9	G.I.Nut Bolts	Kg.	90	112.00	10080.00
10	11 kV Pin Insulators with G.I. Pins	No.	39	120.00	4680.00
11	Disc Insulator 11 KV 70 KN	No.	24	326.00	7824.00
12	Strain Hardware for Dog0.1 or Equ.AAAC.	Set	24	370.00	8880.00
13	AAAC 100 mm2	Rmt	3150	70.00	220500.00
14	Sleve Joints	No.	3	145.00	435.00
15	H.T.Stay Set	Set	8	807.00	6456.00
16	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	80	72.00	5760.00
17	Earthing Sets H.T	Set	17	462.00	7854.00
18	G.I.Barbed Wire 'A' type.	Kg.	77	80.00	6160.00
19	Danger Board in yard.	No.	17	87.00	1479.00
20	Concreting ration 1:3:6	Cmt.	20	4328.00	86560.00
21	G.I.Wire 8 SWG/ 6 SWG	Kg.	130	72.00	9360.00
22	Black Bituminous Paint	Ltr.	6	150.00	900.00
23	Red Oxide Paint for 2 coats	Ltr.	20	124.00	2480.00
24	Aluminium Paint for 1 coat	Ltr.	9	260.00	2340.00
25	Sundries	LS	1	886.00	886.00
26	Wedge connectors				
a)	DOG TO DOG or equivalent AAAC	No	24	642.00	15408.00

Cost of material

721479.00

1	Erection cost on material	15.00%	108222
2	Contractor supervision charges on material	5.00%	36074
	Sub-Total		865775
3	Contractor's Profit	5.00%	43289
	Sub-Total		909064
4	Transportation on material	4.00%	28859
5	T&P on material cost	1.00%	7215
6	Contingencies on material	2.00%	14430
	Service Cost		2012926
	Sub-Total		959567
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1919
	Sub-Total		961486
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	2404
9	Insurance	1.00%	9615
10	Turnkey Charges	0.00%	0

Total

973505

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1370377	973492
Total Cost of the Estimate	1370377	973492

Assumption:

- 1) 4- cut points (including 1- rightangle cut point in 1 km.)
- 2) Average span lengthe - 60 mtrs.
- 3) Conceriting for all poles, struts & stages. (1:4:8)
- 4) 2 strut support considered.

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0933

Cost Data for Supply, Erection, Testing & Commissioning of HT Pillar

Sr.No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount
1	11 KV Feeder Pillar 4 Way	No.	1.00	105153.00	105153.00
Cost of material					105153.00
1	Erection cost on material		15.00%		15773
2	Contractor supervision charges on material		5.00%		5258
Sub-Total					126184
3	Contractor's Profit		5.00%		6309
Sub-Total					132493
4	Transportation on material		4.00%		4206
5	T&P on material cost		1.00%		1052
6	Contingencies on material		2.00%		2103
Service Cost					293377
Sub-Total					139853
7	BG Charges on 10% of the LOA amount (on Material+centage		0.20%		280
Sub-Total					140133
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)		0.25%		350
9	Insurance		1.00%		1401
10	Turnkey Charges		0.00%		0
Total					141885
9	HT Pillar Foundation		1.00	17953.00	17953
Total Cost of Estimate					159838

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	199728	141883
HT Pillar Foundation	17953	17953
Total Cost of the Estimate	217681	159836

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1001

22 KV ,25 KVA Dist. Transformer centers on 9 mtrs RSJ poles with MCCB Dist box.

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	Distribution T/F 22 / .433 KV 25 KVA O/D	No.	1	104207.00	104207.00
2	RSJ 116x100, 9 m long	No	2	12493.00	24986.00
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	22 kV Pin Insulators with G.I. Pins	NO.	3	406.00	1218.00
8	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	3	370.00	1110.00
9	L.T.Dist.Boxes 25/63 KVA with MCCB	No.	1	15522.00	15522.00
10	L.A.s 22KV (Gapless type) with disconnecter	Set.	1	2753.00	2753.00
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	22KV H.G.Fuses	Set.	1	5628.00	5628.00
15	22KV A.B.Switch, 400 A	No.	1	18203.00	18203.00
16	Danger Board in yard.	No.	2	87.00	174.00
17	G.I.Wire 8 SWG/ 6 SWG	Kg.	25	72.00	1800.00
18	G.I.Barbed Wire 'A' type.	kg.	15	80.00	1200.00
19	Concreting ration 1:3:6	CMT.	2	4328.00	8656.00
20	Painting/Hardware & support with numbering of pole	L.S.	1	259.00	259.00
21	DTC Metring with Box, single core L.T. XLPE cable (16 sq.mm., 120 mtr length) and other allied material.	No.	1	13439.00	13439.00
22	Sundries	L.S.	1	886.00	886.00

Cost of material

219635.00

1	Erection cost on material	15.00%	32945
2	Contractor supervision charges on material	5.00%	10982
	Sub-Total		263562
3	Contractor's Profit	5.00%	13178
	Sub-Total		276740
4	Transportation on material	4.00%	8785
5	T&P on material cost	1.00%	2196
6	Contingencies on material	2.00%	4393
	Service Cost		612782
	Sub-Total		292115
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	584
	Sub-Total		292699
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	732
9	Insurance	1.00%	2927
10	Turnkey Charges	0.00%	0

Total

296358

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	417175	296354
Total Cost of the Estimate	417175	296354

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1002

22 KV ,63 KVA Dist. Transformer centers on 9 mtrs RSJ poles with MCCB Dist box.

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	Dist. transformer 63kva,22/0.4kv	No.	1	208134.00	208134.00
2	RSJ 116x100, 9 m long	No	2	12493.00	24986.00
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	22 kV Pin Insulators with G.I. Pins	NO.	3	406.00	1218.00
8	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	3	370.00	1110.00
9	L.T.Dist.Boxes 25/63 KVA with MCCB	No.	1	15522.00	15522.00
10	L.A.s 22KV (Gapless type) with disconnecter	Set.	1	2753.00	2753.00
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	22KV H.G.Fuses	Set.	1	5628.00	5628.00
15	22KV A.B.Switch, 400 A	No.	1	18203.00	18203.00
16	Danger Board in yard.	No.	2	87.00	174.00
17	G.I.Wire 8 SWG/ 6 SWG	Kg.	25	72.00	1800.00
18	G.I.Barbed Wire 'A' type.	kg.	15	80.00	1200.00
19	Concreting ration 1:3:6	CMT.	2	4328.00	8656.00
20	Painting/Hardware & support with numbering of pole	L.S.	1	259.00	259.00
21	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
22	Sundries	L.S.	1	886.00	886.00

Cost of material

326802.00

1	Erection cost on material	15.00%	49020
2	Contractor supervision charges on material	5.00%	16340
	Sub-Total		392162
3	Contractor's Profit	5.00%	19608
	Sub-Total		411771
4	Transportation on material	4.00%	13072
5	T&P on material cost	1.00%	3268
6	Contingencies on material	2.00%	6536
	Service Cost		911778
	Sub-Total		434647
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	869
	Sub-Total		435516
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1089
9	Insurance	1.00%	4355
10	Turnkey Charges	0.00%	0

Total

440960

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	620728	440954
Total Cost of the Estimate	620728	440954

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1004

POLE MOUNTED DISTRIBUTION TRANSFORMER SUB-STATION 100KVA, 22/0.433 KV ON RSJ POLE

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	Dist.transformer 100kva,22/0.4kv	No.	1	278273.00	278273.00
2	RSJ 116x100, 9 m long	No	2	12493.00	24986.00
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	22 kV Pin Insulators with G.I. Pins	NO.	3	406.00	1218.00
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.A.s 22KV (Gapless type) with disconnecter	Set.	1	2753.00	2753.00
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	22KV H.G.Fuses	Set.	1	5628.00	5628.00
15	22KV A.B.Switch, 400 A	No.	1	18203.00	18203.00
16	Danger Board in yard.	No.	2	87.00	174.00
17	G.I.Wire 8 SWG/ 6 SWG	Kg.	25	72.00	1800.00
18	G.I.Barbed Wire 'A' type.	kg.	15	80.00	1200.00
19	Concreting ration 1:3:6	CMT.	2	4328.00	8656.00
20	Painting/Hardware & support with numbering of pole	L.S.	1	259.00	259.00
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
22	Sundries	L.S.	1	886.00	886.00

Cost of material

401633.00

1	Erection cost on material	15.00%	60245
2	Contractor supervision charges on material	5.00%	20082
	Sub-Total		481960
3	Contractor's Profit	5.00%	24098
	Sub-Total		506058
4	Transportation on material	4.00%	16065
5	T&P on material cost	1.00%	4016
6	Contingencies on material	2.00%	8033
	Service Cost		1120556
	Sub-Total		534172
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1068
	Sub-Total		535240
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1338
9	Insurance	1.00%	5352
10	Turnkey Charges	0.00%	0

Total

541931

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	762862	541923
Total Cost of the Estimate	762862	541923

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1005

22 KV ,200 KVA Dist. Transformer centers on 100x116mm, 9 mtrs RSJ poles with MCCB Dist box.

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	Dist.transformer 200kva,22/0.4kv	No.	1	438324.00	438324.00
2	RSJ 116x100, 9 m long	No	2	12493.00	24986.00
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	22 kV Pin Insulators with G.I. Pins	NO.	3	406.00	1218.00
8	Disc Insulator 11 KV 45 KN	No.	6	295.00	1770.00
9	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	3	370.00	1110.00
10	L.T.Dist.Boxes 200 KVA with MCCB	No.	1	31332.00	31332.00
11	L.A.s 22KV (Gapless type) with disconnecter	Set.	1	2753.00	2753.00
12	H.T.Stay Set	No	4	807.00	3228.00
13	G.I.Stay Wire 7/4mm(8 SWG)	kg.	25	72.00	1800.00
14	Earthing Sets H.T	No.	3	462.00	1386.00
15	22KV H.G.Fuses	Set.	1	5628.00	5628.00
16	22KV A.B.Switch, 400 A	No.	1	18203.00	18203.00
17	Danger Board in yard.	No.	2	87.00	174.00
18	G.I.Wire 8 SWG/ 6 SWG	Kg.	25	72.00	1800.00
19	G.I.Barbed Wire 'A' type.	kg.	15	80.00	1200.00
20	Concreting ration 1:3:6	CMT.	2	4328.00	8656.00
21	Painting/Hardware & support with numbering of pole	L.S.	1	259.00	259.00
22	DTC Metring with Box, single core L.T. XLPE cable (185 sq.mm., 200 mtr length) and other allied material.	No.	1	32687.00	32687.00
23	Sundries	L.S.	1	886.00	886.00

Cost of material

590580.00

1	Erection cost on material	15.00%	88587
2	Contractor supervision charges on material	5.00%	29529
	Sub-Total		708696
3	Contractor's Profit	5.00%	35435
	Sub-Total		744131
4	Transportation on material	4.00%	23623
5	T&P on material cost	1.00%	5906
6	Contingencies on material	2.00%	11812
	Service Cost		1647718
	Sub-Total		785471
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1571
	Sub-Total		787042
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1968
9	Insurance	1.00%	7870
10	Turnkey Charges	0.00%	0

Total

796880

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1121748	796870
Total Cost of the Estimate	1121748	796870

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1006

Cost data for Pole mounted Distribution Transformer Sub-station 200 KVA, 22/0.433 kv.

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	Dist.transformer 200kva,22/0.4kv	No.	1	438324.00	438324.00
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	22 kV Pin Insulators with G.I. Pins	No.	3	406.00	1218.00
8	Disc Insulator 11 KV 45 KN	No.	6	295.00	1770.00
9	Strain Hardware for 34 Sq.mm AAAC	No.	3	161.00	483.00
10	L.T.Dist.Boxes 200 KVA with MCCB	No.	1	31332.00	31332.00
11	L.A.s 22KV (Gapless type) with disconnecter	No.	1	2753.00	2753.00
12	H.T.Stay Set	No.	2	807.00	1614.00
13	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	16	72.00	1152.00
14	Earthing Sets H.T	No.	5	462.00	2310.00
15	22KV H.G.Fuses	Set	1	5628.00	5628.00
16	22KV A.B.Switch, 400 A	No.	1	18203.00	18203.00
17	Danger Board in yard.	No.	2	87.00	174.00
18	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
19	G.I.Barbed Wire 'A' type.	Kg.	10	80.00	800.00
20	Concreting ration 1:3:6	Cmt.	2.3	4328.00	9954.40
21	Painting of Supports & fabricated materials	LS	1	178.00	178.00
22	DTC Metring with Box, single core L.T. XLPE cable (185 sq.mm., 200 mtr length) and other allied material.	No.	1	32687.00	32687.00
23	Sundries	LS	1	886.00	886.00

Cost of material

596786.40

1	Erection cost on material	15.00%	89518
2	Contractor supervision charges on material	5.00%	29839
	Sub-Total		716144
3	Contractor's Profit	5.00%	35807
	Sub-Total		751951
4	Transportation on material	4.00%	23871
5	T&P on material cost	1.00%	5968
6	Contingencies on material	2.00%	11936
	Service Cost		1665034
	Sub-Total		793726
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1587
	Sub-Total		795313
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1988
9	Insurance	1.00%	7953
10	Turnkey Charges	0.00%	0

Total

805255

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1133536	805244
Total Cost of the Estimate	1133536	805244

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1007

22 KV ,315 KVA Dist. Transformer centers on 9 mtrs RSJ poles on plinth.

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	Dist. Transformer 315 KVA, 22/0.43 kv	No.	1	658797.00	658797.00
2	RSJ 116x100, 9 m long	No.	2	12493.00	24986.00
3	MS Channel 100x50x6 mm	Kg.	124	70.00	8680.00
4	M.S.Channel 75x40x6 mm	Kg.	100	70.00	7000.00
5	MS angle 50x50x6 mm	Kg.	86	70.00	6020.00
6	M.S. Flats(50 X 10mm)	Kg.	56	65.00	3640.00
7	22 kv Pin Insulators with G.I. Pins	No.	3	406.00	1218.00
8	Disc Insulator 11 KV 45 KN	No.	6	295.00	1770.00
9	Strain Hardware for 34 Sq.mm AAAC	No.	3	161.00	483.00
10	6 way feeder pillar with ACB	No.	1	85509.00	85509.00
11	L.A.s 22KV (Gapless type) with disconnecter	Set	1	2753.00	2753.00
12	H.T.Stay Set	No.	2	807.00	1614.00
13	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	16	72.00	1152.00
14	Earthing Sets H.T	No.	5	462.00	2310.00
15	22KV H.G.Fuses	Set	1	5628.00	5628.00
16	22KV A.B.Switch, 400 A	No.	1	18203.00	18203.00
17	Danger Board in yard.	No.	2	87.00	174.00
18	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
19	G.I.Barbed Wire 'A' type.	Kg.	10	80.00	800.00
20	Concreting ration 1:3:6	Cmt.	10.25	4328.00	44362.00
21	Painting of Supports & fabricated materials	LS	1	178.00	178.00
22	Sundries	LS	1	886.00	886.00
23	DTC Metring with Box, single core L.T. XLPE cable (300 sq.mm., 280 mtr length) and other allied material.	No.	1	42647.00	42647.00
24	Minor Fabrication, etc.				

922410.00

Cost of material

1	Erection cost on material	15.00%	138362
2	Contractor supervision charges on material	5.00%	46121
	Sub-Total		1106892
3	Contractor's Profit	5.00%	55345
	Sub-Total		1162237
4	Transportation on material	4.00%	36896
5	T&P on material cost	1.00%	9224
6	Contingencies on material	2.00%	18448
	Service Cost		2573524
	Sub-Total		1226805
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2454
	Sub-Total		1229259
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	3073
9	Insurance	1.00%	12293
10	Turnkey Charges	0.00%	0

Total

1244625

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1752026	1244608
Total Cost of the Estimate	1752026	1244608

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1008

Cost data for Pole mounted Distribution Transformer Sub-station 315 KVA, 22/0.433 kv.

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	Dist. Transformer 315 KVA, 22/0.43 kv	No.	1	658797.00	658797.00
2	RSJ 116x100, 11 m long	No.	2	15270.00	30540.00
3	MS Channel 100x50x6 mm	Kg.	124	70.00	8680.00
4	M.S.Channel 75x40x6 mm	Kg.	100	70.00	7000.00
5	MS angle 50x50x6 mm	Kg.	86	70.00	6020.00
6	M.S. Flats(50 X 10mm)	Kg.	56	65.00	3640.00
7	11 kV Pin Insulators with G.I. Pins	No.	3	120.00	360.00
8	Disc Insulator 11 KV 45 KN	No.	6	295.00	1770.00
9	Strain Hardware for 34 Sq.mm AAAC	No.	3	161.00	483.00
10	6 way feeder pillar with ACB	No.	1	85509.00	85509.00
11	L.A.s 22KV (Gapless type) with disconnecter	Set	1	2753.00	2753.00
12	H.T.Stay Set	No.	2	807.00	1614.00
13	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	16	72.00	1152.00
14	Earthing Sets H.T	No.	5	462.00	2310.00
15	22KV H.G.Fuses	Set	1	5628.00	5628.00
16	22KV A.B.Switch, 400 A	No.	1	18203.00	18203.00
17	Danger Board in yard.	No.	2	87.00	174.00
18	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
19	G.I.Barbed Wire 'A' type.	Kg.	10	80.00	800.00
20	Concreting ration 1:3:6	Cmt.	2.3	4328.00	9954.40
21	Painting of Supports & fabricated materials	LS	1	178.00	178.00
22	Sundries	LS	1	886.00	886.00
23	DTC Metring with Box, single core L.T. XLPE cable (300 sq.mm., 280 mtr length) and other allied material.	No.	1	42647.00	42647.00
24	Minor Fabrication, etc.				

892698.40

Cost of material

1	Erection cost on material	15.00%	133905
2	Contractor supervision charges on material	5.00%	44635
	Sub-Total		1071238
3	Contractor's Profit	5.00%	53562
	Sub-Total		1124800
4	Transportation on material	4.00%	35708
5	T&P on material cost	1.00%	8927
6	Contingencies on material	2.00%	17854
	Service Cost		2490629
	Sub-Total		1187289
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2375
	Sub-Total		1189663
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	2974
9	Insurance	1.00%	11897
10	Turnkey Charges	0.00%	0

Total

1204534

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1695591	1204518
Total Cost of the Estimate	1695591	1204518

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1009

Cost data for Plinth mounted Distribution Transformer Sub-station 630 KVA, 22/0.433 kv.

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	Dist. Transformer 630 KVA, 22/0.43 kv	No.	1	975946.00	975946.00
2	RSJ 116x100, 9 m long	No.	2	12493.00	24986.00
3	MS Channel 100x50x6 mm	Kg.	180	70.00	12600.00
4	M.S.Channel 75x40x6 mm	Kg.	150	70.00	10500.00
5	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
6	M.S. Flats(50 X 10mm)	Kg.	75	65.00	4875.00
7	22 kV Pin Insulators with G.I. Pins	No.	3	406.00	1218.00
8	Disc Insulator 11 KV 45 KN	No.	6	295.00	1770.00
9	Strain Hardware for 34 Sq.mm AAAC	No.	3	161.00	483.00
10	8 way feeder pillar with ACB	No.	1	88582.00	88582.00
11	L.A.s 22KV (Gapless type) with disconnector	Set	1	2753.00	2753.00
12	H.T.Stay Set	No.	2	807.00	1614.00
13	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	24	72.00	1728.00
14	Earthing Sets H.T	No.	5	462.00	2310.00
15	22KV H.G.Fuses	Set	1	5628.00	5628.00
16	22KV A.B.Switch, 400 A	No.	1	18203.00	18203.00
17	Danger Board in yard.	No.	2	87.00	174.00
18	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
19	G.I.Barbed Wire 'A' type.	Kg.	10	80.00	800.00
20	Concreting ration 1:3:6	Cmt.	10.25	4328.00	44362.00
21	Painting of Supports & fabricated materials	LS	1	178.00	178.00
22	Sundries	LS	1	886.00	886.00
23	DTC Metring with Box, single core L.T. XLPE cable (300 sq.mm., 320 mtr length) and other allied material for 630 KVA	No.	1	75468.00	75468.00

Cost of material

1285664.00

1	Erection cost on material	15.00%	192850
2	Contractor supervision charges on material	5.00%	64283
	Sub-Total		1542797
3	Contractor's Profit	5.00%	77140
	Sub-Total		1619937
4	Transportation on material	4.00%	51427
5	T&P on material cost	1.00%	12857
6	Contingencies on material	2.00%	25713
	Service Cost		3587003
	Sub-Total		1709933
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	3420
	Sub-Total		1713353
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	4283
9	Insurance	1.00%	17134
10	Turnkey Charges	0.00%	0

Total

1734770

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	2441990	1734746
Total Cost of the Estimate	2441990	1734746

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1010

Cost data for Pole mounted Distribution Transformer Sub-station 630 KVA, 22/0.433 kv.

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	Dist. Transformer 630 KVA, 22/0.43 kv	No.	1	975946.00	975946.00
2	RSJ 116x100, 11 m long	No.	2	15270.00	30540.00
3	MS Channel 100x50x6 mm	Kg.	180	70.00	12600.00
4	M.S.Channel 75x40x6 mm	Kg.	150	70.00	10500.00
5	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
6	M.S. Flats(50 X 10mm)	Kg.	75	65.00	4875.00
7	11 kV Pin Insulators with G.I. Pins	No.	3	120.00	360.00
8	Disc Insulator 11 KV 45 KN	No.	6	295.00	1770.00
9	Strain Hardware for 34 Sq.mm AAAC	No.	3	161.00	483.00
10	8 way feeder pillar with ACB	No.	1	88582.00	88582.00
11	L.A.s 22KV (Gapless type) with disconnector	Set	1	2753.00	2753.00
12	H.T.Stay Set	No.	2	807.00	1614.00
13	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	24	72.00	1728.00
14	Earthing Sets H.T	No.	5	462.00	2310.00
15	22KV H.G.Fuses	Set	1	5628.00	5628.00
16	22KV A.B.Switch, 400 A	No.	1	18203.00	18203.00
17	Danger Board in yard.	No.	2	87.00	174.00
18	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
19	G.I.Barbed Wire 'A' type.	Kg.	10	80.00	800.00
20	Concreting ration 1:3:6	Cmt.	3.5	4328.00	15148.00
21	Painting of Supports & fabricated materials	LS	1	178.00	178.00
22	Sundries	LS	1	886.00	886.00
23	DTC Metring with Box, single core L.T. XLPE cable (300 sq.mm., 320 mtr length) and other allied material for 630 KVA	No.	1	75468.00	75468.00

Cost of material

1261146.00

1	Erection cost on material	15.00%	189172
2	Contractor supervision charges on material	5.00%	63057
	Sub-Total		1513375
3	Contractor's Profit	5.00%	75669
	Sub-Total		1589044
4	Transportation on material	4.00%	50446
5	T&P on material cost	1.00%	12611
6	Contingencies on material	2.00%	25223
	Service Cost		3518597
	Sub-Total		1677324
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	3355
	Sub-Total		1680679
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	4202
9	Insurance	1.00%	16807
10	Turnkey Charges	0.00%	0

Total

1701687

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	2395421	1701664
Total Cost of the Estimate	2395421	1701664

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1015

22/0.4 KV ,63 KVA Dist. Transformer centers on RSJ pole 9 mtrs, with kitkat DB.

Sr.No.	Description	Unit	Qty.	Rate	Amount
1	Dist. transformer 63kva,22/0.4kv	No	1	208134.00	208134.00
2	RSJ 116x100, 9 m long	No	2	12493.00	24986.00
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	22 kV Pin Insulators with G.I. Pins	No	3	406.00	1218.00
8	Strain Hardware forWeasel/Squirrel	Set	3	225.00	675.00
9	L.T.Dist.Boxes 100 KVA with KITKAT	No	1	16331.00	16331.00
10	L.A.s 22KV (Gapless type) with disconnecter	No	1	2753.00	2753.00
11	H.T.Stay Set	Set	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	Set	7	462.00	3234.00
14	22KV H.G.Fuses	Set	1	5628.00	5628.00
15	22KV A.B.Switch, 400 A	Set	1	18203.00	18203.00
16	Danger Board in yard.	No	2	87.00	174.00
17	G.I.Wire 8 SWG/ 6 SWG	Kg.	25	72.00	1800.00
18	G.I.Barbed Wire 'A' type.	Kg.	15	80.00	1200.00
19	Painting/Hardware & support with numbering of pole	No	1	259.00	259.00
20	DTC Metring with Box, single core L.T. XLPE cable (35 sq.mm., 120 mtr length) and other allied material.	Set	1	16679.00	16679.00
21	Concreting ration 1:3:6	CMT.	2	4328.00	8656.00
22	Sundries	LS	1	886.00	886.00
Cost of Material					329024.00

1	Erection cost on material	15.00%	49354
2	Contractor supervision charges on material	5.00%	16451
	Sub-Total		394829
3	Contractor's Profit	5.00%	19741
	Sub-Total		414570
4	Transportation on material	4.00%	13161
5	T&P on material cost	1.00%	3290
6	Contingencies on material	2.00%	6580
	Service Cost		917977
	Sub-Total		437602
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	875
	Sub-Total		438477
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1096
9	Insurance	1.00%	4385
10	Turnkey Charges	0.00%	0
	Total		443958

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	624948	443952
Total Cost of the Estimate	624948	443952

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1016

22/0.4 KV ,100 KVA Dist. Transformer centers on RSJ pole 9 mtrs, with kitkat DB.

Sr.No	Description	Unit	Qty.	Rate	Amount
1	Dist.transformer 100kva,22/0.4kv	No	1	278273.00	278273.00
2	RSJ 116x100, 9 m long	No	2	12493.00	24986.00
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	22 kV Pin Insulators with G.I. Pins	No	3	406.00	1218.00
8	L.T.Dist.Boxes 100 KVA with KITKAT	No	1	16331.00	16331.00
9	L.A.s 22KV (Gapless type) with disconnector	Set	1	2753.00	2753.00
10	H.T.Stay Set	Set	4	807.00	3228.00
11	Earthing Sets H.T	Set	5	462.00	2310.00
12	22KV H.G.Fuses	Set	1	5628.00	5628.00
13	22KV A.B.Switch, 400 A	Set	1	18203.00	18203.00
14	Danger Board in yard.	No	2	87.00	174.00
15	Painting/Hardware & support with numbering of pole	LS	1	259.00	259.00
16	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
17	Concreting ration 1:3:6	CMT.	2	4328.00	8656.00
18	Sundries	LS	1	886.00	886.00

Cost of Material

395284.00

1	Erection cost on material	15.00%	59293
2	Contractor supervision charges on material	5.00%	19764
	Sub-Total		474341
3	Contractor's Profit	5.00%	23717
	Sub-Total		498058
4	Transportation on material	4.00%	15811
5	T&P on material cost	1.00%	3953
6	Contingencies on material	2.00%	7906
	Service Cost		1102842
	Sub-Total		525728
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1051
	Sub-Total		526779
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1317
9	Insurance	1.00%	5268
10	Turnkey Charges	0.00%	0

Total

533364

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	750802	533357
Total Cost of the Estimate	750802	533357

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1017

22/0.4 KV ,100 KVA Dist. Transformer centers on RSJ pole 11 mtrs, with kitkat DB.

Sr.No.	Description	Unit	Qty.	Rate	Amount
1	Dist.transformer 100kva,22/0.4kv	No	1	278273.00	278273.00
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	22 kV Pin Insulators with G.I. Pins	No	3	406.00	1218.00
8	Strain Hardware forWeasel/Squirrel	Set	3	225.00	675.00
9	L.T.Dist.Boxes 100 KVA with KITKAT	No	1	16331.00	16331.00
10	L.A.s 22KV (Gapless type) with disconnecter	No	1	2753.00	2753.00
11	H.T.Stay Set	Set	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	Set	7	462.00	3234.00
14	22KV H.G.Fuses	Set	1	5628.00	5628.00
15	22KV A.B.Switch, 400 A	Set	1	18203.00	18203.00
16	Danger Board in yard.	No	2	87.00	174.00
17	G.I.Wire 8 SWG/ 6 SWG	Kg.	25	72.00	1800.00
18	G.I.Barbed Wire 'A' type.	Kg.	15	80.00	1200.00
19	Painting/Hardware & support with numbering of pole	No	1	259.00	259.00
20	DTC Metring with Box, single core L.T. XLPE cable (70 sq.mm., 120 mtr length) and other allied material.	Set	1	19199.00	19199.00
21	Concreting riation 1:3:6	CMT.	2	4328.00	8656.00
22	Sundries	LS	1	886.00	886.00
Cost of Material					407237.00

1	Erection cost on material	15.00%	61086
2	Contractor supervision charges on material	5.00%	20362
	Sub-Total		488684
3	Contractor's Profit	5.00%	24434
	Sub-Total		513119
4	Transportation on material	4.00%	16289
5	T&P on material cost	1.00%	4072
6	Contingencies on material	2.00%	8145
	Service Cost		1136191
	Sub-Total		541625
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1083
	Sub-Total		542708
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour ccess)	0.25%	1357
9	Insurance	1.00%	5427
10	Turnkey Charges	0.00%	0
	Total		549492

Particulars	DPR Amount	Tender/ Estimate Amount
	Cost with overheads on Material	773506
Total Cost of the Estimate	773506	549485

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1101

Cost Data for Augumentation of Pole mounted Distribution Transformer Sub-station

22/0.433 KV 63 KVA, to

Sr.No	Description of Material	Unit	Qty.	RT/U.Rs.	Amount (Rs.)
1	Dist.transformer 100kva,22/0.4kv	No.	1	278273.00	278273.00
2	L.T.Dist.Boxes 100 KVA with MCCB	No.	1	17694.00	17694.00
3	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt	25	275.00	6875.00
4	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt	10	453.00	4530.00
5	Sundries	no	1	886.00	886.00

Cost of material

308258.00

1	Erection cost on material	15.00%	46239
2	Contractor supervision charges on material	5.00%	15413
	Sub-Total		369910
3	Contractor's Profit	5.00%	18495
	Sub-Total		388405
4	Transportation on material	4.00%	12330
5	T&P on material cost	1.00%	3083
6	Contingencies on material	2.00%	6165
	Service Cost		860040
	Sub-Total		409983
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	820
	Sub-Total		410803
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1027
9	Insurance	1.00%	4108
10	Turnkey Charges	0.00%	0

Total

415938

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	585505	415933
Total Cost of the Estimate	585505	415933

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1102

Cost Data for Augumentation of Pole mounted Distribution Transformer Sub-station 22/0.433 kv, 100 KVA to 22/0.433

Sr.No	Description of Material	Unit	Qty.	RT/U.Rs.	Amount (Rs.)
1	Dist.transformer 200kva,22/0.4kv	No.	1.00	438324.00	438324.00
2	L.T.Dist.Boxes 200 KVA with MCCB	No.	1.000	31332.00	31332.00
3	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt	25.00	453.00	11325.00
4	L.T. XLPE cable 3.5 Core 240 mm2	Rmt	10.00	865.00	8650.00
5	Sundries	LS	1.00	886.00	886.00

Cost of material

490517.00

1	Erection cost on material	15.00%	73578
2	Contractor supervision charges on material	5.00%	24526
	Sub-Total		588620
3	Contractor's Profit	5.00%	29431
	Sub-Total		618051
4	Transportation on material	4.00%	19621
5	T&P on material cost	1.00%	4905
6	Contingencies on material	2.00%	9810
	Service Cost		1368542
	Sub-Total		652388
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1305
	Sub-Total		653692
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1634
9	Insurance	1.00%	6537
10	Turnkey Charges	0.00%	0

Total

661864

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	931688	661855
Total Cost of the Estimate	931688	661855

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1103

Cost Data for Augumentation of Pole mounted Distribution Transformer Sub-station

Sr.No	Description of Material	Unit	Qty	RT/U Rs.	Amount (Rs.)
1	Dist. Transformer 315 KVA, 22/0.43 kv	No.	1	658797.00	658797.00
2	6 way feeder pillar with ACB	No.	1	85509.00	85509.00
3	L.T.XLPE Armoured 3.5 Core cable 120 sq.mm.	Rmt	25	453.00	11325.00
4	L.T. XLPE cable 3.5 Core 240 mm2	Rmt	10	865.00	8650.00
5	Sundries	LS	1	886.00	886.00

Cost of Material

765167.00

1	Erection cost on material	15.00%	114775
2	Contractor supervision charges on material	5.00%	38258
	Sub-Total		918200
3	Contractor's Profit	5.00%	45910
	Sub-Total		964110
4	Transportation on material	4.00%	30607
5	T&P on material cost	1.00%	7652
6	Contingencies on material	2.00%	15303
	Service Cost		2134816
	Sub-Total		1017672
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2035
	Sub-Total		1019707
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	2549
9	Insurance	1.00%	10197
10	Turnkey Charges	0.00%	0

Total

1032454

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1453358	1032440
Total Cost of the Estimate	1453358	1032440

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1104

Cost Data for Augumentation of Pole mounted Distribution Transformer Sub-station

Sr.No	Description of Material	Unit	Qty	RT/U Rs.	Amount (Rs.)
1	Dist. Transformer 315 KVA, 22/0.43 kv	No.	1	658797.00	658797.00
2	6 way feeder pillar with ACB	No.	1	85509.00	85509.00
3	L.T.XLPE Armoured 3.5 Core cable 120 sq.mm.	Rmt	25	453.00	11325.00
4	L.T. XLPE cable 3.5 Core 240 mm2	Rmt	10	865.00	8650.00
5	Sundries	LS	1	886.00	886.00

Cost of Material

765167.00

1	Erection cost on material	15.00%	114775
2	Contractor supervision charges on material	5.00%	38258
	Sub-Total		918200
3	Contractor's Profit	5.00%	45910
	Sub-Total		964110
4	Transportation on material	4.00%	30607
5	T&P on material cost	1.00%	7652
6	Contingencies on material	2.00%	15303
	Service Cost		2134816
	Sub-Total		1017672
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2035
	Sub-Total		1019707
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	2549
9	Insurance	1.00%	10197
10	Turnkey Charges	0.00%	0

Total

1032454

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1453358	1032440
Total Cost of the Estimate	1453358	1032440

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1105

Cost Data for Augumentation of Pole mounted Distribution Transformer Sub-station

Sr.No	Description of Material	Unit	Qty	RT/U Rs.	Amount (Rs.)
1	Dist. Transformer 630 KVA, 22/0.43 kv	No.	1	975946.00	975946.00
2	8 way feeder pillar with ACB	No.	1	88582.00	88582.00
3	L.T. XLPE cable 3.5 Core 300 mm2	Rmt	45	998.00	44910.00
4	Sundries	LS	1	886.00	886.00

Cost of Material

1110324.00

1	Erection cost on material	15.00%	166549
2	Contractor supervision charges on material	5.00%	55516
	Sub-Total		1332389
3	Contractor's Profit	5.00%	66619
	Sub-Total		1399008
4	Transportation on material	4.00%	44413
5	T&P on material cost	1.00%	11103
6	Contingencies on material	2.00%	22206
	Service Cost		3097804
	Sub-Total		1476731
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2953
	Sub-Total		1479684
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	3699
9	Insurance	1.00%	14797
10	Turnkey Charges	0.00%	0

Total

1498180

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	2108949	1498160
Total Cost of the Estimate	2108949	1498160

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1106

Cost Data for Augumentation of Pole mounted Distribution Transformer Sub-station

Sr.No	Description of Material	Unit	Qty	RT/U Rs.	Amount (Rs.)
1	Dist. Transformer 630 KVA, 22/0.43 kv	No.	1	975946.00	975946.00
2	8 way feeder pillar with ACB	No.	1	88582.00	88582.00
3	8 way feeder pillar with ACB	No.	1	88582.00	88582.00
4	L.T. XLPE cable 3.5 Core 300 mm2	Rmt	45	998.00	44910.00
5	Sundries	LS	1	886.00	886.00

Cost of Material

1198906.00

1	Erection cost on material	15.00%	179836
2	Contractor supervision charges on material	5.00%	59945
	Sub-Total		1438687
3	Contractor's Profit	5.00%	71934
	Sub-Total		1510622
4	Transportation on material	4.00%	47956
5	T&P on material cost	1.00%	11989
6	Contingencies on material	2.00%	23978
	Service Cost		3344948
	Sub-Total		1594545
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	3189
	Sub-Total		1597734
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	3994
9	Insurance	1.00%	15977
10	Turnkey Charges	0.00%	0

Total

1617706

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	2277202	1617684
Total Cost of the Estimate	2277202	1617684

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1107

Cost Data for Augumentation of Pole mounted Distribution Transformer Sub-station

Sr.No	Description of Material	Unit	Qty	RT/U Rs.	Amount (Rs.)
1	Dist. Transformer 630 KVA, 22/0.43 kv	No.	1	975946.00	975946.00
2	8 way feeder pillar with ACB	No.	1	88582.00	88582.00
3	8 way feeder pillar with ACB	No.	1	88582.00	88582.00
4	L.T. XLPE cable 3.5 Core 300 mm2	Rmt	45	998.00	44910.00
5	Sundries	LS	1	886.00	886.00

Cost of Material

1198906.00

1	Erection cost on material	15.00%	179836
2	Contractor supervision charges on material	5.00%	59945
	Sub-Total		1438687
3	Contractor's Profit	5.00%	71934
	Sub-Total		1510622
4	Transportation on material	4.00%	47956
5	T&P on material cost	1.00%	11989
6	Contingencies on material	2.00%	23978
	Service Cost		3344948
	Sub-Total		1594545
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	3189
	Sub-Total		1597734
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	3994
9	Insurance	1.00%	15977
10	Turnkey Charges	0.00%	0

Total

1617706

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	2277202	1617684
Total Cost of the Estimate	2277202	1617684

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1108

Cost Data for Augumentation of Pole mounted Distribution Transformer Sub-station 22/0.433 kv, 100/200/315 KVA to 22/0.433 kv, 630 KVA on plinth

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount (Rs.)
1	Dist. Transformer 630 KVA, 22/0.43 kv	No.	1	975946.00	975946.00
2	8 way feeder pillar with ACB	No.	1	88582.00	88582.00
3	L.T. XLPE cable 3.5 Core 300 mm2	Rmt	45	998.00	44910.00
4	Sundries	LS	1	886.00	886.00
5	22 KV Lightning Arrestors (Screw type)	Set	1	9853.00	9853.00
6	Earthing Replenishment for DTC	Set	1	14388.00	14388.00

Cost of Material

1134565.00

1	Erection cost on material	15.00%	170185
2	Contractor supervision charges on material	5.00%	56728
	Sub-Total		1361478
3	Contractor's Profit	5.00%	68074
	Sub-Total		1429552
4	Transportation on material	4.00%	45383
5	T&P on material cost	1.00%	11346
6	Contingencies on material	2.00%	22691
	Service Cost		3165436
	Sub-Total		1508971
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	3018
	Sub-Total		1511989
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	3780
9	Insurance	1.00%	15120
10	Turnkey Charges	0.00%	0

Total

1530889

Concreting ration 1:3:6

10.25

4328.00

44362

Total Cost of Estimate

1575251

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	2154993	1530869
Concreting ration 1:3:6	44362	44362
Total Cost of the Estimate	2199355	1575231

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1109

Cost Data for Augumentation of Pole mounted Distribution Transformer Sub-station 22/0.433 kv, 100 KVA to 22/0.433

Sr.No	Description of Material	Unit	Qty.	RT/U.Rs.	Amount (Rs.)
1	Dist.transformer 200kva,22/0.4kv	No.	1.00	438324.00	438324.00
2	L.T.Dist.Boxes 200 KVA with KitKat	No.	1.00	32292.00	32292.00
3	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt	25.00	453.00	11325.00
4	L.T. XLPE cable 3.5 Core 240 mm2	Rmt	10.00	865.00	8650.00
5	Sundries	LS	1.00	886.00	886.00

Cost of material

491477.00

1	Erection cost on material	15.00%	73722
2	Contractor supervision charges on material	5.00%	24574
	Sub-Total		589772
3	Contractor's Profit	5.00%	29489
	Sub-Total		619261
4	Transportation on material	4.00%	19659
5	T&P on material cost	1.00%	4915
6	Contingencies on material	2.00%	9830
	Service Cost		1371221
	Sub-Total		653664
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1307
	Sub-Total		654972
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1637
9	Insurance	1.00%	6550
10	Turnkey Charges	0.00%	0

Total

663159

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	933511	663150
Total Cost of the Estimate	933511	663150

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1201

POLE MOUNTED DISTRIBUTION TRANSFORMER SUB-STATION, 25 KVA, 11/0.433 KV ON RSJ POLE with MCCB Dist.Box

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	11 / .433 KV 25 KVA Transformer	No.	1	64780.00	64780.00
2	RSJ 116x100, 9 m long	No	2	12493.00	24986.00
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 25/63 KVA with MCCB	No.	1	15522.00	15522.00
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	DTC Metring with Box, single core L.T. XLPE cable (16 sq.mm., 120 mtr length) and other allied material.	No.	1	13439.00	13439.00
21	Sundries	L.S.	1	886.00	886.00

Cost of material

168414.00

1	Erection cost on material	15.00%	25262
2	Contractor supervision charges on material	5.00%	8421
	Sub-Total		202097
3	Contractor's Profit	5.00%	10105
	Sub-Total		212202
4	Transportation on material	4.00%	6737
5	T&P on material cost	1.00%	1684
6	Contingencies on material	2.00%	3368
	Service Cost		469875
	Sub-Total		223991
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	448
	Sub-Total		224439
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	561
9	Insurance	1.00%	2244
10	Turnkey Charges	0.00%	0

Total

227244

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	319886	227241
Total Cost of the Estimate	319886	227241

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1202

POLE MOUNTED DISTRIBUTION TRANSFORMER SUB-STATION 63KVA, 11/0.433 KV ON 9 mtr RSJ POLE

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	Dist. transformer 63kva,11/.4kv	No.	1	109925.00	109925.00
2	RSJ 116x100, 9 m long	No	2	12493.00	24986.00
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 25/63 KVA with MCCB	No.	1	15522.00	15522.00
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	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
21	Sundries	L.S.	1	886.00	886.00

Cost of material

216799.00

1	Erection cost on material	15.00%	32520
2	Contractor supervision charges on material	5.00%	10840
	Sub-Total		260159
3	Contractor's Profit	5.00%	13008
	Sub-Total		273167
4	Transportation on material	4.00%	8672
5	T&P on material cost	1.00%	2168
6	Contingencies on material	2.00%	4336
	Service Cost		604869
	Sub-Total		288343
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	577
	Sub-Total		288919
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	722
9	Insurance	1.00%	2889
10	Turnkey Charges	0.00%	0

Total

292531

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	411788	292527
Total Cost of the Estimate	411788	292527

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

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	143782.00	143782.00
2	RSJ 116x100, 9 m long	No	2	12493.00	24986.00
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

255348.00

1	Erection cost on material	15.00%	38302
2	Contractor supervision charges on material	5.00%	12767
	Sub-Total		306418
3	Contractor's Profit	5.00%	15321
	Sub-Total		321738
4	Transportation on material	4.00%	10214
5	T&P on material cost	1.00%	2553
6	Contingencies on material	2.00%	5107
	Service Cost		712421
	Sub-Total		339613
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	679
	Sub-Total		340292
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	851
9	Insurance	1.00%	3403
10	Turnkey Charges	0.00%	0

Total

344546

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	485008	344541
Total Cost of the Estimate	485008	344541

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1204

11 KV ,200 KVA Dist. Transformer centers on 100x116mm, 9 mtrs RSJ poles with MCCB Dist box.

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	Dist. Transformer 200 KVA, 11/0.43 kv	No.	1	258752.00	258752.00
2	RSJ 116x100, 9 m long	No.	2	12493.00	24986.00
3	MS Channel 100x50x6 mm	Kg.	124	70.00	8680.00
4	M.S.Channel 75x40x6 mm	Kg.	100	70.00	7000.00
5	MS angle 50x50x6 mm	Kg.	86	70.00	6020.00
6	M.S. Flats(50 X 10mm)	Kg.	56	65.00	3640.00
7	11 kV Pin Insulators with G.I. Pins	No.	3	120.00	360.00
8	Disc Insulator 11 KV 45 KN	No.	3	295.00	885.00
9	Strain Hardware for 34 Sq.mm AAAC	No.	3	161.00	483.00
10	L.T.Dist.Boxes 200 KVA with MCCB	No.	1	31332.00	31332.00
11	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
12	H.T.Stay Set	No.	2	807.00	1614.00
13	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	16	72.00	1152.00
14	Earthing Sets H.T	No.	5	462.00	2310.00
15	11KV H.G.Fuses	Set	1	2475.00	2475.00
16	11KV A.B. Switch, 400 A	No.	1	11642.00	11642.00
17	Danger Board in yard.	No.	2	87.00	174.00
18	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
19	G.I.Barbed Wire 'A' type.	Kg.	10	80.00	800.00
20	Concreting ration 1:3:6	Cmt.	2.3	4328.00	9954.40
21	Painting of Supports & fabricated materials	LS	2	178.00	356.00
22	Sundries	LS	1	886.00	886.00
23	DTC Metring with Box, single core L.T. XLPE cable (185 sq.mm., 200 mtr length) and other allied material.	No.	1	32687.00	32687.00
	Minor Fabrication, etc.				

Cost of material

411319.40

1	Erection cost on material	15.00%	61698
2	Contractor supervision charges on material	5.00%	20566
	Sub-Total		493583
3	Contractor's Profit	5.00%	24679
	Sub-Total		518262
4	Transportation on material	4.00%	16453
5	T&P on material cost	1.00%	4113
6	Contingencies on material	2.00%	8226
	Service Cost		1147581
	Sub-Total		547055
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1094
	Sub-Total		548149
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1370
9	Insurance	1.00%	5481
10	Turnkey Charges	0.00%	0

Total

555001

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	781260	554993
Total Cost of the Estimate	781260	554993

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1205

Cost data for Pole mounted Distribution Transformer Sub-station 200 KVA, 11/0.433 kv.

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	Dist. Transformer 200 KVA, 11/0.43 kv	No.	1	258752.00	258752.00
2	RSJ 116x100, 11 m long	No.	2	15270.00	30540.00
3	MS Channel 100x50x6 mm	Kg.	124	70.00	8680.00
4	M.S.Channel 75x40x6 mm	Kg.	100	70.00	7000.00
5	MS angle 50x50x6 mm	Kg.	86	70.00	6020.00
6	M.S. Flats(50 X 10mm)	Kg.	56	65.00	3640.00
7	11 kV Pin Insulators with G.I. Pins	No.	3	120.00	360.00
8	Disc Insulator 11 KV 45 KN	No.	3	295.00	885.00
9	Strain Hardware for 34 Sq.mm AAAC	No.	3	161.00	483.00
10	L.T.Dist.Boxes 200 KVA with MCCB	No.	1	31332.00	31332.00
11	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
12	H.T.Stay Set	No.	2	807.00	1614.00
13	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	16	72.00	1152.00
14	Earthing Sets H.T	No.	5	462.00	2310.00
15	11KV H.G.Fuses	Set	1	2475.00	2475.00
16	11KV A.B. Switch, 400 A	No.	1	11642.00	11642.00
17	Danger Board in yard.	No.	2	87.00	174.00
18	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
19	G.I.Barbed Wire 'A' type.	Kg.	10	80.00	800.00
20	Concreting ration 1:3:6	Cmt.	2.3	4328.00	9954.40
21	Painting of Supports & fabricated materials	LS	1	178.00	178.00
22	Sundries	LS	1	886.00	886.00
23	DTC Metring with Box, single core L.T. XLPE cable (185 sq.mm., 200 mtr length) and other allied material.	No.	1	32687.00	32687.00
	Minor Fabrication, etc.				
	Cost of material				416695.40

1	Erection cost on material	15.00%	62504
2	Contractor supervision charges on material	5.00%	20835
	Sub-Total		500034
3	Contractor's Profit	5.00%	25002
	Sub-Total		525036
4	Transportation on material	4.00%	16668
5	T&P on material cost	1.00%	4167
6	Contingencies on material	2.00%	8334
	Service Cost		1162580
	Sub-Total		554205
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1108
	Sub-Total		555313
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1388
9	Insurance	1.00%	5553
10	Turnkey Charges	0.00%	0

Total

562255

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	791471	562247
Total Cost of the Estimate	791471	562247

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1206

Cost data for Pole mounted Distribution Transformer Sub-station 315 KVA, 11/0.433 kv.

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	Dist. Transformer 315 KVA, 11/0.43 kv	No.	1	620477.00	620477.00
2	RSJ 116x100, 11 m long	No.	2	15270.00	30540.00
3	MS Channel 100x50x6 mm	Kg.	124	70.00	8680.00
4	M.S.Channel 75x40x6 mm	Kg.	100	70.00	7000.00
5	MS angle 50x50x6 mm	Kg.	86	70.00	6020.00
6	M.S. Flats(50 X 10mm)	Kg.	56	65.00	3640.00
7	11 kV Pin Insulators with G.I. Pins	No.	3	120.00	360.00
8	Disc Insulator 11 KV 45 KN	No.	3	295.00	885.00
9	Strain Hardware for 34 Sq.mm AAAC	No.	3	161.00	483.00
10	6 way feeder pillar with ACB	No.	1	85509.00	85509.00
11	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
12	H.T.Stay Set	No.	2	807.00	1614.00
13	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	16	72.00	1152.00
14	Earthing Sets H.T	No.	5	462.00	2310.00
15	11KV H.G.Fuses	Set	1	2475.00	2475.00
16	11KV A.B. Switch, 400 A	No.	1	11642.00	11642.00
17	Danger Board in yard.	No.	2	87.00	174.00
18	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
19	G.I.Barbed Wire 'A' type.	Kg.	10	80.00	800.00
20	Concreting ration 1:3:6	Cmt.	2.3	4328.00	9954.40
21	Painting of Supports & fabricated materials	LS	2	178.00	356.00
22	Sundries	LS	1	886.00	886.00
23	DTC Metring with Box, single core L.T. XLPE cable (300 sq.mm., 280 mtr length) and other allied material.	No.	1	42647.00	42647.00
	Minor Fabrication, etc.				
	Cost of material				842735.40

1	Erection cost on material	15.00%	126410
2	Contractor supervision charges on material	5.00%	42137
	Sub-Total		1011282
3	Contractor's Profit	5.00%	50564
	Sub-Total		1061847
4	Transportation on material	4.00%	33709
5	T&P on material cost	1.00%	8427
6	Contingencies on material	2.00%	16855
	Service Cost		2351232
	Sub-Total		1120838
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2242
	Sub-Total		1123080
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	2808
9	Insurance	1.00%	11231
10	Turnkey Charges	0.00%	0

Total

1137118

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1600692	1137103
Total Cost of the Estimate	1600692	1137103

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1207

Cost data for Pole mounted Distribution Transformer Sub-station 315 KVA, 11/0.433 kv.

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	Dist. Transformer 315 KVA, 11/0.43 kv	No.	1	620477.00	620477.00
2	RSJ 116x100, 11 m long	No.	2	15270.00	30540.00
3	MS Channel 100x50x6 mm	Kg.	124	70.00	8680.00
4	M.S.Channel 75x40x6 mm	Kg.	100	70.00	7000.00
5	MS angle 50x50x6 mm	Kg.	86	70.00	6020.00
6	M.S. Flats(50 X 10mm)	Kg.	56	65.00	3640.00
7	11 kV Pin Insulators with G.I. Pins	No.	3	120.00	360.00
8	Disc Insulator 11 KV 45 KN	No.	3	295.00	885.00
9	Strain Hardware for 34 Sq.mm AAAC	No.	3	161.00	483.00
10	6 way feeder pillar with ACB	No.	1	85509.00	85509.00
11	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
12	H.T.Stay Set	No.	2	807.00	1614.00
13	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	16	72.00	1152.00
14	Earthing Sets H.T	No.	5	462.00	2310.00
15	11KV H.G.Fuses	Set	1	2475.00	2475.00
16	11KV A.B. Switch, 400 A	No.	1	11642.00	11642.00
17	Danger Board in yard.	No.	2	87.00	174.00
18	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
19	G.I.Barbed Wire 'A' type.	Kg.	10	80.00	800.00
20	Concreting ration 1:3:6	Cmt.	2.3	4328.00	9954.40
21	Painting of Supports & fabricated materials	LS	1	178.00	178.00
22	Sundries	LS	1	886.00	886.00
23	DTC Metring with Box, single core L.T. XLPE cable (300 sq.mm., 280 mtr length) and other allied material.	No.	1	42647.00	42647.00
	Minor Fabrication, etc.				

Cost of material

842557.40

1	Erection cost on material	15.00%	126384
2	Contractor supervision charges on material	5.00%	42128
	Sub-Total		1011069
3	Contractor's Profit	5.00%	50553
	Sub-Total		1061622
4	Transportation on material	4.00%	33702
5	T&P on material cost	1.00%	8426
6	Contingencies on material	2.00%	16851
	Service Cost		2350735
	Sub-Total		1120601
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2241
	Sub-Total		1122843
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	2807
9	Insurance	1.00%	11228
10	Turnkey Charges	0.00%	0

Total

1136878

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1600354	1136863
Total Cost of the Estimate	1600354	1136863

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1208

Cost data for Plinth mounted Distribution Transformer Sub-station 630 KVA, 11/0.433 kv.

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	Dist. Transformer 630 KVA, 11/0.43 kv	No.	1	886267.00	886267.00
2	RSJ 116x100, 9 m long	No.	2	12493.00	24986.00
3	MS Channel 100x50x6 mm	Kg.	180	70.00	12600.00
4	M.S.Channel 75x40x6 mm	Kg.	150	70.00	10500.00
5	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
6	M.S. Flats(50 X 10mm)	Kg.	75	65.00	4875.00
7	11 kV Pin Insulators with G.I. Pins	No.	3	120.00	360.00
8	Disc Insulator 11 KV 45 KN	No.	6	295.00	1770.00
9	Strain Hardware for 34 Sq.mm AAAC	No.	3	161.00	483.00
10	8 way feeder pillar with ACB	No.	1	88582.00	88582.00
11	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
12	H.T.Stay Set	No.	2	807.00	1614.00
13	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	24	72.00	1728.00
14	Earthing Sets H.T	No.	5	462.00	2310.00
15	11KV H.G.Fuses	Set	1	2475.00	2475.00
	11KV A.B. Switch, 400 A	No	1	11642.00	11642.00
17	Danger Board in yard.	No.	2	87.00	174.00
18	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
19	G.I.Barbed Wire 'A' type.	Kg.	10	80.00	800.00
20	Concreting ration 1:3:6	Cmt.	10.25	4328.00	44362.00
21	Painting of Supports & fabricated materials	LS	1	178.00	178.00
22	Sundries	LS	1	886.00	886.00
23	DTC Metring with Box, single core L.T. XLPE cable (300 sq.mm., 320 mtr length) and other allied material for 630 KVA	No.	1	75468.00	75468.00

Cost of material

1184191.00

1	Erection cost on material	15.00%	177629
2	Contractor supervision charges on material	5.00%	59210
	Sub-Total		1421029
3	Contractor's Profit	5.00%	71051
	Sub-Total		1492081
4	Transportation on material	4.00%	47368
5	T&P on material cost	1.00%	11842
6	Contingencies on material	2.00%	23684
	Service Cost		3303893
	Sub-Total		1574974
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	3150
	Sub-Total		1578124
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	3945
9	Insurance	1.00%	15781
10	Turnkey Charges	0.00%	0

Total

1597851

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	2249252	1597829
Total Cost of the Estimate	2249252	1597829

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1212

11 KV ,63 KVA Dist. Transformer centers on 9 mtrs 100 X 116 mm RSJ poles with Kit-kat Dist box.

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	Dist. transformer 63kva,11/.4kv	No.	1	109925.00	109925.00
2	RSJ 116x100, 9 m long	No.	2	12493.00	24986.00
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 25/63 KVA with KITKAT	No.	1	14904.00	14904.00
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.	2	259.00	518.00
20	Sundries	L.S.	1	886.00	886.00
21	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

216440.00

1	Erection cost on material	15.00%	32466
2	Contractor supervision charges on material	5.00%	10822
	Sub-Total		259728
3	Contractor's Profit	5.00%	12986
	Sub-Total		272714
4	Transportation on material	4.00%	8658
5	T&P on material cost	1.00%	2164
6	Contingencies on material	2.00%	4329
	Service Cost		603868
	Sub-Total		287865
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	576
	Sub-Total		288441
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	721
9	Insurance	1.00%	2884
10	Turnkey Charges	0.00%	0

Total

292046

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	411106	292042
Total Cost of the Estimate	411106	292042

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1213

11 KV ,100 KVA Dist. Transformer centers on 9 mtrs 100 X 116 mm RSJ poles with Kit-kat Dist box.

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, 9 m long	No.	2	12493.00	24986.00
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 KITKAT	No.	1	16331.00	16331.00
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.	2	259.00	518.00
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

254244.00

1	Erection cost on material	15.00%	38137
2	Contractor supervision charges on material	5.00%	12712
	Sub-Total		305093
3	Contractor's Profit	5.00%	15255
	Sub-Total		320347
4	Transportation on material	4.00%	10170
5	T&P on material cost	1.00%	2542
6	Contingencies on material	2.00%	5085
	Service Cost		709341
	Sub-Total		338145
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	676
	Sub-Total		338821
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	847
9	Insurance	1.00%	3388
10	Turnkey Charges	0.00%	0

Total

343056

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	482911	343051
Total Cost of the Estimate	482911	343051

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1214

Cost data for Pole mounted Distribution Transformer Sub-station 315 KVA, 11/0.433 kv.

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	Dist. Transformer 315 KVA, 11/0.43 kv	No.	1	620477.00	620477.00
2	RSJ 116x100, 9 m long	No.	2	12493.00	24986.00
3	G.I.Channel 100x50x6mm	Kg.	124	95.00	11780.00
4	G.I.Channel 75x40x6mm	Kg.	100	95.00	9500.00
5	G.I.Angle 50x50x6mm	Kg.	86	95.00	8170.00
6	G.I.Flat 50x10 mm	Kg.	56	90.00	5040.00
7	11 kV Pin Insulators with G.I. Pins	No.	3	120.00	360.00
8	Disc Insulator 11 KV 45 KN	No.	3	295.00	885.00
9	Strain Hardware forWeasel/Squirrel	No.	3	225.00	675.00
10	6 way feeder pillar with ACB	No.	1	85509.00	85509.00
11	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
12	H.T.Stay Set	No.	2	807.00	1614.00
13	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	16	72.00	1152.00
14	Earthing Sets H.T	No.	5	462.00	2310.00
15	11KV H.G.Fuses	Set	1	2475.00	2475.00
16	11KV A.B. Switch, 400 A	No.	1	11642.00	11642.00
17	Danger Board in yard.	No.	2	87.00	174.00
18	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
19	G.I.Barbed Wire 'A' type.	Kg.	10	80.00	800.00
20	Concreting ration 1:3:6	Cmt.	2.3	4328.00	9954.40
21	Painting of Supports & fabricated materials	LS	1	178.00	178.00
22	Sundries	LS	1	886.00	886.00
23	DTC Metring with Box, single core L.T. XLPE cable (300 sq.mm., 280 mtr length) and other allied material.	No.	1	42647.00	42647.00

Cost of Material

846345.40

1	Erection cost on material	15.00%	126952
2	Contractor supervision charges on material	5.00%	42317
	Sub-Total		1015614
3	Contractor's Profit	5.00%	50781
	Sub-Total		1066395
4	Transportation on material	4.00%	33854
5	T&P on material cost	1.00%	8463
6	Contingencies on material	2.00%	16927
	Service Cost		2361304
	Sub-Total		1125639
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2251
	Sub-Total		1127891
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	2820
9	Insurance	1.00%	11279
10	Turnkey Charges	0.00%	0
	Total		1141989

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1607548	1141974
Total Cost of the Estimate	1607548	1141974

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1215

POLE MOUNTED DISTRIBUTION TRANSFORMER SUB-STATION 63KVA, 11/0.433 KV ON 11 mtr RSJ POLE

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	Dist. transformer 63kva, 11/.4kv	No.	1	109925.00	109925.00
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 25/63 KVA with MCCB	No.	1	15522.00	15522.00
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	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
21	Sundries	L.S.	1	886.00	886.00

Cost of material

222353.00

1	Erection cost on material	15.00%	33353
2	Contractor supervision charges on material	5.00%	11118
	Sub-Total		266824
3	Contractor's Profit	5.00%	13341
	Sub-Total		280165
4	Transportation on material	4.00%	8894
5	T&P on material cost	1.00%	2224
6	Contingencies on material	2.00%	4447
	Service Cost		620365
	Sub-Total		295729
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	591
	Sub-Total		296321
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	741
9	Insurance	1.00%	2963
10	Turnkey Charges	0.00%	0

Total

300025

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	422337	300021
Total Cost of the Estimate	422337	300021

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1216

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

1	Erection cost on material	15.00%	39135
2	Contractor supervision charges on material	5.00%	13045
	Sub-Total		313082
3	Contractor's Profit	5.00%	15654
	Sub-Total		328737
4	Transportation on material	4.00%	10436
5	T&P on material cost	1.00%	2609
6	Contingencies on material	2.00%	5218
	Service Cost		727917
	Sub-Total		347000
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	694
	Sub-Total		347694
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	869
9	Insurance	1.00%	3477
10	Turnkey Charges	0.00%	0

Total

352040

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	495557	352035
Total Cost of the Estimate	495557	352035

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1217

11/0.4 KV ,25 KVA Dist. Transformer centers on RSJ , 100 X 116 mm, 11 mtr with MCCB Dist box.

Sr.No	Description	Unit	Qty.	Rate	Amount
1	11 / .433 KV 25 KVA Transformer	No	1	64780.00	64780.00
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	80	70.00	5600.00
5	MS angle 50x50x6 mm	Kg	60	70.00	4200.00
6	M.S. Flats(50 X 10mm)	Kg	24	65.00	1560.00
7	11 kV Pin Insulators with G.I. Pins	No	3	120.00	360.00
8	Disc Insulator 11 KV 45 KN	No	3	295.00	885.00
9	Strain Hardware forWeasel/Squirrel	Set	3	225.00	675.00
10	L.T.Dist.Boxes 25/63 KVA with MCCB	No	1	15522.00	15522.00
11	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
12	H.T.Stay Set	Set	2	807.00	1614.00
13	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	16	72.00	1152.00
14	Earthing Sets H.T	Set	5	462.00	2310.00
15	11KV H.G.Fuses	Set	1	2475.00	2475.00
16	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
17	Danger Board in yard.	No	2	87.00	174.00
18	G.I.Strip (25 X 3 mm)	Kg	40	90.00	3600.00
19	G.I.Barbed Wire 'A' type.	Kg.	10	80.00	800.00
20	DTC Metring with Box, single core L.T. XLPE cable (16 sq.mm., 120 mtr length) and other allied material.	No	1	13439.00	13439.00
21	Painting of Supports & fabricated materials	LS	1	178.00	178.00
22	Sundries	LS	1	886.00	886.00

Cost of material

170923.00

1	Erection cost on material	15.00%	25638
2	Contractor supervision charges on material	5.00%	8546
	Sub-Total		205108
3	Contractor's Profit	5.00%	10255
	Sub-Total		215363
4	Transportation on material	4.00%	6837
5	T&P on material cost	1.00%	1709
6	Contingencies on material	2.00%	3418
	Service Cost		476875
	Sub-Total		227328
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	455
	Sub-Total		227782
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	569
9	Insurance	1.00%	2278
10	Turnkey Charges	0.00%	0

Total

230630

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	324651	230626
Total Cost of the Estimate	324651	230626

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1218

11/0.4 KV ,25 KVA Dist. Transformer centers on RSJ , 100 X 116 mm, 9 mtr with Kitkat Dist box.

Sr.No	Description	Unit	Qty.	Rate	Amount
1	11 / .433 KV 25 KVA Transformer	No	1	64780.00	64780.00
2	RSJ 116x100, 9 m long	No	2	12493.00	24986.00
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	L.T.Dist.Boxes 25/63 KVA with KITKAT	No	1	14904.00	14904.00
9	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
10	H.T.Stay Set	Set	4	807.00	3228.00
11	Earthing Sets H.T	Set	5	462.00	2310.00
12	11KV H.G.Fuses	Set	1	2475.00	2475.00
13	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
14	Danger Board in yard.	No	2	87.00	174.00
15	Painting/Hardware & support with numbering of pole	LS	1	259.00	259.00
16	DTC Metring with Box, single core L.T. XLPE cable (16 sq.mm., 120 mtr length) and other allied material.	No	1	13439.00	13439.00
17	Sundries	LS	1	886.00	886.00

Cost of Material

154154.00

1	Erection cost on material	15.00%	23123
2	Contractor supervision charges on material	5.00%	7708
	Sub-Total		184985
3	Contractor's Profit	5.00%	9249
	Sub-Total		194234
4	Transportation on material	4.00%	6166
5	T&P on material cost	1.00%	1542
6	Contingencies on material	2.00%	3083
	Service Cost		430090
	Sub-Total		205025
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	410
	Sub-Total		205435
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	514
9	Insurance	1.00%	2054
10	Turnkey Charges	0.00%	0

Total

208003

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	292800	208000
Total Cost of the Estimate	292800	208000

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1219

11/0.4 KV ,63 KVA Dist. Transformer centers on RSJ , 100 X 116 mm, 11 mtr with Kitkat Dist box.

Sr.No	Description	Unit	Qty.	Rate	Amount
1	Dist. transformer 63kva,11/.4kv	No	1	109925.00	109925.00
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	L.T.Dist.Boxes 100 KVA with KITKAT	No	1	16331.00	16331.00
9	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
10	H.T.Stay Set	Set	4	807.00	3228.00
11	Earthing Sets H.T	Set	5	462.00	2310.00
12	11KV H.G.Fuses	Set	1	2475.00	2475.00
13	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
14	Danger Board in yard.	No	2	87.00	174.00
15	Painting/Hardware & support with numbering of pole	LS	1	259.00	259.00
16	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
17	Sundries	LS	1	886.00	886.00
	Cost of Material				209520.00

1	Erection cost on material	15.00%	31428
2	Contractor supervision charges on material	5.00%	10476
	Sub-Total		251424
3	Contractor's Profit	5.00%	12571
	Sub-Total		263995
4	Transportation on material	4.00%	8381
5	T&P on material cost	1.00%	2095
6	Contingencies on material	2.00%	4190
	Service Cost		584561
	Sub-Total		278662
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	557
	Sub-Total		279219
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	698
9	Insurance	1.00%	2792
10	Turnkey Charges	0.00%	0

Total

282709

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	397962	282705
Total Cost of the Estimate	397962	282705

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1220

11/0.4 KV ,100 KVA Dist. Transformer centers on RSJ , 100 X 116 mm, 11 mtr with Kitkat Dist box.

Sr.No	Description	Unit	Qty.	Rate	Amount
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	L.T.Dist.Boxes 100 KVA with KITKAT	No	1	16331.00	16331.00
9	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
10	H.T.Stay Set	Set	4	807.00	3228.00
11	Earthing Sets H.T	Set	5	462.00	2310.00
12	11KV H.G.Fuses	Set	1	2475.00	2475.00
13	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
14	Danger Board in yard.	No	2	87.00	174.00
15	Painting/Hardware & support with numbering of pole	LS	1	259.00	259.00
16	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
17	Sundries	LS	1	886.00	886.00
	Cost of Material				245897.00

1	Erection cost on material	15.00%	36885
2	Contractor supervision charges on material	5.00%	12295
	Sub-Total		295076
3	Contractor's Profit	5.00%	14754
	Sub-Total		309830
4	Transportation on material	4.00%	9836
5	T&P on material cost	1.00%	2459
6	Contingencies on material	2.00%	4918
	Service Cost		686053
	Sub-Total		327043
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	654
	Sub-Total		327697
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	819
9	Insurance	1.00%	3277
10	Turnkey Charges	0.00%	0

Total

331793

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	467057	331789
Total Cost of the Estimate	467057	331789

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1221

Cost Data for 11/0.44 DTC new 1 X 630 KVA, Indoor type DTC with RMU

Sr.No	Particulars	Unit	Qty	Rate	Amount
1	Dist. Transformer 630 KVA, 11/0.43 kv	No.	1	886267.00	886267.00
2	11 kV SF6, Motorized, SCADA Compatible RMU 2 Iso + 1 Br	No.	1	482656.00	482656.00
3	XLPE Cable 11 KV, 3 C / 95 mm sq.	Rmt	15	815.00	12225.00
4	11 kV heat shrinkable Indoor termination joint kit for 3 C X 95 sqmm	No.	2	1216.00	2432.00
5	8 way feeder pillar with ACB	No.	1	88582.00	88582.00
6	Earthing with GI pipe	L.S.	4	393.00	1572.00
7	Earthing with GI plate	L.S.	4	2292.00	9168.00
8	DTC Metring with Box, single core L.T. XLPE cable (300 sq.mm., 320 mtr length) and other allied material for 630 KVA	No.	1	75468.00	75468.00
9	Sundries	L.S.	1	886.00	886.00
Cost of Material					1559256.00

1	Erection cost on material	15.00%	233888		
2	Contractor supervision charges on material	5.00%	77963		
Sub-Total			1871107		
3	Contractor's Profit	5.00%	93555		
Sub-Total			1964663		
4	Transportation on material	4.00%	62370		
5	T&P on material cost	1.00%	15593		
6	Contingencies on material	2.00%	31185		
Service Cost			4350324		
Sub-Total			2073810		
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	4148		
Sub-Total			2077958		
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	5195		
9	Insurance	1.00%	20780		
10	Turnkey Charges	0.00%	0		
Total			2103933		
9	Civil Works 20 Sq. Mtr	LS	1	406990.00	406990
Total Cost of Estimate					2510923

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	2961651	2103904
Civil Works 20 Sq. Mtr	553506	406990
Total Cost of the Estimate	3515157	2510894

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1222

Cost Data for 11/0.44 DTC new 2 X 630 KVA, Indoor type DTC with RMU

Sr.No	Particulars	Unit	Qty	Rate	Amount
1	Dist. Transformer 630 KVA, 11/0.43 kv	No.	2	886267.00	1772534.00
2	11 kV SF6, Motorized, SCADA Compatible RMU 2 Iso + 1 Br	No.	1	482656.00	482656.00
3	XLPE Cable 11 KV, 3 C / 95 mm sq.	Rmt	30	815.00	24450.00
4	11 kV heat shrinkable Indoor termination joint kit for 3 C X 95 sqmm	No.	4	1216.00	4864.00
5	8 way feeder pillar with ACB	No.	2	88582.00	177164.00
6	Earthing with GI pipe	L.S.	8	393.00	3144.00
7	Earthing with GI plate	L.S.	8	2292.00	18336.00
8	DTC Metring with Box, single core L.T. XLPE cable (300 sq.mm., 320 mtr length) and other allied material for 630 KVA	No.	2	75468.00	150936.00
9	Sundries	L.S.	2	886.00	1772.00
Cost of Material					2635856.00

1	Erection cost on material	15.00%	395378		
2	Contractor supervision charges on material	5.00%	131793		
Sub-Total			3163027		
3	Contractor's Profit	5.00%	158151		
Sub-Total			3321179		
4	Transportation on material	4.00%	105434		
5	T&P on material cost	1.00%	26359		
6	Contingencies on material	2.00%	52717		
Service Cost			7354038		
Sub-Total			3505688		
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	7011		
Sub-Total			3512700		
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	8782		
9	Insurance	1.00%	35127		
10	Turnkey Charges	0.00%	0		
Total			3556609		
9	Civil Works 20 Sq. Mtr	LS	2	406990.00	813980
Total Cost of Estimate					4370589

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	5006545	3556561
Civil Works 20 Sq. Mtr	1107013	813980
Total Cost of the Estimate	6113558	4370541

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1223

Cost Data for 11/0.44 DTC Additional 1 X 630 KVA, Indoor type DTC with RMU without room

Sr.No	Particulars	Unit	Qty	Rate	Amount
1	Dist. Transformer 630 KVA, 11/0.43 kv	No.	1	886267.00	886267.00
2	11 kV SF6, Motorized, SCADA Compatible RMU 2 Iso + 1 Br	No.	1	482656.00	482656.00
3	XLPE Cable 11 KV, 3 C / 95 mm sq.	Rmt	15	815.00	12225.00
4	11 kV heat shrinkable Indoor termination joint kit for 3 C X 95 sqmm	No.	2	1216.00	2432.00
5	8 way feeder pillar with ACB	No.	1	88582.00	88582.00
6	Earthing with GI pipe	L.S.	4	393.00	1572.00
7	Earthing with GI plate	L.S.	4	2292.00	9168.00
8	DTC Metring with Box, single core L.T. XLPE cable (300 sq.mm., 320 mtr length) and other allied material for 630 KVA	No.	1	75468.00	75468.00
9	Sundries	L.S.	1	886.00	886.00

Cost of Material

1559256.00

1	Erection cost on material	15.00%	233888
2	Contractor supervision charges on material	5.00%	77963
	Sub-Total		1871107
3	Contractor's Profit	5.00%	93555
	Sub-Total		1964663
4	Transportation on material	4.00%	62370
5	T&P on material cost	1.00%	15593
6	Contingencies on material	2.00%	31185
	Service Cost		4350324
	Sub-Total		2073810
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	4148
	Sub-Total		2077958
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	5195
9	Insurance	1.00%	20780
10	Turnkey Charges	0.00%	0
	Total		2103933

9	Civil Works - Foundation Structure for Feeder Pillar, RMU & Transformer	L.S.	1	34187.00	34187
	Total Cost of Estimate				2138120

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	2961651	2103904
Civil Works - Foundation Structure for Feeder Pillar, RMU & Transformer	46494	34187
Total Cost of the Estimate	3008145	2138091

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1224

Cost Data for 11/0.44 DTC Additional 2 X 630 KVA, Indoor type DTC with RMU without room

Sr.No	Particulars	Unit	Qty	Rate	Amount
1	Dist. Transformer 630 KVA, 11/0.43 kv	No.	2	886267.00	1772534.00
2	11 kV SF6, Motorized, SCADA Compatible RMU 2 Iso + 2 Br	No.	1	680202.00	680202.00
3	XLPE Cable 11 KV, 3 C / 95 mm sq.	Rmt	30	815.00	24450.00
4	11 kV heat shrinkable Indoor termination joint kit for 3 C X 95 sqmm	No.	4	1216.00	4864.00
5	8 way feeder pillar with ACB	No.	2	88582.00	177164.00
6	Earthing with GI pipe	L.S.	8	393.00	3144.00
7	Earthing with GI plate	L.S.	8	2292.00	18336.00
8	DTC Metring with Box, single core L.T. XLPE cable (300 sq.mm., 320 mtr length) and other allied material for 630 KVA	No.	2	75468.00	150936.00
9	Sundries	L.S.	2	886.00	1772.00

Cost of Material

2833402.00

1	Erection cost on material	15.00%	425010
2	Contractor supervision charges on material	5.00%	141670
	Sub-Total		3400082
3	Contractor's Profit	5.00%	170004
	Sub-Total		3570087
4	Transportation on material	4.00%	113336
5	T&P on material cost	1.00%	28334
6	Contingencies on material	2.00%	56668
	Service Cost		7905192
	Sub-Total		3768425
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	7537
	Sub-Total		3775962
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	9440
9	Insurance	1.00%	37760
10	Turnkey Charges	0.00%	0
	Total		3823161

9	Civil Works - Foundation Structure for Feeder Pillar, RMU & Transformer	L.S.	2	34187.00	68374
	Total Cost of Estimate				3891535

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	5381764	3823109
Civil Works - Foundation Structure for Feeder Pillar, RMU & Transformer	92989	68374
Total Cost of the Estimate	5474752	3891483

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1225

Cost Data for 11/0.44 DTC Additional 1 X 315 KVA, Indoor type DTC with RMU without room

Sr.No	Particulars	Unit	Qty	Rate	Amount
1	Dist. Transformer 315 KVA, 11/0.43 kv	No.	1	620477.00	620477.00
2	11 kV SF6, Motorized, SCADA Compatible RMU 2 Iso + 1 Br	No.	1	482656.00	482656.00
3	XLPE Cable 11 KV, 3 C / 95 mm sq.	Rmt	15	815.00	12225.00
4	11 kV heat shrinkable Indoor termination joint kit for 3 C X 95 sqmm	No.	2	1216.00	2432.00
5	6 way feeder pillar with ACB	No.	1	85509.00	85509.00
6	Earthing with GI pipe	L.S.	4	393.00	1572.00
7	Earthing with GI plate	L.S.	4	2292.00	9168.00
8	DTC Metring with Box, single core L.T. XLPE cable (300 sq.mm., 280 mtr length) and other allied material.	No.	1	42647.00	42647.00
9	Sundries	L.S.	1	886.00	886.00

Cost of Material

1257572.00

1	Erection cost on material	15.00%	188636
2	Contractor supervision charges on material	5.00%	62879
	Sub-Total		1509086
3	Contractor's Profit	5.00%	75454
	Sub-Total		1584541
4	Transportation on material	4.00%	50303
5	T&P on material cost	1.00%	12576
6	Contingencies on material	2.00%	25151
	Service Cost		3508626
	Sub-Total		1672571
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	3345
	Sub-Total		1675916
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	4190
9	Insurance	1.00%	16759
10	Turnkey Charges	0.00%	0

Total

1696865

9	Civil Works - Foundation Structure for Feeder Pillar, RMU & Transformer	L.S.	2	34187.00	68374
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Total Cost of Estimate

1765239

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	2388632	1696842
Civil Works - Foundation Structure for Feeder Pillar, RMU & Transformer	92989	68374
Total Cost of the Estimate	2481621	1765216

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1226

Cost Data for 11/0.44 DTC Additional 2 X 315 KVA, Indoor type DTC with RMU without room

Sr.No	Particulars	Unit	Qty	Rate	Amount
1	Dist. Transformer 315 KVA, 11/0.43 kv	No.	2	620477.00	1240954.00
2	11 kV SF6, Motorized, SCADA Compatible RMU 2 Iso + 2 Br	No.	1	680202.00	680202.00
3	XLPE Cable 11 KV, 3 C / 95 mm sq.	Rmt	30	815.00	24450.00
4	11 kV heat shrinkable Indoor termination joint kit for 3 C X 95 sqmm	No.	4	1216.00	4864.00
5	6 way feeder pillar with ACB	No.	2	85509.00	171018.00
6	Earthing with GI pipe	L.S.	8	393.00	3144.00
7	Earthing with GI plate	L.S.	8	2292.00	18336.00
8	DTC Metring with Box, single core L.T. XLPE cable (300 sq.mm., 280 mtr length) and other allied material.	No.	2	42647.00	85294.00
9	Sundries	L.S.	2	886.00	1772.00

Cost of Material

2230034.00

1	Erection cost on material	15.00%	334505
2	Contractor supervision charges on material	5.00%	111502
	Sub-Total		2676041
3	Contractor's Profit	5.00%	133802
	Sub-Total		2809843
4	Transportation on material	4.00%	89201
5	T&P on material cost	1.00%	22300
6	Contingencies on material	2.00%	44601
	Service Cost		6221795
	Sub-Total		2965945
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	5932
	Sub-Total		2971877
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	7430
9	Insurance	1.00%	29719
10	Turnkey Charges	0.00%	0

Total

3009026

9	Civil Works - Foundation Structure for Feeder Pillar, RMU & Transformer	L.S.	2	34187.00	68374
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Total Cost of Estimate

3077400

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	4235727	3008985
Civil Works - Foundation Structure for Feeder Pillar, RMU & Transformer	92989	68374
Total Cost of the Estimate	4328715	3077359

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1227

Cost Data for 11/0.44 DTC new 315 KVA, Indoor type DTC with RMU

Sr.No	Particulars	Unit	Qty	Rate	Amount
1	Dist. Transformer 315 KVA, 11/0.43 kv	No.	1	620477.00	620477.00
2	11 kv SF6, Motorized, SCADA Compatible RMU 2 Iso + 1 Br	No.	1	482656.00	482656.00
3	XLPE Cable 11 KV, 3 C / 95 mm sq.	Rmt	15	815.00	12225.00
4	11 kv heat shrinkable Indoor termination joint kit for 3 C X 95 sqmm	No.	2	1216.00	2432.00
5	6 way feeder pillar with ACB	No.	1	85509.00	85509.00
6	Earthing with GI pipe	L.S.	4	393.00	1572.00
7	Earthing with GI plate	L.S.	4	2292.00	9168.00
8	DTC Metring with Box, single core L.T. XLPE cable (300 sq.mm., 280 mtr length) and other allied material.	L.S.	1 Set	42647.00	42647.00
9	Sundries	L.S.	1	886.00	886.00

Cost of Material

1257572.00

1	Erection cost on material	15.00%	188636
2	Contractor supervision charges on material	5.00%	62879
	Sub-Total		1509086
3	Contractor's Profit	5.00%	75454
	Sub-Total		1584541
4	Transportation on material	4.00%	50303
5	T&P on material cost	1.00%	12576
6	Contingencies on material	2.00%	25151
	Service Cost Sub-Total		3508626
	Sub-Total		1672571
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	3345
	Sub-Total		1675916
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	4190
9	Insurance	1.00%	16759
10	Turnkey Charges	0.00%	0

Total

1696865

9	Civil Works - Foundation Structure for Feeder Pillar, RMU & Transformer	L.S.	1	34187.00	34187
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Total Cost of Estimate

1731052

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	2388632	1696842
Civil Works - Foundation Structure for Feeder Pillar, RMU & Transformer	46494	34187
Total Cost of the Estimate	2435127	1731029

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1228

Cost Data for 11/0.44 DTC new 630 KVA, Indoor type DTC with RMU

Sr.No	Particulars	Unit	Qty	Rate	Amount
1	Dist. Transformer 630 KVA, 11/0.43 kv	No.	1	886267.00	886267.00
2	11 kV SF6, Motorized, SCADA Compatible RMU 2 Iso + 1 Br	No.	1	482656.00	482656.00
3	XLPE Cable 11 KV, 3 C / 95 mm sq.	Rmt	15	815.00	12225.00
4	11 kV heat shrinkable Indoor termination joint kit for 3 C X 95 sqmm	No.	2	1216.00	2432.00
5	8 way feeder pillar with ACB	No.	1	88582.00	88582.00
6	Earthing with GI pipe	L.S.	4	393.00	1572.00
7	Earthing with GI plate	L.S.	4	2292.00	9168.00
8	DTC Metring with Box, single core L.T. XLPE cable (300 sq.mm., 320 mtr length) and other allied material for 630 KVA	L.S.	1 Set	75468.00	75468.00
9	Sundries	L.S.	1	886.00	886.00

Cost of Material

1559256.00

1	Erection cost on material	15.00%	233888
2	Contractor supervision charges on material	5.00%	77963
	Sub-Total		1871107
3	Contractor's Profit	5.00%	93555
	Sub-Total		1964663
4	Transportation on material	4.00%	62370
5	T&P on material cost	1.00%	15593
6	Contingencies on material	2.00%	31185
	Service Cost		4350324
	Sub-Total		2073810
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	4148
	Sub-Total		2077958
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	5195
9	Insurance	1.00%	20780
10	Turnkey Charges	0.00%	0
	Total		2103933

9	Civil Works - Foundation Structure for Feeder Pillar, RMU & Transformer	L.S.	1	34187.00	34187
	Total Cost of Estimate				2138120

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	2961651	2103904
Civil Works - Foundation Structure for Feeder Pillar, RMU & Transformer	46494	34187
Total Cost of the Estimate	3008145	2138091

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1229

Cost Data for 11/0.44 DTC new 995 KVA, Indoor type DTC with RMU

Sr.No	Particulars	Unit	Qty	Rate	Amount
1	Dist. Transformer 995 KVA, 11/0.4 kv	No.	1	1243605.00	1243605.00
2	11 kV SF6, Motorized, SCADA Compatible RMU 2 Iso + 1 Br	No.	1	482656.00	482656.00
3	XLPE Cable 11 KV, 3 C / 95 mm sq.	Rmt	15	815.00	12225.00
4	11 kV heat shrinkable Indoor termination joint kit for 3 C X 95 sqmm	No.	2	1216.00	2432.00
5	8 way feeder pillar with ACB	No.	1	88582.00	88582.00
6	Earthing with GI pipe	L.S.	4	393.00	1572.00
7	Earthing with GI plate	L.S.	4	2292.00	9168.00
8	DTC Metring with Box, single core L.T. XLPE cable (300 sq.mm., 320 mtr length) and other allied material for 995 KVA	L.S.	1 Set	108148.00	108148.00
9	Sundries	L.S.	1	886.00	886.00

Cost of Material

1949274.00

1	Erection cost on material	15.00%	292391
2	Contractor supervision charges on material	5.00%	97464
	Sub-Total		2339129
3	Contractor's Profit	5.00%	116956
	Sub-Total		2456085
4	Transportation on material	4.00%	77971
5	T&P on material cost	1.00%	19493
6	Contingencies on material	2.00%	38985
	Service Cost		5438474
	Sub-Total		2592534
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	5185
	Sub-Total		2597719
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	6494
9	Insurance	1.00%	25977
10	Turnkey Charges	0.00%	0

Total

2630191

9	Civil Works - Foundation Structure for Feeder Pillar, RMU & Transformer	L.S.	1	34187.00	34187
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Total Cost of Estimate

2664378

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	3702451	2630155
Civil Works - Foundation Structure for Feeder Pillar, RMU & Transformer	46494	34187
Total Cost of the Estimate	3748945	2664342

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1301

Cost Data for Augmentation of Pole mounted Distribution Transformer Sub-station

11/0.433 KV, 63 KVA to

Sr.No	Description of Material	Unit	Qty.	RT/UNIT(RS)	Amount (Rs.)
1	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
2	L.T.Dist.Boxes 100 KVA with MCCB	No.	1	17694.00	17694.00
3	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt	25	275.00	6875.00
4	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt	10	453.00	4530.00
5	Sundries	no	1	886.00	886.00

Cost of material

173767.00

1	Erection cost on material	15.00%	26065
2	Contractor supervision charges on material	5.00%	8688
	Sub-Total		208520
3	Contractor's Profit	5.00%	10426
	Sub-Total		218946
4	Transportation on material	4.00%	6951
5	T&P on material cost	1.00%	1738
6	Contingencies on material	2.00%	3475
	Service Cost		484810
	Sub-Total		231110
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	462
	Sub-Total		231572
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	579
9	Insurance	1.00%	2316
10	Turnkey Charges	0.00%	0

Total

234467

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	330053	234464
Total Cost of the Estimate	330053	234464

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1302

Cost Data for Augmentation of Pole mounted Distribution Transformer Sub-station 11/0.433 KV 100 KVA to 11/0.433 kv 200 KVA

Sr.No	Description of Material	Unit	Qty.	RT/UNIT(RS)	Amount (Rs.)
1	Dist. Transformer 200 KVA, 11/0.43 kv	No.	1.00	258752.00	258752.00
2	L.T.Dist.Boxes 200 KVA with MCCB	No.	1.000	31332.00	31332.00
3	L.T.XLPE Armoured 3.5 Core cable 120 sq.mm.	Rmt	25.00	453.00	11325.00
4	L.T. XLPE cable 3.5 Core 240 mm2	Rmt	10.00	865.00	8650.00
5	Sundries	no	1.00	886.00	886.00

Cost of material

310945.00

1	Erection cost on material	15.00%	46642
2	Contractor supervision charges on material	5.00%	15547
	Sub-Total		373134
3	Contractor's Profit	5.00%	18657
	Sub-Total		391791
4	Transportation on material	4.00%	12438
5	T&P on material cost	1.00%	3109
6	Contingencies on material	2.00%	6219
	Service Cost		867537
	Sub-Total		413557
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	827
	Sub-Total		414384
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1036
9	Insurance	1.00%	4144
10	Turnkey Charges	0.00%	0

Total

419564

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	590609	419558
Total Cost of the Estimate	590609	419558

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1303

Cost Data for Augmentation of Distribution Transformer Sub-station 11/0.433 kv, 100 KVA to 11/0.433 kv, 315 KVA - Indoor

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount (Rs.)
1	Dist. Transformer 315 KVA, 11/0.43 kv	No.	1	620477.00	620477.00
2	8 way feeder pillar with ACB	No.	1	88582.00	88582.00
3	L.T. XLPE cable 3.5 Core 300 mm2	Rmt	45	998.00	44910.00
4	Sundries	LS	1	886.00	886.00
Cost of Material					754855.00

1	Erection cost on material	15.00%	113228
2	Contractor supervision charges on material	5.00%	37743
Sub-Total			905826
3	Contractor's Profit	5.00%	45291
Sub-Total			951117
4	Transportation on material	4.00%	30194
5	T&P on material cost	1.00%	7549
6	Contingencies on material	2.00%	15097
Service Cost			2106045
Sub-Total			1003957
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2008
Sub-Total			1005965
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	2515
9	Insurance	1.00%	10060
10	Turnkey Charges	0.00%	0

Total

1018540

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1433772	1018526
Total Cost of the Estimate	1433772	1018526

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1304

Cost Data for Augmentation of Distribution Transformer Sub-station 11/0.433 kv, 200 KVA to 11/0.433 kv, 315 KVA - Indoor

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount (Rs.)
1	Dist. Transformer 315 KVA, 11/0.43 kv	No.	1	620477.00	620477.00
2	6 way feeder pillar with ACB	No.	1	85509.00	85509.00
3	L.T. XLPE cable 3.5 Core 300 mm2	Rmt	45	998.00	44910.00
4	Sundries	LS	1	886.00	886.00
Cost of Material					751782.00

1	Erection cost on material	15.00%	112767
2	Contractor supervision charges on material	5.00%	37589
Sub-Total			902138
3	Contractor's Profit	5.00%	45107
Sub-Total			947245
4	Transportation on material	4.00%	30071
5	T&P on material cost	1.00%	7518
6	Contingencies on material	2.00%	15036
Service Cost			2097472
Sub-Total			999870
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2000
Sub-Total			1001870
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	2505
9	Insurance	1.00%	10019
10	Turnkey Charges	0.00%	0

Total

1014393

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1427935	1014379
Total Cost of the Estimate	1427935	1014379

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1305

Cost Data for Augmentation of Pole mounted Distribution Transformer Sub-station 11/0.433 kv, 200 KVA to

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount (Rs.)
1	Dist. Transformer 630 KVA, 11/0.43 kv	No.	1	886267.00	886267.00
2	8 way feeder pillar with ACB	No.	1	88582.00	88582.00
3	L.T. XLPE cable 3.5 Core 300 mm2	Rmt	45	998.00	44910.00
4	Sundries	LS	1	886.00	886.00

Cost of Material

1020645.00

1	Erection cost on material	15.00%	153097
2	Contractor supervision charges on material	5.00%	51032
	Sub-Total		1224774
3	Contractor's Profit	5.00%	61239
	Sub-Total		1286013
4	Transportation on material	4.00%	40826
5	T&P on material cost	1.00%	10206
6	Contingencies on material	2.00%	20413
	Service Cost		2847600
	Sub-Total		1357458
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2715
	Sub-Total		1360173
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	3400
9	Insurance	1.00%	13602
10	Turnkey Charges	0.00%	0
	Total		1377175

9	Concreting ration 1:3:6	10.25	4328.00	44362
	Total Cost of Estimate			1421537

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1938613	1377156
Concreting ration 1:3:6	60332	44362
Total Cost of the Estimate	1998945	1421518

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1306

Cost Data for Augmentation of Pole mounted Distribution Transformer Sub-station 11/0.433 kv, 315 KVA to

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount (Rs.)
1	Dist. Transformer 630 KVA, 11/0.43 kv	No.	1	886267.00	886267.00
2	8 way feeder pillar with ACB	No.	1	88582.00	88582.00
3	L.T. XLPE cable 3.5 Core 300 mm2	Rmt	45	998.00	44910.00
4	Sundries	LS	1	886.00	886.00

Cost of Material

1020645.00

1	Erection cost on material	15.00%	153097
2	Contractor supervision charges on material	5.00%	51032
	Sub-Total		1224774
3	Contractor's Profit	5.00%	61239
	Sub-Total		1286013
4	Transportation on material	4.00%	40826
5	T&P on material cost	1.00%	10206
6	Contingencies on material	2.00%	20413
	Service Cost		2847600
	Sub-Total		1357458
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2715
	Sub-Total		1360173
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	3400
9	Insurance	1.00%	13602
10	Turnkey Charges	0.00%	0
	Total		1377175
9	Concreting ration 1:3:6	10.25	4328.00
	Total Cost of Estimate		1421537

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1938613	1377156
Concreting ration 1:3:6	60332	44362
Total Cost of the Estimate	1998945	1421518

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1307

Cost Data for Augmentation of existing DTC to 11/0.433 KV 100 KVA with rural KITKAT DB

Sr. No.	Description of Material	Unit	QTY	Rate/Unit	Rs.	Amount Rs.
1	Dist. Transformer 100 KVA, 11/0.43 kv	No	1	143782.00		143782.00
2	L.T.Dist.Boxes 100 KVA with KITKAT	No	1	16331.00		16331.00
3	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00		1531.00
4	11KV A.B. Switch, 400 A	Set	1	11642.00		11642.00
5	Danger Board in yard.	No	2	87.00		174.00
6	G.I.Wire 8 SWG/ 6 SWG	Kg.	25	72.00		1800.00
7	G.I.Barbed Wire 'A' type.	Kg.	150	80.00		12000.00
8	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt	25	275.00		6875.00
9	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt	10	453.00		4530.00
10	Painting/Hardware & support with numbering of pole	No	1	259.00		259.00
11	Sundries	LS	1	886.00		886.00

Cost of material

199810.00

1	Erection cost on material	15.00%	29972
2	Contractor supervision charges on material	5.00%	9991
	Sub-Total		239772
3	Contractor's Profit	5.00%	11989
	Sub-Total		251761
4	Transportation on material	4.00%	7992
5	T&P on material cost	1.00%	1998
6	Contingencies on material	2.00%	3996
	Service Cost		557470
	Sub-Total		265747
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	531
	Sub-Total		266279
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	666
9	Insurance	1.00%	2663
10	Turnkey Charges	0.00%	0
	Total		269607

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	379519	269604
Total Cost of the Estimate	379519	269604

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1308

Cost Data for Augmentation of existing DTC to 11/0.433 KV 200 KVA with rural KITKAT DB

Sr. No.	Description of Material	Unit	QTY	Rate/Unit	Rs.	Amount Rs.
1	Dist. Transformer 200 KVA, 11/0.43 kv	No	1	258752.00		258752.00
2	L.T.Dist.Boxes 200 KVA with KitKat	No	1	32292.00		32292.00
3	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00		1531.00
4	11KV A.B. Switch, 400 A	Set	1	11642.00		11642.00
5	Danger Board in yard.	No	2	87.00		174.00
6	G.I.Wire 8 SWG/ 6 SWG	Kg.	25	72.00		1800.00
7	G.I.Barbed Wire 'A' type.	Kg.	150	80.00		12000.00
8	L.T.XLPE Armoured 3.5 Core cable 120 sq.mm.	Rmt	25	453.00		11325.00
9	L.T. XLPE cable 3.5 Core 240 mm2	Rmt	10	865.00		8650.00
10	Painting/Hardware & support with numbering of pole	No	1	259.00		259.00
11	Sundries	LS	1	886.00		886.00

Cost of material

339311.00

1	Erection cost on material	15.00%	50897
2	Contractor supervision charges on material	5.00%	16966
	Sub-Total		407173
3	Contractor's Profit	5.00%	20359
	Sub-Total		427532
4	Transportation on material	4.00%	13572
5	T&P on material cost	1.00%	3393
6	Contingencies on material	2.00%	6786
	Service Cost		946678
	Sub-Total		451284
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	903
	Sub-Total		452186
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1130
9	Insurance	1.00%	4522
10	Turnkey Charges	0.00%	0

Total

457839

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	644487	457832
Total Cost of the Estimate	644487	457832

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1309

Cost Data for Augmentation of Indoor Distribution Transformer Sub-station 11/0.4 kv, 315 KVA to 11/0.4 kv, 630 KVA

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount (Rs.)
1	Dist. Transformer 630 KVA, 11/0.43 kv	No.	1	886267.00	886267.00
2	8 way feeder pillar with ACB	No.	1	88582.00	88582.00
3	DTC Metring with Box, single core L.T. XLPE cable (300 sq.mm., 320 mtr length) and other allied material for 630 KVA	L.S.	1 Set	75468.00	75468.00
4	Sundries	L.S.	1	886.00	886.00

Cost of Material

1051203.00

1	Erection cost on material	15.00%	157680
2	Contractor supervision charges on material	5.00%	52560
	Sub-Total		1261444
3	Contractor's Profit	5.00%	63072
	Sub-Total		1324516
4	Transportation on material	4.00%	42048
5	T&P on material cost	1.00%	10512
6	Contingencies on material	2.00%	21024
	Service Cost		2932856
	Sub-Total		1398100
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2796
	Sub-Total		1400896
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	3502
9	Insurance	1.00%	14009
10	Turnkey Charges	0.00%	0
	Total		1418407

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1996655	1418388
Total Cost of the Estimate	1996655	1418388

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1310

Cost Data for Augmentation of Indoor Distribution Transformer Sub-station 11/0.4 kv, 630 KVA to 11/0.4 kv, 995 KVA

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount (Rs.)
1	Dist. Transformer 995 KVA, 11/0.4 kv	No.	1	1243605.00	1243605.00
2	8 way feeder pillar with ACB	No.	1	88582.00	88582.00
3	DTC Metring with Box, single core L.T. XLPE cable (300 sq.mm., 320 mtr length) and other allied material for 995 KVA	L.S.	1 Set	108148.00	108148.00
4	Sundries	L.S.	1	886.00	886.00

Cost of Material

1441221.00

1	Erection cost on material	15.00%	216183
2	Contractor supervision charges on material	5.00%	72061
	Sub-Total		1729465
3	Contractor's Profit	5.00%	86473
	Sub-Total		1815938
4	Transportation on material	4.00%	57649
5	T&P on material cost	1.00%	14412
6	Contingencies on material	2.00%	28824
	Service Cost		4021007
	Sub-Total		1916824
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	3834
	Sub-Total		1920658
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	4802
9	Insurance	1.00%	19207
10	Turnkey Charges	0.00%	0
	Total		1944666

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	2737455	1944639
Total Cost of the Estimate	2737455	1944639

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1401

L.T. LINE 3 ph 4 W. -WIND PRESSURE ZONE - With AAAC 55 sqmm for phase & ACSR Weasel for neutral with PSC Pole 8 Mtr (200 KG)

SR.NO.	DESCRIPTION OF MATERIALS.	UNIT	QTY	RT/UNIT(RS)	AMT.(RS)
1	PSC Pole 8 Mtr (200 KG)	No.	20	2447.00	48940.00
2	AAAC 55 mm2	Rmt	3200	36.00	115200.00
3	ACSR Weasel	Rmt	1100	24.00	26400.00
4	M.S.Flat 50 x 6 mm	Kg	24	65.00	1560.00
5	L.T.Shackle Insulator	No	72	15.00	1080.00
6	L.T.Shackle hardware	Pair	96	50.00	4800.00
7	Jointing Sleeves for AAC	No	4	43.00	172.00
8	Aluminium Bobbins for neutral	No.	20	41.00	820.00
9	PG Clamp	No	6	31.00	186.00
10	Earthing Sets L.T.	No	5	224.00	1120.00
11	L.T. Stay sets	No	8	637.00	5096.00
12	G.I.Stay Wire 7/3.15mm(10SWG)	Kg	72	72.00	5184.00
13	Stay Insulators	No	8	15.00	120.00
14	Binding Wire	Kg.	1.5	85.00	127.50
15	Binding Tape	Kg	1.5	60.00	90.00
16	G.I.Wire 8 SWG/ 6 SWG	Kg.	100	72.00	7200.00
17	Concreting ration 1:3:6	Cmt	2.4	4328.00	10387.20
18	L.T.Spacers 4 wire LT line	No	57	140.00	7980.00
19	Sundries such as N/B, Washers, Welding etc.	LS	1	3163.00	3163.00
20	Wedge connectors				
a)	Ant To Ant or equivalent AAAC	No	32	131.00	4192.00
b)	GNAT To GNAT or equivalent AAAC	No	24	131.00	3144.00

Cost of material

246961.70

1	Erection cost on material	15.00%	37044
2	Contractor supervision charges on material	5.00%	12348
	Sub-Total		296354
3	Contractor's Profit	5.00%	14818
	Sub-Total		311172
4	Transportation on material	4.00%	9878
5	T&P on material cost	1.00%	2470
6	Contingencies on material	2.00%	4939
	Service Cost		689023
	Sub-Total		328459
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	657
	Sub-Total		329116
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	823
9	Insurance	1.00%	3291
10	Turnkey Charges	0.00%	0

Total

333230

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	469079	333225
Total Cost of the Estimate	469079	333225

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1401A

L.T. LINE 3 ph 4 W. -WIND PRESSURE ZONE - With AAAC 55 aqmm for phase & ACSR Weasel for neutral with PSC Pole 8 Mtr (140 KG)

SR.NO.	DESCRIPTION OF MATERIALS.	UNIT	QTY	RT/UNIT(RS)	AMT.(RS)
1	PSC Pole 8 Mtr (140 KG)	No.	20	2178.00	43560.00
2	AAAC 55 mm2	Rmt	3200	36.00	115200.00
3	ACSR Weasel	Rmt	1100	24.00	26400.00
4	M.S.Flat 50 x 6 mm	Kg	24	65.00	1560.00
5	L.T.Shackle Insulator	No	72	15.00	1080.00
6	L.T.Shackle hardware	Pair	96	50.00	4800.00
7	Aluminium Bobbins for neutral	No.	20	41.00	820.00
8	Jointing Sleeves for AAC	No	4	43.00	172.00
9	PG Clamp	No	6	31.00	186.00
10	Earthing Sets L.T.	No	5	224.00	1120.00
11	L.T. Stay sets	No	8	637.00	5096.00
12	G.I.Stay Wire 7/3.15mm(10SWG)	Kg	72	72.00	5184.00
13	Stay Insulators	No	8	15.00	120.00
14	Binding Wire	Kg.	1.5	85.00	127.50
15	Binding Tape	Kg	1.5	60.00	90.00
16	G.I.Wire 8 SWG/ 6 SWG	Kg.	100	72.00	7200.00
17	Concreting ration 1:3:6	Cmt	2.4	4328.00	10387.20
18	L.T.Spacers 4 wire LT line	No	57	140.00	7980.00
19	Sundries such as N/B, Washers, Welding etc.	LS	1	3163.00	3163.00
20	Wedge connectors				
a)	Ant To Ant or equivalent AAAC	No	32	131.00	4192.00
b)	GNAT To GNAT or equivalent AAAC	No	24	131.00	3144.00

Cost of material

241581.70

1	Erection cost on material	15.00%	36237
2	Contractor supervision charges on material	5.00%	12079
	Sub-Total		289898
3	Contractor's Profit	5.00%	14495
	Sub-Total		304393
4	Transportation on material	4.00%	9663
5	T&P on material cost	1.00%	2416
6	Contingencies on material	2.00%	4832
	Service Cost		674013
	Sub-Total		321304
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	643
	Sub-Total		321946
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	805
9	Insurance	1.00%	3219
10	Turnkey Charges	0.00%	0
	Total		325971

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	458860	325966
Total Cost of the Estimate	458860	325966

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

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	RT/UNIT(RS)	AMT.(RS)
1	PSC Pole 8 Mtr (200 KG)	No.	16	2447.00	39152.00
2	ACSR Weasel	Rmt	4300	24.00	103200.00
3	M.S.Flat 50 x 6 mm	Kg	24	65.00	1560.00
4	L.T.Shackle Insulator	No	60	15.00	900.00
5	Aluminium Bobbins for neutral	No.	20	41.00	820.00
6	L.T.Shackle hardware	Pair	80	50.00	4000.00
7	Jointing Sleeves for AAC	No	4	43.00	172.00
8	PG Clamp	No	6	31.00	186.00
9	Earthing Sets L.T.	No	5	224.00	1120.00
10	L.T. Stay sets	No	8	637.00	5096.00
11	G.I.Stay Wire 7/3.15mm(10SWG)	Kg	72	72.00	5184.00
12	Stay Insulators	No	8	15.00	120.00
13	Binding Wire	Kg.	1.5	85.00	127.50
14	Binding Tape	Kg	1.5	60.00	90.00
15	G.I.Wire 8 SWG/ 6 SWG	Kg.	100	72.00	7200.00
16	Concreting ration 1:3:6	Ls	1	4328.00	4328.00
17	L.T.Spacers 4 wire LT line	No	45	140.00	6300.00
18	Sundries such as N/B, Washers, Welding etc.	LS	1	3163.00	3163.00
19	Wedge connectors				
a)	GNAT To GNAT or equivalent AAC	No	56	131.00	7336.00

Cost of material

190054.50

1	Erection cost on material	15.00%	28508
2	Contractor supervision charges on material	5.00%	9503
	Sub-Total		228065
3	Contractor's Profit	5.00%	11403
	Sub-Total		239469
4	Transportation on material	4.00%	7602
5	T&P on material cost	1.00%	1901
6	Contingencies on material	2.00%	3801
	Service Cost		530252
	Sub-Total		252772
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	506
	Sub-Total		253278
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	633
9	Insurance	1.00%	2533
10	Turnkey Charges	0.00%	0

Total

256444

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	360990	256441
Total Cost of the Estimate	360990	256441

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1402A

L.T. LINE 3 ph 4 W. -With ACSR Weasel for phase & Neutral with PSC Pole 8 Mtr (140 KG)

SR.NO.	DESCRIPTION OF MATERIALS.	UNIT	QTY	RT/UNIT(RS)	AMT.(RS)
1	PSC Pole 8 Mtr (140 KG)	No.	16	2178.00	34848.00
2	ACSR Weasel	Rmt	4300	24.00	103200.00
3	M.S.Flat 50 x 6 mm	Kg	24	65.00	1560.00
4	L.T.Shackle Insulator	No	60	15.00	900.00
5	Aluminium Bobbins for neutral	No.	20	41.00	820.00
6	L.T.Shackle hardware	Pair	80	50.00	4000.00
7	Jointing Sleeves for AAC	No	4	43.00	172.00
8	PG Clamp	No	6	31.00	186.00
9	Earthing Sets L.T.	No	5	224.00	1120.00
10	L.T. Stay sets	No	8	637.00	5096.00
11	G.I.Stay Wire 7/3.15mm(10SWG)	Kg	72	72.00	5184.00
12	Stay Insulators	No	8	15.00	120.00
13	Binding Wire	Kg.	1.5	85.00	127.50
14	Binding Tape	Kg	1.5	60.00	90.00
15	G.I.Wire 8 SWG/ 6 SWG	Kg.	100	72.00	7200.00
16	Concreting ration 1:3:6	Ls	1	4328.00	4328.00
17	L.T.Spacers 4 wire LT line	No	45	140.00	6300.00
18	Sundries such as N/B, Washers, Welding etc.	LS	1	3163.00	3163.00
19	Wedge connectors				
a)	GNAT To GNAT or equivalent AAC	No	56	131.00	7336.00

Cost of material

185750.50

1	Erection cost on material	15.00%	27863
2	Contractor supervision charges on material	5.00%	9288
	Sub-Total		222901
3	Contractor's Profit	5.00%	11145
	Sub-Total		234046
4	Transportation on material	4.00%	7430
5	T&P on material cost	1.00%	1858
6	Contingencies on material	2.00%	3715
	Service Cost		518244
	Sub-Total		247048
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	494
	Sub-Total		247542
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	619
9	Insurance	1.00%	2475
10	Turnkey Charges	0.00%	0

Total

250637

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	352814	250633
Total Cost of the Estimate	352814	250633

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.1403

Cost data for laying of 1 Km. L.T. XLPE Armoured Cable for Size 70 mm2

Sr.No.	Particulars	Unit	Qty.	RT/UNIT(RS)	Amount
1	L.T.XLPE Armoured 3.5 Core cable 70 sq.mm.	Rmt	1000.00	275.00	275000.00
2	R.C.C. Pipe 150 mm 2 M	No.	30.00	629.00	18870.00
3	L.T. jointing kits for 70 Sqmm	No.	10.00	466.00	4660.00
4	Misc. (Bricks,sand,tremination kit and etc.)	LS	1.00	27776.00	27776.00

Cost of material

326306.00

1	Erection cost on material	15.00%	48946
2	Contractor supervision charges on material	5.00%	16315
	Sub-Total		391567
3	Contractor's Profit	5.00%	19578
	Sub-Total		411146
4	Transportation on material	4.00%	13052
5	T&P on material cost	1.00%	3263
6	Contingencies on material	2.00%	6526
	Service Cost		910394
	Sub-Total		433987
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	868
	Sub-Total		434855
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour ccess)	0.25%	1087
9	Insurance	1.00%	4349
10	Turnkey Charges	0.00%	0

Total

440291

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	619786	440285
Total Cost of the Estimate	619786	440285

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.1405

Cost data for laying of 1 Km. L.T.XLPE Cable for Size 120 mm2.

Sr.No.	Particulars	Unit	Qty.	RT/UNIT(RS)	Amount
1	L.T.XLPE Armoured 3.5 Core cable 120 sq.mm.	Rmt	1000.00	453.00	453000.00
2	R.C.C. Pipe 150 mm 2 M	No.	30.00	629.00	18870.00
3	L.T. jointing kits for 120 Sqmm	No	10.00	582.00	5820.00
4	Misc. (Bricks,sand,tremination kit and etc.)	LS	1.00	27776.00	27776.00

Cost of material

505466.00

1	Erection cost on material	15.00%	75820
2	Contractor supervision charges on material	5.00%	25273
	Sub-Total		606559
3	Contractor's Profit	5.00%	30328
	Sub-Total		636887
4	Transportation on material	4.00%	20219
5	T&P on material cost	1.00%	5055
6	Contingencies on material	2.00%	10109
	Service Cost		1410250
	Sub-Total		672270
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1345
	Sub-Total		673614
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1684
9	Insurance	1.00%	6736
10	Turnkey Charges	0.00%	0

Total

682034

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	960082	682025
Total Cost of the Estimate	960082	682025

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.1406

Cost data for laying of 1 Km. L.T.XLPE Armoured Cable for Size 185 mm2.

Sr.No.	Particulars	Unit	Qty.	RT/UNIT(RS)	Amount
1	L.T. XLPE Armoured 3.5 Core cable 185 sq.mm.	Rmt	1000.00	675.00	675000.00
2	R.C.C. Pipe 150 mm 2 M	No.	30.00	629.00	18870.00
3	LT St.through joints for 185 sqmm	No	10.00	899.00	8990.00
4	Misc. (Bricks,sand,tremination kit and etc.)	LS	1.00	27776.00	27776.00

Cost of material

730636.00

1	Erection cost on material	15.00%	109595
2	Contractor supervision charges on material	5.00%	36532
	Sub-Total		876763
3	Contractor's Profit	5.00%	43838
	Sub-Total		920601
4	Transportation on material	4.00%	29225
5	T&P on material cost	1.00%	7306
6	Contingencies on material	2.00%	14613
	Service Cost		2038474
	Sub-Total		971746
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1943
	Sub-Total		973689
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	2434
9	Insurance	1.00%	9737
10	Turnkey Charges	0.00%	0

Total

985860

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1387770	985847
Total Cost of the Estimate	1387770	985847

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.1407

Estimate for LT to underground 3.5 x 300 sqmm cable for 1 Km

Sr.No.	Particulars	Unit	Qty	Rate (Rs.)	Amount
1	L.T. XLPE cable 3.5 Core 300 mm2	Rmt	1000	998.00	998000.00
2	R.C.C. Pipe 150 mm 2 M	No	30	629.00	18870.00
3	Misc. (Bricks,sand,tremination kit and etc.)	LS	1	27776.00	27776.00

Cost of material

1044646.00

1	Erection cost on material	15.00%	156697
2	Contractor supervision charges on material	5.00%	52232
	Sub-Total		1253575
3	Contractor's Profit	5.00%	62679
	Sub-Total		1316254
4	Transportation on material	4.00%	41786
5	T&P on material cost	1.00%	10446
6	Contingencies on material	2.00%	20893
	Service Cost		2914562
	Sub-Total		1389379
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2779
	Sub-Total		1392158
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	3480
9	Insurance	1.00%	13922
10	Turnkey Charges	0.00%	0

Total

1409560

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1984201	1409541
Total Cost of the Estimate	1984201	1409541

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.1408

Estimate for LT to underground 3.5 x 240 sqmm cable for 1 Km

Sr.No.	Particulars	Unit	Qty	Rate (Rs.)	Amount
1	L.T. XLPE cable 3.5 Core 240 mm2	Rmt	1000	865.00	865000.00
2	R.C.C. Pipe 150 mm 2 M	No	30	629.00	18870.00
3	Misc. (Bricks,sand,tremination kit and etc.)	LS	1	27776.00	27776.00

Cost of material

911646.00

1	Erection cost on material	15.00%	136747
2	Contractor supervision charges on material	5.00%	45582
	Sub-Total		1093975
3	Contractor's Profit	5.00%	54699
	Sub-Total		1148674
4	Transportation on material	4.00%	36466
5	T&P on material cost	1.00%	9116
6	Contingencies on material	2.00%	18233
	Service Cost		2543492
	Sub-Total		1212489
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2425
	Sub-Total		1214914
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	3037
9	Insurance	1.00%	12149
10	Turnkey Charges	0.00%	0

Total

1230101

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1731580	1230084
Total Cost of the Estimate	1731580	1230084

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1409

Estimate for LT to underground 4 x 16 sqmm cable for 1 Km

Sr.No.	Particulars	Unit	Qty	Rate (Rs.)	Amount
1	L.T. XLPE Armoured cable 4core 16sq.mm.	Rmt	1000	92.00	92000.00
2	R.C.C. Pipe 150 mm 2 M	No	30	629.00	18870.00
3	Misc. (Bricks,sand,tremination kit and etc.)	LS	1	27776.00	27776.00

Cost of material

138646.00

1	Erection cost on material	15.00%	20797
2	Contractor supervision charges on material	5.00%	6932
	Sub-Total		166375
3	Contractor's Profit	5.00%	8319
	Sub-Total		174694
4	Transportation on material	4.00%	5546
5	T&P on material cost	1.00%	1386
6	Contingencies on material	2.00%	2773
	Service Cost		386822
	Sub-Total		184399
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	369
	Sub-Total		184768
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	462
9	Insurance	1.00%	1848
10	Turnkey Charges	0.00%	0

Total

187078

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	263344	187075
Total Cost of the Estimate	263344	187075

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1410

Estimate for LT to underground 3.5 x 35 sqmm cable for 1 Km

Sr.No.	Particulars	Unit	Qty	Rate (Rs.)	Amount
1	L.T. XLPE armoured cable 3 1/2 C 35 sq.mm.	Rmt	1000	160.00	160000.00
2	R.C.C. Pipe 150 mm 2 M	No	30	629.00	18870.00
3	Misc. (Bricks,sand,tremination kit and etc.)	LS	1	27776.00	27776.00

Cost of material

206646.00

1	Erection cost on material	15.00%	30997
2	Contractor supervision charges on material	5.00%	10332
	Sub-Total		247975
3	Contractor's Profit	5.00%	12399
	Sub-Total		260374
4	Transportation on material	4.00%	8266
5	T&P on material cost	1.00%	2066
6	Contingencies on material	2.00%	4133
	Service Cost		576542
	Sub-Total		274839
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	550
	Sub-Total		275389
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	688
9	Insurance	1.00%	2754
10	Turnkey Charges	0.00%	0

Total

278831

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	392503	278827
Total Cost of the Estimate	392503	278827

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1411

Estimate for LT to underground 3.5 x 50 sqmm cable for 1 Km

Sr.No.	Particulars	Unit	Qty	Rate (Rs.)	Amount
1	L.T. XLPE armoured cable 3 1/2 C 50 sq.mm.	Rmt	1000	207.00	207000.00
2	R.C.C. Pipe 150 mm 2 M	No	30	629.00	18870.00
3	Misc. (Bricks,sand,tremination kit and etc.)	LS	1	27776.00	27776.00

Cost of material

253646.00

1	Erection cost on material	15.00%	38047
2	Contractor supervision charges on material	5.00%	12682
	Sub-Total		304375
3	Contractor's Profit	5.00%	15219
	Sub-Total		319594
4	Transportation on material	4.00%	10146
5	T&P on material cost	1.00%	2536
6	Contingencies on material	2.00%	5073
	Service Cost		707672
	Sub-Total		337349
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	675
	Sub-Total		338024
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	845
9	Insurance	1.00%	3380
10	Turnkey Charges	0.00%	0
	Total		342249

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	481775	342245
Total Cost of the Estimate	481775	342245

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1412

Estimate for LT to underground 3.5 x 120 sqmm cable for 1 Km

Sr.No.	Particulars	Unit	Qty	Rate (Rs.)	Amount
1	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt	1000	453.00	453000.00
2	R.C.C. Pipe 150 mm 2 M	No	30	629.00	18870.00
3	Misc. (Bricks,sand,tremination kit and etc.)	LS	1	27776.00	27776.00

Cost of material

499646.00

1	Erection cost on material	15.00%	74947
2	Contractor supervision charges on material	5.00%	24982
	Sub-Total		599575
3	Contractor's Profit	5.00%	29979
	Sub-Total		629554
4	Transportation on material	4.00%	19986
5	T&P on material cost	1.00%	4996
6	Contingencies on material	2.00%	9993
	Service Cost		1394012
	Sub-Total		664529
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1329
	Sub-Total		665858
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1665
9	Insurance	1.00%	6659
10	Turnkey Charges	0.00%	0

Total

674181

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	949028	674172
Total Cost of the Estimate	949028	674172

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1413

Estimate for LT to underground 3.5 x 70 sqmm cable for 1 Km

Sr.No.	Particulars	Unit	Qty	Rate (Rs.)	Amount
1	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt	1000	275.00	275000.00
2	R.C.C. Pipe 150 mm 2 M	No	30	629.00	18870.00
3	Misc. (Bricks,sand,tremination kit and etc.)	LS	1	27776.00	27776.00

Cost of material

321646.00

1	Erection cost on material	15.00%	48247
2	Contractor supervision charges on material	5.00%	16082
	Sub-Total		385975
3	Contractor's Profit	5.00%	19299
	Sub-Total		405274
4	Transportation on material	4.00%	12866
5	T&P on material cost	1.00%	3216
6	Contingencies on material	2.00%	6433
	Service Cost		897392
	Sub-Total		427789
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	856
	Sub-Total		428645
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1072
9	Insurance	1.00%	4286
10	Turnkey Charges	0.00%	0
	Total		434003

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	610934	433997
Total Cost of the Estimate	610934	433997

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1415

Estimate for LT to underground 2C, 2.5sqmm cable for 1 Km

Sr.No.	Particulars	Unit	Qty	Rate (Rs.)	Amount
1	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	1000	79.00	79000.00
2	R.C.C. Pipe 150 mm 2 M	No	30	629.00	18870.00
3	Misc. (Bricks,sand,tremination kit and etc.)	LS	1	27776.00	27776.00

Cost of material

125646.00

1	Erection cost on material	15.00%	18847
2	Contractor supervision charges on material	5.00%	6282
	Sub-Total		150775
3	Contractor's Profit	5.00%	7539
	Sub-Total		158314
4	Transportation on material	4.00%	5026
5	T&P on material cost	1.00%	1256
6	Contingencies on material	2.00%	2513
	Service Cost		350552
	Sub-Total		167109
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	334
	Sub-Total		167443
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	419
9	Insurance	1.00%	1674
10	Turnkey Charges	0.00%	0
	Total		169536

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	238652	169534
Total Cost of the Estimate	238652	169534

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1416

Estimate for LT to underground 2C, 4 sqmm cable for 1 Km

Sr.No.	Particulars	Unit	Qty	Rate (Rs.)	Amount
1	Armoured Copper control cable 2Cx4 sq.mm.	Rmt	1000	107.00	107000.00
2	R.C.C. Pipe 150 mm 2 M	No	30	629.00	18870.00
3	Misc. (Bricks,sand,tremination kit and etc.)	LS	1	27776.00	27776.00

Cost of material

153646.00

1	Erection cost on material	15.00%	23047
2	Contractor supervision charges on material	5.00%	7682
	Sub-Total		184375
3	Contractor's Profit	5.00%	9219
	Sub-Total		193594
4	Transportation on material	4.00%	6146
5	T&P on material cost	1.00%	1536
6	Contingencies on material	2.00%	3073
	Service Cost		428672
	Sub-Total		204349
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	409
	Sub-Total		204758
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	512
9	Insurance	1.00%	2048
10	Turnkey Charges	0.00%	0
	Total		207317

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	291835	207315
Total Cost of the Estimate	291835	207315

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1417

Estimate for LT to underground 2C x 16 sqmm cable for 1 Km

Sr.No.	Particulars	Unit	Qty	Rate (Rs.)	Amount
1	L.T. XLPE Amourred 2C 16 Sqmm cable	Rmt	1000	72.00	72000.00
2	R.C.C. Pipe 150 mm 2 M	No	30	629.00	18870.00
2	Misc. (Bricks,sand,tremination kit and etc.)	LS	1	27776.00	27776.00

Cost of material

118646.00

1	Erection cost on material	15.00%	17797
2	Contractor supervision charges on material	5.00%	5932
	Sub-Total		142375
3	Contractor's Profit	5.00%	7119
	Sub-Total		149494
4	Transportation on material	4.00%	4746
5	T&P on material cost	1.00%	1186
6	Contingencies on material	2.00%	2373
	Service Cost		331022
	Sub-Total		157799
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	316
	Sub-Total		158115
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	395
9	Insurance	1.00%	1581
10	Turnkey Charges	0.00%	0
	Total		160091

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	225356	160089
Total Cost of the Estimate	225356	160089

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1418

Estimate for LT to underground 4C x 16 sqmm cable for 1 Km

Sr.No.	Particulars	Unit	Qty	Rate (Rs.)	Amount
1	L.T. XLPE Armoured cable 4core 16sq.mm.	Rmt	1000	92.00	92000.00
2	R.C.C. Pipe 150 mm 2 M	No	30	629.00	18870.00
2	Misc. (Bricks,sand,tremination kit and etc.)	LS	1	27776.00	27776.00

Cost of material

138646.00

1	Erection cost on material	15.00%	20797
2	Contractor supervision charges on material	5.00%	6932
	Sub-Total		166375
3	Contractor's Profit	5.00%	8319
	Sub-Total		174694
4	Transportation on material	4.00%	5546
5	T&P on material cost	1.00%	1386
6	Contingencies on material	2.00%	2773
	Service Cost		386822
	Sub-Total		184399
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	369
	Sub-Total		184768
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	462
9	Insurance	1.00%	1848
10	Turnkey Charges	0.00%	0
	Total		187078

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	263344	187075
Total Cost of the Estimate	263344	187075

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1420

Estimate for 3 phase 5 wire with AAAC 55 mm² conductor for phase and ACSR Weasel for neutral using RSJ pole 125 X 75 mm 9 mtr

SR.NO.	DESCRIPTION OF MATERIALS.	UNIT	QTY	RT/UNIT(RS)	AMT.(RS)
1	RSJ 125x70, 9 m long	No.	20	7112.00	142240.00
2	AAAC 55 mm ²	Rmt	4300	36.00	154800.00
3	ACSR Weasel	Rmt	1100	24.00	26400.00
4	M.S.Flat 50 x 6 mm	Kg	24	65.00	1560.00
5	L.T.Shackle Insulator	No	96	15.00	1440.00
6	Aluminium Bobbins for neutral	No	24	41.00	984.00
7	L.T.Shackle hardware	pair	120	50.00	6000.00
8	Jointing Sleeves for AAC	No	4	43.00	172.00
9	PG Clamp	No	6	31.00	186.00
10	Earthing Sets L.T.	No	5	224.00	1120.00
11	L.T. Stay sets	No	8	637.00	5096.00
12	G.I.Stay Wire 7/3.15mm(10SWG)	Kg	72	72.00	5184.00
13	Stay Insulators	No	8	15.00	120.00
14	Binding Wire	Kg.	1.5	85.00	127.50
15	Binding Tape	Kg	1.5	60.00	90.00
16	G.I.Wire 8 SWG/ 6 SWG	Kg.	100	72.00	7200.00
17	Concreting ration 1:3:6	Cmt	2.4	4328.00	
18	L.T.Spacers 5 wire LT line	No	57	160.00	9120.00
19	Sundries such as N/B, Washers, Welding etc.	LS	1	3163.00	3163.00
20	Wedge connectors				
a)	Ant To Ant or equivalent AAAC	No	32	131.00	4192.00
b)	GNAT To GNAT or equivalent AAAC	No	24	131.00	3144.00

Cost of material

372338.50

1	Erection cost on material	15.00%	55851
2	Contractor supervision charges on material	5.00%	18617
	Sub-Total		446806
3	Contractor's Profit	5.00%	22340
	Sub-Total		469147
4	Transportation on material	4.00%	14894
5	T&P on material cost	1.00%	3723
6	Contingencies on material	2.00%	7447
	Service Cost		1038824
	Sub-Total		495210
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	990
	Sub-Total		496201
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1241
9	Insurance	1.00%	4962
10	Turnkey Charges	0.00%	0
	Total		502403

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	707220	502396
Total Cost of the Estimate	707220	502396

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1423

L.T. LINE 3 ph 4 W. on 125 X 70mm, 9m RSJ pole With AAAC 55 sqmm for phase & ACSR Weasel for neutral

SR.NO.	DESCRIPTION OF MATERIALS.	UNIT	QTY	RT/UNIT(RS)	AMT.(RS)
1	RSJ 125x70, 9 m long	No.	20	7112.00	142240.00
2	AAAC 55 mm2	Rmt	3200	36.00	115200.00
3	ACSR Weasel	Rmt	1100	24.00	26400.00
4	M.S.Flat 50 x 6 mm	Kg	24	65.00	1560.00
5	L.T.Shackle Insulator	No	72	15.00	1080.00
6	Aluminium Bobbins for neutral	No.	24	41.00	984.00
7	L.T.Shackle hardware	Pair	96	50.00	4800.00
8	Jointing Sleeves for AAC	No	4	43.00	172.00
9	PG Clamp	No	6	31.00	186.00
10	Earthing Sets L.T.	No	5	224.00	1120.00
11	L.T. Stay sets	No	8	637.00	5096.00
12	G.I.Stay Wire 7/3.15mm(10SWG)	Kg	72	72.00	5184.00
13	Stay Insulators	No	8	15.00	120.00
14	Binding Wire	Kg.	1.5	85.00	127.50
15	Binding Tape	Kg	1.5	60.00	90.00
16	G.I.Wire 8 SWG/ 6 SWG	Kg.	100	72.00	7200.00
17	Concreting ration 1:3:6	Cmt	2.4	4328.00	
18	L.T.Spacers 4 wire LT line	No	57	140.00	7980.00
19	Sundries such as N/B, Washers, Welding etc.	LS	1	3163.00	3163.00
20	Wedge connectors				
a)	Ant To Ant or equivalent AAAC	No	32	131.00	4192.00
b)	GNAT To GNAT or equivalent AAAC	No	24	131.00	3144.00

Cost of material

330038.50

1	Erection cost on material	15.00%	49506
2	Contractor supervision charges on material	5.00%	16502
	Sub-Total		396046
3	Contractor's Profit	5.00%	19802
	Sub-Total		415849
4	Transportation on material	4.00%	13202
5	T&P on material cost	1.00%	3300
6	Contingencies on material	2.00%	6601
	Service Cost		920807
	Sub-Total		438951
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	878
	Sub-Total		439829
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1100
9	Insurance	1.00%	4398
10	Turnkey Charges	0.00%	0

Total

445327

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	626875	445321
Total Cost of the Estimate	626875	445321

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1424

L.T. LINE 3 ph 4 W. on 125 X 70mm, 8m RSJ pole With AAAC 55 sqmm for phase & ACSR Weasel for neutral

SR.NO.	DESCRIPTION OF MATERIALS.	UNIT	QTY	RT/UNIT(RS)	AMT.(RS)
1	RSJ 125x70, 8 m long	No.	20	6322.00	126440.00
2	AAAC 55 mm2	Rmt	3200	36.00	115200.00
3	ACSR Weasel	Rmt	1100	24.00	26400.00
4	M.S.Flat 50 x 6 mm	Kg	24	65.00	1560.00
5	L.T.Shackle Insulator	No	72	15.00	1080.00
6	Aluminium Bobbins for neutral	No.	24	41.00	984.00
7	L.T.Shackle hardware	Pair	96	50.00	4800.00
8	Jointing Sleeves for AAC	No	4	43.00	172.00
9	PG Clamp	No	6	31.00	186.00
10	Earthing Sets L.T.	No	5	224.00	1120.00
11	L.T. Stay sets	No	8	637.00	5096.00
12	G.I.Stay Wire 7/3.15mm(10SWG)	Kg	72	72.00	5184.00
13	Stay Insulators	No	8	15.00	120.00
14	Binding Wire	Kg.	1.5	85.00	127.50
15	Binding Tape	Kg	1.5	60.00	90.00
16	G.I.Wire 8 SWG/ 6 SWG	Kg.	100	72.00	7200.00
17	Concreting ration 1:3:6	Cmt	2.4	4328.00	
18	L.T.Spacers 4 wire LT line	No	57	140.00	7980.00
19	Sundries such as N/B, Washers, Welding etc.	LS	1	3163.00	3163.00
20	Wedge connectors				
a)	Ant To Ant or equivalent AAAC	No	32	131.00	4192.00
b)	GNAT To GNAT or equivalent AAAC	No	24	131.00	3144.00
Cost of material					314238.50

1	Erection cost on material	15.00%	47136
2	Contractor supervision charges on material	5.00%	15712
	Sub-Total		377086
3	Contractor's Profit	5.00%	18854
	Sub-Total		395941
4	Transportation on material	4.00%	12570
5	T&P on material cost	1.00%	3142
6	Contingencies on material	2.00%	6285
	Service Cost		876725
	Sub-Total		417937
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	836
	Sub-Total		418773
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1047
9	Insurance	1.00%	4188
10	Turnkey Charges	0.00%	0

Total

424008

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	596865	424002
Total Cost of the Estimate	596865	424002

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.1425

3 phase 5 wire LT line with AAAC 55 sqmm for phase and ACSR Weasel for neutral on PSC pole, 8 mtr., 200 Kg

Sr. No.	DESCRIPTION OF MATERIALS.	UNIT	QTY	Rate/Unit Rs.	Amount Rs.
1	PSC Pole 8 Mtr (200 KG)	No	20.00	2447.00	48940.00
2	AAAC 55 mm2	Rmt	3100.00	36.00	111600.00
3	ACSR Weasel	Rmt	2100.00	24.00	50400.00
4	MS angle 50x50x6 mm	Kg	150.00	70.00	10500.00
5	M.S. Flats(50 X 10mm)	Kg	40.00	65.00	2600.00
6	L.T.Shackle Insulator	No	96.00	15.00	1440.00
7	Aluminium Bobbins for neutral	No.	24	41.00	984.00
8	L.T.Shackle hardware	Pair	120.00	50.00	6000.00
9	Jointing Sleeves for AAC	No	5.00	43.00	215.00
10	PG Clamp	No	6.00	31.00	186.00
11	Earthing Sets L.T.	Set	5.00	224.00	1120.00
12	L.T. Stay sets	Set	8.00	637.00	5096.00
13	G.I.Stay Wire 7/3.15mm(10SWG)	Kg.	100.00	72.00	7200.00
14	Stay Insulators	No	8.00	15.00	120.00
15	Binding Wire	Kg	1.80	85.00	153.00
16	Binding Tape	Kg	1.80	60.00	108.00
17	G.I.Wire 8 SWG/ 6 SWG	Kg.	100.00	72.00	7200.00
18	Red Oxide Paint for 2 coats	Ltr	25.00	124.00	3100.00
19	L.T.Spacers 5 wire LT line	No	76.00	160.00	12160.00
20	G.I.Nut Bolts	Kg	57.00	112.00	6384.00
21	Wedge connectors				
a)	Ant To Ant or equivalent AAAC	No	32	131.00	4192.00
b)	GNAT To GNAT or equivalent AAAC	No	24	131.00	3144.00
21	Sundries	LS	1.00	886.00	886.00
	Cost of Material				283728.00

1	Erection cost on material	15.00%	42559
2	Contractor supervision charges on material	5.00%	14186
	Sub-Total		340474
3	Contractor's Profit	5.00%	17024
	Sub-Total		357497
4	Transportation on material	4.00%	11349
5	T&P on material cost	1.00%	2837
6	Contingencies on material	2.00%	5675
	Service Cost		791601
	Sub-Total		377358
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	755
	Sub-Total		378113
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	945
9	Insurance	1.00%	3781
10	Turnkey Charges	0.00%	0
	Total		382839

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	538913	382834
Total Cost of the Estimate	538913	382834

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.1425A

3 phase 5 wire LT line with AAAC 55 sqmm for phase and ACSR Weasel for neutral on PSC pole, 8 mtr., 140 Kg

Sr. No.	DESCRIPTION OF MATERIALS.	UNIT	QTY	Rate/Unit Rs.	Amount Rs.
1	PSC Pole 8 Mtr (140 KG)	No	20.00	2178.00	43560.00
2	AAAC 55 mm2	Rmt	3100.00	36.00	111600.00
3	ACSR Weasel	Rmt	2100.00	24.00	50400.00
4	MS angle 50x50x6 mm	Kg	150.00	70.00	10500.00
5	M.S. Flats(50 X 10mm)	Kg	40.00	65.00	2600.00
6	L.T.Shackle Insulator	No	96.00	15.00	1440.00
7	Aluminium Bobbins for neutral	No.	24	41.00	984.00
7	L.T.Shackle hardware	Pair	120.00	50.00	6000.00
8	Jointing Sleeves for AAC	No	5.00	43.00	215.00
9	PG Clamp	No	6.00	31.00	186.00
10	Earthing Sets L.T.	Set	5.00	224.00	1120.00
11	L.T. Stay sets	Set	8.00	637.00	5096.00
12	G.I.Stay Wire 7/3.15mm(10SWG)	Kg.	100.00	72.00	7200.00
13	Stay Insulators	No	8.00	15.00	120.00
14	Binding Wire	Kg	1.80	85.00	153.00
15	Binding Tape	Kg	1.80	60.00	108.00
16	G.I.Wire 8 SWG/ 6 SWG	Kg.	100.00	72.00	7200.00
17	Red Oxide Paint for 2 coats	Ltr	25.00	124.00	3100.00
18	L.T.Spacers 5 wire LT line	No	76.00	160.00	12160.00
19	G.I.Nut Bolts	Kg	57.00	112.00	6384.00
20	Wedge connectors				
a)	Ant To Ant or equivalent AAAC	No	32	131.00	4192.00
b)	GNAT To GNAT or equivalent AAAC	No	24	131.00	3144.00
21	Sundries	LS	1.00	886.00	886.00
	Cost of Material				278348.00

1	Erection cost on material	15.00%	41752
2	Contractor supervision charges on material	5.00%	13917
	Sub-Total		334018
3	Contractor's Profit	5.00%	16701
	Sub-Total		350718
4	Transportation on material	4.00%	11134
5	T&P on material cost	1.00%	2783
6	Contingencies on material	2.00%	5567
	Service Cost		776591
	Sub-Total		370203
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	740
	Sub-Total		370943
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	927
9	Insurance	1.00%	3709
10	Turnkey Charges	0.00%	0
	Total		375580

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	528694	375575
Total Cost of the Estimate	528694	375575

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1501

L.T. LINE 1 ph 3 W. -with ACSR Weasel for phase & neutral with PSC Pole 8 Mtr (200 KG)

SR.NO.	DESCRIPTION OF MATERIALS.	UNIT	QTY	RT/UNIT(RS)	AMT.(RS)
1	PSC Pole 8 Mtr (200 KG)	No.	22	2447.00	53834.00
2	ACSR Weasel	Rmt	3150	24.00	75600.00
3	M.S.Flat 50 x 6 mm	Kg	60	65.00	3900.00
4	L.T.Shackle Insulator	No	52	15.00	780.00
5	Aluminium Bobbins for neutral	No.	26	41.00	1066.00
6	L.T.Shackle hardware	Pair	104	50.00	5200.00
7	Jointing Sleeves for AAC	No	3	43.00	129.00
8	PG Clamp	No	6	31.00	186.00
9	Earthing Sets L.T.	No	5	224.00	1120.00
10	L.T. Stay sets	No	8	637.00	5096.00
11	G.I.Stay Wire 7/3.15mm(10SWG)	Kg	96	72.00	6912.00
12	Stay Insulators	No	8	15.00	120.00
13	Binding Wire	Kg.	2	85.00	170.00
14	Binding Tape	Kg	2	60.00	120.00
15	G.I.Wire 8 SWG/ 6 SWG	Kg.	100	72.00	7200.00
16	Concreting ration 1:3:6	LS	1	4328.00	4328.00
17	L.T.Spacers 3 wire LT line	No	63	127.00	8001.00
18	Sundries such as N/B, Washers, Welding etc.	LS	1	3163.00	3163.00
19	Wedge connectors				
a)	GNAT To GNAT or equivalent AAC	No	32	131.00	4192.00

Cost of material

181117.00

1	Erection cost on material	15.00%	27168
2	Contractor supervision charges on material	5.00%	9056
	Sub-Total		217340
3	Contractor's Profit	5.00%	10867
	Sub-Total		228207
4	Transportation on material	4.00%	7245
5	T&P on material cost	1.00%	1811
6	Contingencies on material	2.00%	3622
	Service Cost		505316
	Sub-Total		240886
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	482
	Sub-Total		241367
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	603
9	Insurance	1.00%	2414
10	Turnkey Charges	0.00%	0

Total

244384

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	344014	244381
Total Cost of the Estimate	344014	244381

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1501A

L.T. LINE 1 ph 3 W. -with ACSR Weasel for phase & neutral with PSC Pole 8 Mtr (140 KG)

SR.NO.	DESCRIPTION OF MATERIALS.	UNIT	QTY	RT/UNIT(RS)	AMT.(RS)
1	PSC Pole 8 Mtr (140 KG)	No.	22	2178.00	47916.00
2	ACSR Weasel	Rmt	3150	24.00	75600.00
3	M.S.Flat 50 x 6 mm	Kg	60	65.00	3900.00
4	L.T.Shackle Insulator	No	52	15.00	780.00
5	Aluminium Bobbins for neutral	No.	26	41.00	1066.00
6	L.T.Shackle hardware	Pair	104	50.00	5200.00
7	Jointing Sleeves for AAC	No	3	43.00	129.00
8	PG Clamp	No	6	31.00	186.00
9	Earthing Sets L.T.	No	5	224.00	1120.00
10	L.T. Stay sets	No	8	637.00	5096.00
11	G.I.Stay Wire 7/3.15mm(10SWG)	Kg	96	72.00	6912.00
12	Stay Insulators	No	8	15.00	120.00
13	Binding Wire	Kg.	2	85.00	170.00
14	Binding Tape	Kg	2	60.00	120.00
15	G.I.Wire 8 SWG/ 6 SWG	Kg.	100	72.00	7200.00
16	Concreting ration 1:3:6	LS	1	4328.00	4328.00
17	L.T.Spacers 3 wire LT line	No	63	127.00	8001.00
18	Sundries such as N/B, Washers, Welding etc.	LS	1	3163.00	3163.00
19	Wedge connectors				
a)	GNAT To GNAT or equivalent AAC	No	32	131.00	4192.00

Cost of material

175199.00

1	Erection cost on material	15.00%	26280
2	Contractor supervision charges on material	5.00%	8760
	Sub-Total		210239
3	Contractor's Profit	5.00%	10512
	Sub-Total		220751
4	Transportation on material	4.00%	7008
5	T&P on material cost	1.00%	1752
6	Contingencies on material	2.00%	3504
	Service Cost		488805
	Sub-Total		233015
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	466
	Sub-Total		233481
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	584
9	Insurance	1.00%	2335
10	Turnkey Charges	0.00%	0

Total

236399

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	332773	236396
Total Cost of the Estimate	332773	236396

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1502

L.T. LINE 1 ph 2 W. - with ACSR Weasel for phase & neutral with PSC Pole 8 Mtr (200 KG)

SR.NO.	DESCRIPTION OF MATERIALS.	UNIT	QTY	RT/UNIT	AMT.(RS)
1	PSC Pole 8 Mtr (200 KG)	No.	22	2447.00	53834.00
2	ACSR Weasel	Rmt	2100	24.00	50400.00
3	M.S.Flat 50 x 6 mm	Kg	40	65.00	2600.00
4	L.T.Shackle Insulator	No	26	15.00	390.00
5	Aluminium Bobbins for neutral	No.	26	41.00	1066.00
6	L.T.Shackle hardware	Pair	78	50.00	3900.00
7	Jointing Sleeves for AAC	No	2	43.00	86.00
8	PG Clamp	No	6	31.00	186.00
9	Earthing Sets L.T.	No	5	224.00	1120.00
10	L.T. Stay sets	No	8	637.00	5096.00
11	G.I.Stay Wire 7/3.15mm(10SWG)	Kg	96	72.00	6912.00
12	Stay Insulators	No	8	15.00	120.00
13	Binding Wire	Kg.	1.5	85.00	127.50
14	Binding Tape	Kg	1.5	60.00	90.00
15	G.I.Wire 8 SWG/ 6 SWG	Kg.	100	72.00	7200.00
16	Concreting ration 1:3:6	LS	1	4328.00	4328.00
17	L.T.Spacers 2 wire LT line	No	63	105.00	6615.00
18	Sundries such as N/B, Washers, Welding etc.	LS	1	3163.00	3163.00
19	Wedge connectors				
a)	GNAT To GNAT or equivalent AAAC	No	24	131.00	3144.00

Cost of material

150377.50

1	Erection cost on material	15.00%	22557
2	Contractor supervision charges on material	5.00%	7519
	Sub-Total		180453
3	Contractor's Profit	5.00%	9023
	Sub-Total		189476
4	Transportation on material	4.00%	6015
5	T&P on material cost	1.00%	1504
6	Contingencies on material	2.00%	3008
	Service Cost		419553
	Sub-Total		200002
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	400
	Sub-Total		200402
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	501
9	Insurance	1.00%	2004
10	Turnkey Charges	0.00%	0

Total

202907

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	285627	202904
Total Cost of the Estimate	285627	202904

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1502A

L.T. LINE 1 ph 2 W. - with ACSR Weasel for phase & neutral with PSC Pole 8 Mtr (140 KG)

SR.NO.	DESCRIPTION OF MATERIALS.	UNIT	QTY	RT/UNIT	AMT.(RS)
1	PSC Pole 8 Mtr (140 KG)	No.	22	2178.00	47916.00
2	ACSR Weasel	Rmt	2100	24.00	50400.00
3	M.S.Flat 50 x 6 mm	Kg	40	65.00	2600.00
4	L.T.Shackle Insulator	No	26	15.00	390.00
5	Aluminium Bobbins for neutral	No.	26	41.00	1066.00
5	L.T.Shackle hardware	Pair	78	50.00	3900.00
6	Jointing Sleeves for AAC	No	2	43.00	86.00
7	PG Clamp	No	6	31.00	186.00
8	Earthing Sets L.T.	No	5	224.00	1120.00
9	L.T. Stay sets	No	8	637.00	5096.00
10	G.I.Stay Wire 7/3.15mm(10SWG)	Kg	96	72.00	6912.00
11	Stay Insulators	No	8	15.00	120.00
12	Binding Wire	Kg.	1.5	85.00	127.50
13	Binding Tape	Kg	1.5	60.00	90.00
14	G.I.Wire 8 SWG/ 6 SWG	Kg.	100	72.00	7200.00
15	Concreting ration 1:3:6	LS	1	4328.00	4328.00
16	L.T.Spacers 2 wire LT line	No	63	105.00	6615.00
17	Sundries such as N/B, Washers, Welding etc.	LS	1	3163.00	3163.00
18	Wedge connectors				
a)	GNAT To GNAT or equivalent AAC	No	24	131.00	3144.00

Cost of material

144459.50

1	Erection cost on material	15.00%	21669
2	Contractor supervision charges on material	5.00%	7223
	Sub-Total		173351
3	Contractor's Profit	5.00%	8668
	Sub-Total		182019
4	Transportation on material	4.00%	5778
5	T&P on material cost	1.00%	1445
6	Contingencies on material	2.00%	2889
	Service Cost		403042
	Sub-Total		192131
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	384
	Sub-Total		192515
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	481
9	Insurance	1.00%	1925
10	Turnkey Charges	0.00%	0

Total

194922

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	274386	194919
Total Cost of the Estimate	274386	194919

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1503

1 phase 2 Wire LT line with ACSR Weasel for phase and GNAT for neutral on 125 X 70 mm, RSJ 9 Mtr long Pole

S.No.	Description	Unit	Qty.	Rate	Amount
1	RSJ 125x70, 9 m long	No	16	7112.00	113792.00
2	MS Flat 50 X 8 mm	Kg	24	65.00	1560.00
3	ACSR Weasel	Rmt	1100	24.00	26400.00
4	ACSR Weasel	Rmt	1100	24.00	26400.00
5	L.T.Shackle Insulator	No	20	15.00	300.00
6	Aluminium Bobbins for neutral	No.	20	41.00	820.00
7	L.T.Shackle hardware	Pair	60	50.00	3000.00
8	Jointing Sleeves for AAC	No	2	43.00	86.00
9	PG Clamp	No	4	31.00	124.00
10	Earthing Sets L.T.	Set	5	224.00	1120.00
11	L.T. Stay sets	Set	8	637.00	5096.00
12	G.I.Stay Wire 7/3.15mm(10SWG)	Kg.	72	72.00	5184.00
13	Stay Insulators	No	8	15.00	120.00
14	Binding Wire	Kg	2	85.00	170.00
15	Binding Tape	Kg	2	60.00	120.00
16	G.I.Wire 8 SWG/ 6 SWG	Kg.	75	72.00	5400.00
17	L.T.Spacers 2 wire LT line	No	45	105.00	4725.00
18	Wedge connectors				
a)	Ant To Ant or equivalent AAAC	No	12	131.00	1572.00
b)	GNAT To GNAT or equivalent AAAC	No	12	131.00	1572.00
19	Sundries such as N/B, Washers, Welding etc.	LS	1	3163.00	3163.00
	Cost of material				200724.00

1	Erection cost on material	15.00%	30109
2	Contractor supervision charges on material	5.00%	10036
	Sub-Total		240869
3	Contractor's Profit	5.00%	12043
	Sub-Total		252912
4	Transportation on material	4.00%	8029
5	T&P on material cost	1.00%	2007
6	Contingencies on material	2.00%	4014
	Service Cost		560020
	Sub-Total		266963
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	534
	Sub-Total		267497
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	669
9	Insurance	1.00%	2675
10	Turnkey Charges	0.00%	0

Total

270841

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	381255	270837
Total Cost of the Estimate	381255	270837

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1504

1 phase 2 Wire LT line with AAAC 55 sqmm for phase and ACSR Weasel for neutral on PSC Pole 8 Mtr (200 KG).

S.No.	Description	Unit	Qty.	Rate	Amount
1	PSC Pole 8 Mtr (200 KG)	No	16	2447.00	39152.00
2	MS Flat 50 X 8 mm	Kg	24	65.00	1560.00
3	AAAC 55 mm2	Rmt	1100.00	36.00	39600.00
4	ACSR Weasel	Rmt	1100	24.00	26400.00
5	L.T.Shackle Insulator	No	20	15.00	300.00
6	Aluminium Bobbins for neutral	No.	20	41.00	820.00
7	L.T.Shackle hardware	Pair	60	50.00	3000.00
8	Jointing Sleeves for AAC	No	2	43.00	86.00
9	PG Clamp	No	4	31.00	124.00
10	Earthing Sets L.T.	Set	5	224.00	1120.00
11	L.T. Stay sets	Set	8	637.00	5096.00
12	G.I.Stay Wire 7/3.15mm(10SWG)	Kg.	72	72.00	5184.00
13	Stay Insulators	No	8	15.00	120.00
14	Binding Wire	Kg	2	85.00	170.00
15	Binding Tape	Kg	2	60.00	120.00
16	G.I.Wire 8 SWG/ 6 SWG	Kg.	75	72.00	5400.00
17	L.T.Spacers 2 wire LT line	No	45	105.00	4725.00
18	Wedge connectors				
a)	Ant To Ant or equivalent AAAC	No	12	131.00	1572.00
b)	GNAT To GNAT or equivalent AAAC	No	12	131.00	1572.00
19	Sundries such as N/B, Washers, Welding etc.	LS	1	3163.00	3163.00
	Cost of material				139284.00

1	Erection cost on material	15.00%	20893
2	Contractor supervision charges on material	5.00%	6964
	Sub-Total		167141
3	Contractor's Profit	5.00%	8357
	Sub-Total		175498
4	Transportation on material	4.00%	5571
5	T&P on material cost	1.00%	1393
6	Contingencies on material	2.00%	2786
	Service Cost		388602
	Sub-Total		185248
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	370
	Sub-Total		185618
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	464
9	Insurance	1.00%	1856
10	Turnkey Charges	0.00%	0

Total

187938

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	264556	187936
Total Cost of the Estimate	264556	187936

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1504A

1 phase 2 Wire LT line with AAAC 55 sqmm for phase and ACSR Weasel for neutral on PSC Pole 8 Mtr (140 KG).

S.No.	Description	Unit	Qty.	Rate	Amount
1	PSC Pole 8 Mtr (140 KG)	No	16	2178.00	34848.00
2	MS Flat 50 X 8 mm	Kg	24	65.00	1560.00
3	AAAC 55 mm ²	Rmt	1100.00	36.00	39600.00
4	ACSR Weasel	Rmt	1100	24.00	26400.00
5	L.T.Shackle Insulator	No	20	15.00	300.00
6	Aluminium Bobbins for neutral	No.	20	41.00	820.00
7	L.T.Shackle hardware	Pair	60	50.00	3000.00
8	Jointing Sleeves for AAC	No	2	43.00	86.00
9	PG Clamp	No	4	31.00	124.00
10	Earthing Sets L.T.	Set	5	224.00	1120.00
11	L.T. Stay sets	Set	8	637.00	5096.00
12	G.I.Stay Wire 7/3.15mm(10SWG)	Kg.	72	72.00	5184.00
13	Stay Insulators	No	8	15.00	120.00
14	Binding Wire	Kg	2	85.00	170.00
15	Binding Tape	Kg	2	60.00	120.00
16	G.I.Wire 8 SWG/ 6 SWG	Kg.	75	72.00	5400.00
17	L.T.Spacers 2 wire LT line	No	45	105.00	4725.00
18	Wedge connectors				
a)	Ant To Ant or equivalent AAAC	No	12	131.00	1572.00
b)	GNAT To GNAT or equivalent AAAC	No	12	131.00	1572.00
19	Sundries such as N/B, Washers, Welding etc.	LS	1	3163.00	3163.00
	Cost of material				134980.00

1	Erection cost on material	15.00%	20247
2	Contractor supervision charges on material	5.00%	6749
	Sub-Total		161976
3	Contractor's Profit	5.00%	8099
	Sub-Total		170075
4	Transportation on material	4.00%	5399
5	T&P on material cost	1.00%	1350
6	Contingencies on material	2.00%	2700
	Service Cost		376594
	Sub-Total		179523
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	359
	Sub-Total		179882
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	450
9	Insurance	1.00%	1799
10	Turnkey Charges	0.00%	0

Total

182131

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	256381	182129
Total Cost of the Estimate	256381	182129

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1505

1 phase 2 Wire LT line with AAAC 55 sqmm for phase and ACSR Weasel for neutral on RSJ 125 X 70, 8mtr.

S.No.	Description	Unit	Qty.	Rate	Amount
1	RSJ 125x70, 8 m long	No	16	6322.00	101152.00
2	MS Flat 50 X 8 mm	Kg	24	65.00	1560.00
3	ACSR Weasel	Rmt	1100	24.00	26400.00
4	AAAC 55 mm2	Rmt	1100	36.00	39600.00
5	L.T.Shackle Insulator	No	20	15.00	300.00
6	Aluminium Bobbins for neutral	No.	20	41.00	820.00
7	L.T.Shackle hardware	Pair	60	50.00	3000.00
8	Jointing Sleeves for AAC	No	2	43.00	86.00
9	PG Clamp	No	4	31.00	124.00
10	Earthing Sets L.T.	Set	5	224.00	1120.00
11	L.T. Stay sets	Set	8	637.00	5096.00
12	G.I.Stay Wire 7/3.15mm(10SWG)	Kg.	72	72.00	5184.00
13	Stay Insulators	No	8	15.00	120.00
14	Binding Wire	Kg	2	85.00	170.00
15	Binding Tape	Kg	2	60.00	120.00
16	G.I.Wire 8 SWG/ 6 SWG	Kg.	75	72.00	5400.00
17	Wedge connectors				
a)	Ant To Ant or equivalent AAAC	No	12	131.00	1572.00
b)	GNAT To GNAT or equivalent AAAC	No	12	131.00	1572.00
18	L.T.Spacers 2 wire LT line	No	45	105.00	4725.00
19	Sundries such as N/B, Washers, Welding etc.	LS	1	3163.00	3163.00
	Cost of material				201284.00

1	Erection cost on material	15.00%	30193
2	Contractor supervision charges on material	5.00%	10064
	Sub-Total		241541
3	Contractor's Profit	5.00%	12077
	Sub-Total		253618
4	Transportation on material	4.00%	8051
5	T&P on material cost	1.00%	2013
6	Contingencies on material	2.00%	4026
	Service Cost		561582
	Sub-Total		267708
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	535
	Sub-Total		268243
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	671
9	Insurance	1.00%	2682
10	Turnkey Charges	0.00%	0

Total

271596

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	382319	271593
Total Cost of the Estimate	382319	271593

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1603

11 KV ,25 KVA Dist. Transformer centers on 100x116mm, 9 mtrs RSJ poles with MCCB Dist. Box.

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	11 / .433 KV 25 KVA Transformer	No.	1	64780.00	64780.00
2	RSJ 116x100, 9 m long	No	2	12493.00	24986.00
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 25/63 KVA with MCCB	No.	1	15522.00	15522.00
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
15	11KV A.B. Switch, 400 A	No.	1	11642.00	11642.00
16	Danger Board in yard.	No.	2	87.00	174.00
17	G.I.Wire 8 SWG/ 6 SWG	Kg.	25	72.00	1800.00
18	G.I.Barbed Wire 'A' type.	kg.	15	80.00	1200.00
19	Concreting ration 1:3:6	CMT.	2	4328.00	8656.00
20	Painting/Hardware & support with numbering of pole	L.S.	1	259.00	259.00
21	DTC Metring with Box, single core L.T. XLPE cable (16 sq.mm., 120 mtr length) and other allied material.	No.	1	13439.00	13439.00
22	Sundries	L.S.	1	886.00	886.00

Cost of material

168414.00

1	Erection cost on material	15.00%	25262
2	Contractor supervision charges on material	5.00%	8421
	Sub-Total		202097
3	Contractor's Profit	5.00%	10105
	Sub-Total		212202
4	Transportation on material	4.00%	6737
5	T&P on material cost	1.00%	1684
6	Contingencies on material	2.00%	3368
	Service Cost		469875
	Sub-Total		223991
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	448
	Sub-Total		224439
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	561
9	Insurance	1.00%	2244
10	Turnkey Charges	0.00%	0
	Total		227244

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	319886	227241
Total Cost of the Estimate	319886	227241

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 01605

Cost data for 22 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	PSC Pole 9 Mtr (200 KG)	No.	18	2983.00	53694.00
2	MS Channel 100x50x6 mm	Kg.	140	70.00	9800.00
3	M.S.Channel 75x40x6 mm	Kg.	150	70.00	10500.00
4	MS angle 50x50x6 mm	Kg.	72	70.00	5040.00
5	22 KV V cross arm with clamp	No.	12	1223.00	14676.00
6	22 KV Top Fitting	No.	12	516.00	6192.00
7	M.S. Flats(50 X 10mm)	Kg.	37	65.00	2405.00
8	G.I.Nut Bolts	Kg.	90	112.00	10080.00
9	22 kV Pin Insulators with G.I. Pins	No.	51	406.00	20706.00
10	Disc Insulator 11 KV 45 KN	No.	72	295.00	21240.00
11	Strain Hardware for 55 Sq.mm AAAC	Set	24	175.00	4200.00
12	AAAC 55 mm2	Rmt	3100	36.00	111600.00
13	Steve Joints	No.	3	145.00	435.00
14	H.T.Stay Set	Set	12	807.00	9684.00
15	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	88	72.00	6336.00
16	Earthing Sets H.T	Set	18	462.00	8316.00
17	G.I.Barbed Wire 'A' type.	Kg.	77	80.00	6160.00
18	Danger Board in yard.	No.	18	87.00	1566.00
19	Concreting ration 1:3:6	Cmt.	20	4328.00	86560.00
20	G.I.Wire 8 SWG/ 6 SWG	Kg.	100	72.00	7200.00
21	Painting of Supports & fabricated materials	LS	1	178.00	178.00
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	24	131.00	3144.00

Cost of material

397454.00

Assumption:

- 1) 4- cut points (including 1- rightangle cut point in 1 km.)
- 2) Average span lengthe - 60 mtrs.
- 3) Conceriting for all poles, struts & stages. (1:4:8)

Cost of material

397454.00

1	Erection cost on material	15.00%	59618
2	Contractor supervision charges on material	5.00%	19873
	Sub-Total		476945
3	Contractor's Profit	5.00%	23847
	Sub-Total		500792
4	Transportation on material	4.00%	15898
5	T&P on material cost	1.00%	3975
6	Contingencies on material	2.00%	7949
	Service Cost		1108897
	Sub-Total		528614
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1057
	Sub-Total		529671
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1324
9	Insurance	1.00%	5297
10	Turnkey Charges	0.00%	0

Total

536292

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	754924	536285
Total Cost of the Estimate	754924	536285

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 01606

Cost data for 22 KV Single circuit Pin type with 55sq.mm AAAC lines on 9 mtr RSJ poles

(A) HT Line :

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	RSJ 116x100, 9 m long	No.	18	12493.00	224874.00
2	RSJ 116x100, 8 m long	No.	5	11105.00	55525.00
3	MS Channel 100x50x6 mm	Kg.	140	70.00	9800.00
4	M.S.Channel 75x40x6 mm	Kg.	150	70.00	10500.00
5	MS angle 50x50x6 mm	Kg.	72	70.00	5040.00
6	M.S. Flats(50 X 10mm)	Kg.	37	65.00	2405.00
7	22 KV V cross arm with clamp	No.	12	1223.00	14676.00
8	22 KV Top Fitting	No.	12	516.00	6192.00
9	G.I.Nut Bolts	Kg.	90	112.00	10080.00
10	22 kv Pin Insulators with G.I. Pins	No.	51	406.00	20706.00
11	Disc Insulator 11 KV 45 KN	No.	72	295.00	21240.00
12	Strain Hardware for 55 Sq.mm AAAC	Set	36	175.00	6300.00
13	AAAC 55 mm2	Rmt	3100	36.00	111600.00
14	Sleve Joints	No.	3	145.00	435.00
15	H.T.Stay Set	Set	11	807.00	8877.00
16	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	88	72.00	6336.00
17	Earthing Sets H.T	Set	18	462.00	8316.00
18	G.I.Barbed Wire 'A' type.	Kg.	77	80.00	6160.00
19	Danger Board in yard.	No.	18	87.00	1566.00
20	Concreting ration 1:3:6	Cmt.	20	4328.00	86560.00
21	G.I.Wire 8 SWG/ 6 SWG	Kg.	100	72.00	7200.00
22	Black Bituminus Paint	Ltr.	6	150.00	900.00
23	Red Oxide Paint for 2 coats	Ltr.	20	124.00	2480.00
24	Aluminium Paint for 1 coat	Ltr.	9	260.00	2340.00
25	Sundries	LS	1	886.00	886.00
26	Minor Fabrication, binding tape, wire, etc.				
27	Wedge connectors				
a)	RABIT To RABIT or equivalent AAAC	No	24	131.00	3144.00

Cost of material

630994.00

Assumption:

- 1) 4- cut points (including 1- rightangle cut point in 1 km.)
- 2) Average span lengthe - 60 mtrs.
- 3) Conceriting for all poles, struts & stages. (1:4:8)
- 4) 5 strut support considered.

Cost of material

630994.00

1	Erection cost on material	15.00%	94649
2	Contractor supervision charges on material	5.00%	31550
	Sub-Total		757193
3	Contractor's Profit	5.00%	37860
	Sub-Total		795052
4	Transportation on material	4.00%	25240
5	T&P on material cost	1.00%	6310
6	Contingencies on material	2.00%	12620
	Service Cost		1760473
	Sub-Total		839222
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1678
	Sub-Total		840900
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	2102
9	Insurance	1.00%	8409
10	Turnkey Charges	0.00%	0

Total

851412

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1198510	851400
Total Cost of the Estimate	1198510	851400

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 01607

Cost data for 22 KV Single circuit Pin type with 100sq.mm AAAC lines on 9 mtr RSJ poles

(A) HT Line :

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	RSJ 116x100, 9 m long	No.	18	12493.00	224874.00
2	RSJ 116x100, 8 m long	No.	5	11105.00	55525.00
3	MS Channel 100x50x6 mm	Kg.	140	70.00	9800.00
4	M.S.Channel 75x40x6 mm	Kg.	150	70.00	10500.00
5	MS angle 50x50x6 mm	Kg.	66	70.00	4620.00
6	M.S. Flats(50 X 10mm)	Kg.	171	65.00	11115.00
7	22 KV V cross arm with clamp	No.	12	1223.00	14676.00
8	22 KV Top Fitting	No.	12	516.00	6192.00
9	G.I.Nut Bolts	Kg.	90	112.00	10080.00
10	22 kv Pin Insulators with G.I. Pins	No.	51	406.00	20706.00
11	Disc Insulator 11 KV 45 KN	No.	72	295.00	21240.00
12	Strain Hardware for Dog0.1 or Equ.AAAC.	Set	36	370.00	13320.00
13	AAAC 100 mm2	Rmt	3100	70.00	217000.00
14	Sleve Joints	No.	3	145.00	435.00
15	H.T.Stay Set	Set	11	807.00	8877.00
16	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	88	72.00	6336.00
17	Earthing Sets H.T	Set	18	462.00	8316.00
18	G.I.Barbed Wire 'A' type.	Kg.	77	80.00	6160.00
19	Danger Board in yard.	No.	18	87.00	1566.00
20	Concreting ration 1:3:6	Cmt.	20	4328.00	86560.00
21	G.I.Wire 8 SWG/ 6 SWG	Kg.	100	72.00	7200.00
22	Black Bituminus Paint	Ltr.	6	150.00	900.00
23	Red Oxide Paint for 2 coats	Ltr.	20	124.00	2480.00
24	Aluminium Paint for 1 coat	Ltr.	9	260.00	2340.00
25	Sundries	LS	1	886.00	886.00
26	Minor Fabrication, binding tape, wire, etc.				
27	Wedge connectors				
a)	DOG TO DOG or equivalent AAAC	No	24	642.00	15408.00

Cost of material

751704.00

Assumption:

- 1) 4- cut points (including 1- rightangle cut point in 1 km.)
- 2) Average span lengthe - 60 mtrs.
- 3) Conceriting for all poles, struts & stages. (1:4:8)
- 4) 5 strut support considered.

Cost of material

751704.00

1	Erection cost on material	15.00%	112756
2	Contractor supervision charges on material	5.00%	37585
	Sub-Total		902045
3	Contractor's Profit	5.00%	45102
	Sub-Total		947147
4	Transportation on material	4.00%	30068
5	T&P on material cost	1.00%	7517
6	Contingencies on material	2.00%	15034
	Service Cost		2097254
	Sub-Total		999766
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2000
	Sub-Total		1001766
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	2504
9	Insurance	1.00%	10018
10	Turnkey Charges	0.00%	0

Total

1014288

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1427787	1014274
Total Cost of the Estimate	1427787	1014274

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

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	PSC Pole 9 Mtr (200 KG)	No.	18	2983.00	53694.00
2	M.S.Channel 75x40x6 mm	Kg.	140	70.00	9800.00
3	11 kv guarding channel MS 75x40	Kg.	150	70.00	10500.00
4	11 KV V cross arm with clamp	No.	12	863.00	10356.00
5	11 KV Top fitting with clamp	No.	12	123.00	1476.00
6	MS angle 50x50x6 mm	Kg.	66	70.00	4620.00
7	M.S. Flats(50 X 10mm)	Kg.	171	65.00	11115.00
8	G.I.Nut Bolts	Kg.	90	112.00	10080.00
9	11 kV Pin Insulators with G.I. Pins	No.	51	120.00	6120.00
10	Disc Insulator 11 KV 45 KN	No.	72	295.00	21240.00
11	Strain Hardware for 55 Sq.mm AAAC	Set	36	175.00	6300.00
12	AAAC 55 mm2	Rmt	3100	36.00	111600.00
13	Sleve Joints	No.	3	145.00	435.00
14	H.T.Stay Set	Set	11	807.00	8877.00
15	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	88	72.00	6336.00
16	Earthing Sets H.T	Set	18	462.00	8316.00
17	G.I.Barbed Wire 'A' type.	Kg.	77	80.00	6160.00
18	Danger Board in yard.	No.	18	87.00	1566.00
19	Concreting ration 1:3:6	Cmt.	20	4328.00	86560.00
20	G.I.Wire 8 SWG/ 6 SWG	Kg.	100	72.00	7200.00
21	Painting of Supports & fabricated materials	LS	1	178.00	178.00
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	24	131.00	3144.00

Cost of material

386559.00

Assumption:

- 1) 4- cut points (including 1- rightangle cut point in 1 km.)
- 2) Average span lengthe - 60 mtrs.
- 3) Conceriting for all poles, struts & stages. (1:4:8)

Cost of material

386559.00

1	Erection cost on material	15.00%	57984
2	Contractor supervision charges on material	5.00%	19328
	Sub-Total		463871
3	Contractor's Profit	5.00%	23194
	Sub-Total		487064
4	Transportation on material	4.00%	15462
5	T&P on material cost	1.00%	3866
6	Contingencies on material	2.00%	7731
	Service Cost		1078500
	Sub-Total		514123
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1028
	Sub-Total		515152
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1288
9	Insurance	1.00%	5152
10	Turnkey Charges	0.00%	0

Total

521591

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	734230	521584
Total Cost of the Estimate	734230	521584

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 01609

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

(A) HT Line :

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	RSJ 116x100, 9 m long	No.	18	12493.00	224874.00
2	RSJ 116x100, 8 m long	No.	2	11105.00	22210.00
3	M.S.Channel 75x40x6 mm	Kg.	140	70.00	9800.00
4	11 kv guarding channel MS 75x40	Kg.	150	70.00	10500.00
5	11 KV V cross arm with clamp	No.	12	863.00	10356.00
6	11 KV Top fitting with clamp	No.	12	123.00	1476.00
7	MS angle 50x50x6 mm	Kg.	66	70.00	4620.00
8	M.S. Flats(50 X 10mm)	Kg.	171	65.00	11115.00
9	G.I.Nut Bolts	Kg.	90	112.00	10080.00
10	11 kv Pin Insulators with G.I. Pins	No.	51	120.00	6120.00
11	Disc Insulator 11 KV 45 KN	No.	72	295.00	21240.00
12	Strain Hardware for 55 Sq.mm AAAC	Set	36	175.00	6300.00
13	AAAC 55 mm2	Rmt	3100	36.00	111600.00
14	Sleve Joints	No.	3	145.00	435.00
15	H.T.Stay Set	Set	11	807.00	8877.00
16	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	88	72.00	6336.00
17	Earthing Sets H.T	Set	18	462.00	8316.00
18	G.I.Barbed Wire 'A' type.	Kg.	77	80.00	6160.00
19	Danger Board in yard.	No.	18	87.00	1566.00
20	Concreting ration 1:3:6	Cmt.	20	4328.00	86560.00
21	G.I.Wire 8 SWG/ 6 SWG	Kg.	100	72.00	7200.00
22	Black Bituminus Paint	Ltr.	6	150.00	900.00
23	Red Oxide Paint for 2 coats	Ltr.	20	124.00	2480.00
24	Aluminium Paint for 1 coat	Ltr.	9	260.00	2340.00
25	Sundries	LS	1	886.00	886.00
26	Minor Fabrication, binding tape, wire, etc.				
27	Wedge connectors				
a)	RABIT To RABIT or equivalent AAAC	No	24	131.00	3144.00

Cost of material

582347.00

Assumption:

- 1) 4- cut points (including 1- rightangle cut point in 1 km.)
- 2) Average span lengthe - 60 mtrs.
- 3) Conceriting for all poles, struts & stages. (1:4:8)
- 4) 2 strut support considered.

Cost of material

582347.00

1	Erection cost on material	15.00%	87352
2	Contractor supervision charges on material	5.00%	29117
	Sub-Total		698816
3	Contractor's Profit	5.00%	34941
	Sub-Total		733757
4	Transportation on material	4.00%	23294
5	T&P on material cost	1.00%	5823
6	Contingencies on material	2.00%	11647
	Service Cost		1624748
	Sub-Total		774522
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1549
	Sub-Total		776071
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1940
9	Insurance	1.00%	7761
10	Turnkey Charges	0.00%	0

Total

785771

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1106110	785761
Total Cost of the Estimate	1106110	785761

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 01610

Cost data for 11 KV Single circuit Pin type with 100sq.mm AAAC lines on 9 mtr RSJ poles

(A) HT Line :

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	RSJ 116x100, 9 m long	No.	18	12493.00	224874.00
2	RSJ 116x100, 8 m long	No.	2	11105.00	22210.00
3	M.S.Channel 75x40x6 mm	Kg.	140	70.00	9800.00
4	11 kv guarding channel MS 75x40	Kg.	150	70.00	10500.00
5	11 KV V cross arm with clamp	No.	12	863.00	10356.00
6	11 KV Top fitting with clamp	No.	12	123.00	1476.00
7	MS angle 50x50x6 mm	Kg.	66	70.00	4620.00
8	M.S. Flats(50 X 10mm)	Kg.	171	65.00	11115.00
9	G.I.Nut Bolts	Kg.	90	112.00	10080.00
10	11 kv Pin Insulators with G.I. Pins	No.	51	120.00	6120.00
11	Disc Insulator 11 KV 45 KN	No.	72	295.00	21240.00
12	Strain Hardware for Dog0.1 or Equ.AAAC.	Set	36	370.00	13320.00
13	AAAC 100 mm2	Rmt	3100	70.00	217000.00
14	Sleve Joints	No.	3	145.00	435.00
15	H.T.Stay Set	Set	11	807.00	8877.00
16	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	88	72.00	6336.00
17	Earthing Sets H.T	Set	18	462.00	8316.00
18	G.I.Barbed Wire 'A' type.	Kg.	77	80.00	6160.00
19	Danger Board in yard.	No.	18	87.00	1566.00
20	Concreting ration 1:3:6	Cmt.	20	4328.00	86560.00
21	G.I.Wire 8 SWG/ 6 SWG	Kg.	100	72.00	7200.00
22	Black Bituminus Paint	Ltr.	6	150.00	900.00
23	Red Oxide Paint for 2 coats	Ltr.	20	124.00	2480.00
24	Aluminium Paint for 1 coat	Ltr.	9	260.00	2340.00
25	Sundries	LS	1	886.00	886.00
26	Minor Fabrication, binding tape, wire, etc.				
27	Wedge connectors				
a)	DOG TO DOG or equivalent AAAC	No	24	642.00	15408.00

Cost of material

694767.00

Assumption:

- 1) 4- cut points (including 1- rightangle cut point in 1 km.)
- 2) Average span lengthe - 60 mtrs.
- 3) Conceriting for all poles, struts & stages. (1:4:8)
- 4) 5 strut support considered.

Cost of material

694767.00

1	Erection cost on material	15.00%	104215
2	Contractor supervision charges on material	5.00%	34738
	Sub-Total		833720
3	Contractor's Profit	5.00%	41686
	Sub-Total		875406
4	Transportation on material	4.00%	27791
5	T&P on material cost	1.00%	6948
6	Contingencies on material	2.00%	13895
	Service Cost		1938400
	Sub-Total		924040
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1848
	Sub-Total		925888
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	2315
9	Insurance	1.00%	9259
10	Turnkey Charges	0.00%	0

Total

937462

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1319640	937449
Total Cost of the Estimate	1319640	937449

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1611

11 KV ,25 KVA Dist. Transformer centers on 116 X 100 mm,11 mtrs RSJ poles with MCCB Dist box.

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	11 / .433 KV 25 KVA Transformer	No.	1	64780.00	64780.00
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 25/63 KVA with MCCB	No.	1	15522.00	15522.00
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	DTC Metring with Box, single core L.T. XLPE cable (16 sq.mm., 120 mtr length) and other allied material.	No.	1	13439.00	13439.00
21	Sundries	L.S.	1	886.00	886.00

Cost of material

173968.00

1	Erection cost on material	15.00%	26095
2	Contractor supervision charges on material	5.00%	8698
	Sub-Total		208762
3	Contractor's Profit	5.00%	10438
	Sub-Total		219200
4	Transportation on material	4.00%	6959
5	T&P on material cost	1.00%	1740
6	Contingencies on material	2.00%	3479
	Service Cost		485371
	Sub-Total		231377
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	463
	Sub-Total		231840
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	580
9	Insurance	1.00%	2318
10	Turnkey Charges	0.00%	0

Total

234738

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	330435	234735
Total Cost of the Estimate	330435	234735

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1701

Cost data for 11 KV Capacitor Bank at Dist. substation (on Existing pole).

Sr.No	Particulars	Unit	Qty.	RT/U Rs.	Amount
1	Capacitor banks without Switchgear 11 KV 0.6 MVAR	No.	1	52554.00	52554.00
2	Automatic capacitor switch 11 KV	No.	1	261290.00	261290.00
3	M.S.Channel 75x40x6 mm	Kg	50	70.00	3500.00
4	MS angle 50x50x6 mm	Kg.	10	70.00	700.00
5	M.S. Flats(50 X 10mm)	Kg.	10	65.00	650.00
6	Earthing Sets H.T	No.	2	462.00	924.00
7	Earthing materials	L.S.	1	500.00	500.00
8	Miscellaneous material	L.S.	1	518.00	518.00

Cost of material

320636.00

1	Erection cost on material	5.00%	16032
2	Contractor supervision charges on material	5.00%	16032
	Sub-Total		352700
3	Contractor's Profit	5.00%	17635
	Sub-Total		370335
4	Transportation on material	4.00%	12825
5	T&P on material cost	1.00%	3206
6	Contingencies on material	2.00%	6413
	Service Cost		795177
	Sub-Total		392779
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	786
	Sub-Total		393565
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	984
9	Insurance	1.00%	3936
10	Turnkey Charges	0.00%	0

Total

398484

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	562299	398230
Total Cost of the Estimate	562299	398230

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1702

Cost data for 11 KV Capacitor Bank at Dist. substation (on New double pole).

Sr.No	Particulars	Unit	Qty.	RT/U Rs.	Amount
A)	Capacitor bank				
1	Capacitor banks without Switchgear 11 KV 0.6 MVAR	No.	1	52554.00	52554.00
2	Automatic capacitor switch 11 KV	No.	1	261290.00	261290.00
B)	DOUPLE POLE STRUCTURE , 11 M LONG RSJ POLE				
3	RSJ 152x152, 11 m long	No.	2	24631.00	49262.00
4	M.S. Flats(50 X 10mm)	Kg.	10	65.00	650.00
5	MS Channel 100x50x6 mm	Kg.	110	70.00	7700.00
6	M.S.Channel 75x40x6 mm	Kg.	75	70.00	5250.00
7	MS angle 50x50x6 mm	Kg.	50	70.00	3500.00
8	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	6	370.00	2220.00
9	Disc Insulator 11 KV 70 KN	No.	6	326.00	1956.00
10	H.T.Stay Set	No.	2	807.00	1614.00
11	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	25	72.00	1800.00
12	Earthing Sets H.T	No	2	462.00	924.00
13	G.I.Wire 8 SWG/ 6 SWG	kg.	6	72.00	432.00
14	G.I.Barbed Wire 'A' type.	kg.	7	80.00	560.00
15	Danger Board in yard.	No.	2	87.00	174.00
16	Black Bituminus Paint	Ltr.	2	150.00	300.00
17	Red Oxide Paint for 2 coats	Ltr.	6	124.00	744.00
18	Aluminium Paint for 1 coat	Ltr.	4	260.00	1040.00
19	11 kV Pin Insulators with G.I. Pins	No.	2	120.00	240.00
20	L.As. 11 KV (Gapless type) with disconnector	No.	1	1531.00	1531.00
21	Concreting ration 1:3:6	Cmt.	2	4328.00	8656.00
20	Sundries	L.S.	1	886.00	886.00

Cost of material

403283.00

1	Erection cost on material	5.00%	20164
2	Contractor supervision charges on material	5.00%	20164
	Sub-Total		443611
3	Contractor's Profit	5.00%	22181
	Sub-Total		465792
4	Transportation on material	4.00%	16131
5	T&P on material cost	1.00%	4033
6	Contingencies on material	2.00%	8066
	Service Cost		1000142
	Sub-Total		494022
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	988
	Sub-Total		495010
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1238
9	Insurance	1.00%	4950
10	Turnkey Charges	0.00%	0

Total

501197

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	707237	500877
Total Cost of the Estimate	707237	500877

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1703

Cost Data for 11 KV Station Type 1.2 MVAR Capacitor Bank with 0.2 % Reactor for rural area

Sr.No.	Description of Material	Unit	Qty.	Rate in Rs.	Amt.
1	11 KV Lightning Arrestors (Station type)	Set	1	8400.00	8400.00
2	11 kv, Single phase, outdoor NCT	Nos.	1	17160.00	17160.00
	11 KV CT 400 - 200 / 5 - 5 Outdoor	Nos.	3	14007.00	42021.00
3	1.2 MVAR, 11 kv Capacitor Bank	Set	1	142043.00	142043.00
4	11KV A.B. Switch, 400 A	Nos.	1	11642.00	11642.00
2	11 KV Isolators with EB (800 A)	Set	1	37832.00	37832.00
5	11 KV Isolators without EB (800 Amp.)	Set	1	33554.00	33554.00
6	11 KV VCB 800 A Outdoor	Set	1	148594.00	148594.00
7	Structure , clamps, painting etc. as per sht. No. 1	L.S.	1	42910.00	42910.00
8	C&R Panel for 11 kv Outgoing Feeder OD	Nos.	1	62803.00	62803.00
9	0.9688 KVAR, 11 kv, 1 Ph, Al winded series reactor	Set	1	55464.00	55464.00
10	Earthing Sets H.T	L.S.	17	462.00	7854.00

Cost of material

610277.00

1	Erection cost on material	5.00%	30514
2	Contractor supervision charges on material	5.00%	30514
	Sub-Total		671305
3	Contractor's Profit	5.00%	33565
	Sub-Total		704870
4	Transportation on material	4.00%	24411
5	T&P on material cost	1.00%	6103
6	Contingencies on material	2.00%	12206
	Service Cost		1513487
	Sub-Total		747589
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1495
	Sub-Total		749085
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	1386
9	Insurance	1.00%	7491
10	Turnkey Charges	0.00%	0

Total

757961

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	1070243	757964
Total Cost of the Estimate	1070243	757964

Cost data of Structure for 11 KV Station Capacitor Bank

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 11 KV CT	Kg.	50	70.00	3500.00
2	Structure for 11 KV L.A.	Kg.	155	70.00	10850.00
3	Structure for Breaker and Capacitors	Kg.	360	70.00	25200.00
4	G.I.Nut Bolts	Kg.	30	112.00	3360.00
	Total:				42910.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1704

Cost Data for 11 KV Station Type 2.4 MVAR Capacitor Bank with 0.2 % Reactor for any area

Sr.No.	Description of Material	Unit	Qty.	Rate in Rs.	Amt.
1	11 KV Lightning Arrestors (Station type)	Set	1	8400.00	8400.00
2	11 kv, Single phase, outdoor NCT	Nos.	1	17160.00	17160.00
	11 KV CT 400 - 200 / 5 - 5 Outdoor	Nos.	3	14007.00	42021.00
3	2.4 MVAR, 11 kv Capacitor Bank	Set	1	288877.00	288877.00
4	11KV A.B. Switch, 400 A	Nos.	1	11642.00	11642.00
2	11 KV Isolators with EB (800 A)	Set	1	37832.00	37832.00
5	11 KV Isolators without EB (800 Amp.)	Set	1	33554.00	33554.00
6	11 KV VCB 800 A Outdoor	Set	1	148594.00	148594.00
7	Structure , clamps, painting etc. as per sht. No. 1	L.S.	1	42910.00	42910.00
8	C&R Panel for 11 kv Outgoing Feeder OD	Nos.	1	62803.00	62803.00
9	1.93 KVAR, 11 kv, 1 Ph, Al winded series reactor	Set	1	65864.00	65864.00
10	Earthing Sets H.T	L.S.	17	462.00	7854.00

Cost of material

767511.00

1	Erection cost on material	5.00%	38376
2	Contractor supervision charges on material	5.00%	38376
	Sub-Total		844262
3	Contractor's Profit	5.00%	42213
	Sub-Total		886475
4	Transportation on material	4.00%	30700
5	T&P on material cost	1.00%	7675
6	Contingencies on material	2.00%	15350
	Service Cost		1903427
	Sub-Total		940201
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1880
	Sub-Total		942081
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	1743
9	Insurance	1.00%	9421
10	Turnkey Charges	0.00%	0

Total

953245

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	1345984	953249
Total Cost of the Estimate	1345984	953249

Cost data of Structure for 11 KV Station Capacitor Bank

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 11 KV CT	Kg.	50	70.00	3500.00
2	Structure for 11 KV L.A.	Kg.	155	70.00	10850.00
3	Structure for Breaker and Capacitors	Kg.	360	70.00	25200.00
4	G.I.Nut Bolts	Kg.	30	112.00	3360.00
	Total:				42910.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1705

Cost Data for 11 KV Station Type 3.0 MVAR Capacitor Bank with 0.2 % Reactor for Rural area

Sr.No.	Description of Material	Unit	Qty.	Rate in Rs.	Amt.
1	11 KV Lightning Arrestors (Station type)	Set	1	8400.00	8400.00
2	11 kv, Single phase, outdoor NCT	Nos.	1	17160.00	17160.00
	11 KV CT 400 - 200 / 5 - 5 Outdoor	Nos.	3	14007.00	42021.00
3	3.0 MVAR, 11 kv Capacitor Bank	Set	1	350118.00	350118.00
4	11KV A.B. Switch, 400 A	Nos.	1	11642.00	11642.00
2	11 KV Isolators with EB (800 A)	Set	1	37832.00	37832.00
5	11 KV Isolators without EB (800 Amp.)	Set	1	33554.00	33554.00
6	11 KV VCB 800 A Outdoor	Set	1	148594.00	148594.00
7	Structure , clamps, painting etc. as per sht. No. 1	L.S.	1	42910.00	42910.00
8	C&R Panel for 11 kv Outgoing Feeder OD	Nos.	1	62803.00	62803.00
9	2.42 KVAR, 11 kv, 1 Ph, Al winded series reactor	Set	1	107462.00	107462.00
10	Earthing Sets H.T	L.S.	17	462.00	7854.00

Cost of material

870350.00

1	Erection cost on material	5.00%	43518
2	Contractor supervision charges on material	5.00%	43518
	Sub-Total		957385
3	Contractor's Profit	5.00%	47869
	Sub-Total		1005254
4	Transportation on material	4.00%	34814
5	T&P on material cost	1.00%	8704
6	Contingencies on material	2.00%	17407
	Service Cost		2158468
	Sub-Total		1066179
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2132
	Sub-Total		1068311
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	1976
9	Insurance	1.00%	10683
10	Turnkey Charges	0.00%	0

Total

1080971

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	1526333	1080975
Total Cost of the Estimate	1526333	1080975

Cost data of Structure for 11 KV Station Capacitor Bank

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 11 KV CT	Kg.	50	70.00	3500.00
2	Structure for 11 KV L.A.	Kg.	155	70.00	10850.00
3	Structure for Breaker and Capacitors	Kg.	360	70.00	25200.00
4	G.I.Nut Bolts	Kg.	30	112.00	3360.00
	Total:				42910.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1706

Cost Data for 11 KV Station Type 3.0 MVAR Capacitor Bank with 6 % Reactor for Urban area

Sr.No.	Description of Material	Unit	Qty.	Rate in Rs.	Amt.
1	11 KV Lightning Arrestors (Station type)	Set	1	8400.00	8400.00
2	11 kV, Single phase, outdoor NCT	Nos.	1	17160.00	17160.00
	11 KV CT 400 - 200 / 5 - 5 Outdoor	Nos.	3	14007.00	42021.00
3	3.0 MVAR, 11 kV Capacitor Bank	Set	1	350118.00	350118.00
4	11KV A.B. Switch, 400 A	Nos.	1	11642.00	11642.00
2	11 KV Isolators with EB (800 A)	Set	1	37832.00	37832.00
5	11 KV Isolators without EB (800 Amp.)	Set	1	33554.00	33554.00
6	11 KV VCB 800 A Outdoor	Set	1	148594.00	148594.00
7	Structure , clamps, painting etc. as per sht. No. 1	L.S.	1	59211.00	59211.00
8	C&R Panel for 11 kV Outgoing Feeder OD	Nos.	1	62803.00	62803.00
9	72 kVAr, 11 kV series reactor	Set	1	319154.00	319154.00
10	Earthing Sets H.T	L.S.	17	462.00	7854.00

Cost of material

1098343.00

1	Erection cost on material	5.00%	54917
2	Contractor supervision charges on material	5.00%	54917
	Sub-Total		1208177
3	Contractor's Profit	5.00%	60409
	Sub-Total		1268586
4	Transportation on material	4.00%	43934
5	T&P on material cost	1.00%	10983
6	Contingencies on material	2.00%	21967
	Service Cost		2723891
	Sub-Total		1345470
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2691
	Sub-Total		1348161
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	2494
9	Insurance	1.00%	13482
10	Turnkey Charges	0.00%	0

Total

1364137

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	1926164	1364142
Total Cost of the Estimate	1926164	1364142

Cost data of Structure for 11 KV Station Capacitor Bank

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 11 KV CT	Kg.	50	70.00	3500.00
2	Structure for 11 KV L.A.	Kg.	155	70.00	10850.00
3	Structure for Breaker and Capacitors	Kg.	360	70.00	25200.00
4	Structure for Series Reactor(set)	L.S.	1	16301.00	16301.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
	Total:				59211.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1707

Cost Data for 22 KV Station Type 1.2 MVAR Capacitor Bank with 0.2 % Reactor for rural area

Sr.No.	Description of Material	Unit	Qty.	Rate in Rs.	Amt.
1	22 KV Lightning Arrestors (Station type)	Set	1	13866.00	13866.00
2	22 kV, Single phase, outdoor NCT	Nos.	1	23760.00	23760.00
3	22 KV C.T. Three core.	Nos.	3	32999.00	98997.00
4	1.2 MVAR, 22 kV Capacitor Bank	Set	1	263178.00	263178.00
5	22KV A.B.Switch, 400 A	Nos.	1	18203.00	18203.00
6	22 KV Isolators with EB (800 A)	Set	1	52349.00	52349.00
7	22 KV Isolators without EB (800 Amp.)	Set	1	44957.00	44957.00
8	22 KV VCB complete 800 Amp (O.D.)	Set	1	189048.00	189048.00
9	Structure , clamps, painting etc. as per sht. No. 1	L.S.	1	42910.00	42910.00
10	C&R panel for 22 KV feeder breaker	Nos.	1	62803.00	62803.00
11	0.48 KVAR, 22 kv, 1 Ph, Al winded series reactor	Set	1	110560.00	110560.00
12	Earthing Sets H.T	L.S.	17	462.00	7854.00

Cost of material

928485

1	Erection cost on material	5.00%	46424
2	Contractor supervision charges on material	5.00%	46424
	Sub-Total		1021334
3	Contractor's Profit	5.00%	51067
	Sub-Total		1072400
4	Transportation on material	4.00%	37139
5	T&P on material cost	1.00%	9285
6	Contingencies on material	2.00%	18570
	Service Cost		2302643
	Sub-Total		1137394
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2275
	Sub-Total		1139669
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	2108
9	Insurance	1.00%	11397
10	Turnkey Charges	0.00%	0

Total

1153174

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	1628284	1153178
Total Cost of the Estimate	1628284	1153178

Cost data of Structure for 22 KV Station Capacitor Bank

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 22 KV CT	Kg.	50	70.00	3500.00
2	Structure for 22 KV L.A.	Kg.	155	70.00	10850.00
3	Structure for Breaker and Capacitors	Kg.	360	70.00	25200.00
4	G.I.Nut Bolts	Kg.	30	112.00	3360.00
	Total:				42910.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1708

Cost Data for 22 KV Station Type 2.4 MVAR Capacitor Bank with 0.2 % Reactor for any area

Sr.No.	Description of Material	Unit	Qty.	Rate in Rs.	Amt.
1	22 KV Lightning Arrestors (Station type)	Set	1	13866.00	13866.00
2	22 kV, Single phase, outdoor NCT	Nos.	1	23760.00	23760.00
3	22 KV C.T. Three core.	Nos.	3	32999.00	98997.00
4	2.4 MVAR, 22 kV Capacitor Bank	Set	1	362921.00	362921.00
5	22KV A.B.Switch, 400 A	Nos.	1	18203.00	18203.00
6	22 KV Isolators with EB (800 A)	Set	1	52349.00	52349.00
7	22 KV Isolators without EB (800 Amp.)	Set	1	44957.00	44957.00
8	22 KV VCB complete 800 Amp (O.D.)	Set	1	189048.00	189048.00
9	Structure , clamps, painting etc. as per sht. No. 1	L.S.	1	42910.00	42910.00
10	C&R panel for 22 KV feeder breaker	Nos.	1	62803.00	62803.00
11	0.97 KVAR, 22 kv, 1 Ph, Al winded series reactor	Set	1	144208.00	144208.00
12	Earthing Sets H.T	L.S.	17	462.00	7854.00

Cost of material

1061876.00

1	Erection cost on material	5.00%	53094
2	Contractor supervision charges on material	5.00%	53094
	Sub-Total		1168064
3	Contractor's Profit	5.00%	58403
	Sub-Total		1226467
4	Transportation on material	4.00%	42475
5	T&P on material cost	1.00%	10619
6	Contingencies on material	2.00%	21238
	Service Cost		2633452
	Sub-Total		1300798
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2602
	Sub-Total		1303400
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	2411
9	Insurance	1.00%	13034
10	Turnkey Charges	0.00%	0

Total

1318845

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	1862212	1318850
Total Cost of the Estimate	1862212	1318850

Cost data of Structure for 22 KV Station Capacitor Bank

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 22 KV CT	Kg.	50	70.00	3500.00
2	Structure for 22 KV L.A.	Kg.	155	70.00	10850.00
3	Structure for Breaker and Capacitors	Kg.	360	70.00	25200.00
4	G.I.Nut Bolts	Kg.	30	112.00	3360.00
	Total:				42910.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1709

Cost Data for 22 KV Station Type 3.0 MVAR Capacitor Bank with 0.2 % Reactor for Rural area

Sr.No.	Description of Material	Unit	Qty.	Rate in Rs.	Amt.
1	22 KV Lightning Arrestors (Station type)	Set	1	13866.00	13866.00
2	22 kv, Single phase, outdoor NCT	Nos.	1	23760.00	23760.00
	22 KV C.T. Three core.	Nos.	3	32999.00	98997.00
3	3.0 MVAR, 22 kv Capacitor Bank	Set	1	486698.00	486698.00
4	22KV A.B.Switch, 400 A	Nos.	1	18203.00	18203.00
2	22 KV Isolators with EB (800 A)	Set	1	52349.00	52349.00
5	22 KV Isolators without EB (800 Amp.)	Set	1	44957.00	44957.00
6	22 KV VCB complete 800 Amp (O.D.)	Set	1	189048.00	189048.00
7	Structure , clamps, painting etc. as per sht. No. 1	L.S.	1	42910.00	42910.00
8	C&R panel for 22 KV feeder breaker	Nos.	1	62803.00	62803.00
9	1.32 KVAR, 22 kv, 1 Ph, Al winded series reactor	Set	1	173048.00	173048.00
10	Earthing Sets H.T	L.S.	17	462.00	7854.00

Cost of material

1214493.00

1	Erection cost on material	5.00%	60725
2	Contractor supervision charges on material	5.00%	60725
	Sub-Total		1335942
3	Contractor's Profit	5.00%	66797
	Sub-Total		1402739
4	Transportation on material	4.00%	48580
5	T&P on material cost	1.00%	12145
6	Contingencies on material	2.00%	24290
	Service Cost		3011943
	Sub-Total		1487754
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2976
	Sub-Total		1490729
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	2758
9	Insurance	1.00%	14907
10	Turnkey Charges	0.00%	0

Total

1508395

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	2129856	1508400
Total Cost of the Estimate	2129856	1508400

Cost data of Structure for 22 KV Station Capacitor Bank

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 22 KV CT	Kg.	50	70.00	3500.00
2	Structure for 22 KV L.A.	Kg.	155	70.00	10850.00
3	Structure for Breaker and Capacitors	Kg.	360	70.00	25200.00
4	G.I.Nut Bolts	Kg.	30	112.00	3360.00
	Total:				42910.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1710

Cost Data for 22 KV Station Type 3.0 MVAR Capacitor Bank with 6 % Reactor for Urban area

Sr.No.	Description of Material	Unit	Qty.	Rate in Rs.	Amt.
1	22 KV Lightning Arrestors (Station type)	Set	1	13866.00	13866.00
2	22 kV, Single phase, outdoor NCT	Nos.	1	23760.00	23760.00
3	22 KV C.T. Three core.	Nos.	3	32999.00	98997.00
4	3.0 MVAR, 22 kV Capacitor Bank	Set	1	486698.00	486698.00
5	22KV A.B.Switch, 400 A	Nos.	1	18203.00	18203.00
6	22 KV Isolators with EB (800 A)	Set	1	52349.00	52349.00
7	22 KV Isolators without EB (800 Amp.)	Set	1	44957.00	44957.00
8	22 KV VCB complete 800 Amp (O.D.)	Set	1	189048.00	189048.00
9	Structure , clamps, painting etc. as per sht. No. 1	L.S.	1	70393.00	70393.00
10	C&R panel for 22 KV feeder breaker	Nos.	1	62803.00	62803.00
11	79.2 kVAr, 22 kV series reactor	Set	1	522750.00	522750.00
12	Earthing Sets H.T	L.S.	17	462.00	7854.00

Cost of material

1591678.00

1	Erection cost on material	5.00%	79584
2	Contractor supervision charges on material	5.00%	79584
	Sub-Total		1750846
3	Contractor's Profit	5.00%	87542
	Sub-Total		1838388
4	Transportation on material	4.00%	63667
5	T&P on material cost	1.00%	15917
6	Contingencies on material	2.00%	31834
	Service Cost		3947361
	Sub-Total		1949806
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	3900
	Sub-Total		1953705
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	3614
9	Insurance	1.00%	19537
10	Turnkey Charges	0.00%	0

Total

1976857

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	2791326	1976864
Total Cost of the Estimate	2791326	1976864

Cost data of Structure for 22 KV Station Capacitor Bank

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 22 KV CT	Kg.	50	70.00	3500.00
2	Structure for 22 KV L.A.	Kg.	155	70.00	10850.00
3	Structure for Breaker and Capacitors	Kg.	360	70.00	25200.00
4	Structure for Series Reactor(set) 22 kV	L.S.	1	27483.00	27483.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
	Total:				70393.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 2001

Supply, Erection, Testing & Commissioning of LT 6--WAY Feeder Pillars

Sr. No.	Particulars	Unit	Qty	Rate (Rs.)	Amount (Rs.)
1	LT Feeder Pillar 6 Way	No	1	40296.00	40296.00
2	Earthing with GI pipe	No	2	393.00	786.00
3	G.I.Strip (25 X 3 mm)	KG	2	90.00	180.00
4	Sundries	L. S.	1	886.00	886.00
5	Concreting ration 1:3:6	L. S.	1	4328.00	4328.00

Cost of material

46476.00

1	Erection cost on material	15.00%	6971
2	Contractor supervision charges on material	5.00%	2324
	Sub-Total		55771
3	Contractor's Profit	5.00%	2789
	Sub-Total		58560
4	Transportation on material	4.00%	1859
5	T&P on material cost	1.00%	465
6	Contingencies on material	2.00%	930
	Service Cost		129668
	Sub-Total		61813
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	124
	Sub-Total		61937
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	155
9	Insurance	1.00%	619
10	Turnkey Charges	0.00%	0
	Total		62711

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	88277	62710
Total Cost of the Estimate	88277	62710

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 2001A

Supply, Erection, Testing & Commissioning of LT 8--WAY Feeder Pillars

Sr. No.	Particulars	Unit	Qty	Rate (Rs.)	Amount (Rs.)
1	LT Feeder Pillar 8 Way	No	1	52757.00	52757.00
2	Earthing with GI pipe	No	2	393.00	786.00
3	G.I.Strip (25 X 3 mm)	KG	2	90.00	180.00
4	Sundries	L. S.	1	886.00	886.00
5	Concreting ration 1:3:6	L. S.	1	4328.00	4328.00

Cost of material

58937.00

1	Erection cost on material	15.00%	8841
2	Contractor supervision charges on material	5.00%	2947
	Sub-Total		70724
3	Contractor's Profit	5.00%	3536
	Sub-Total		74261
4	Transportation on material	4.00%	2357
5	T&P on material cost	1.00%	589
6	Contingencies on material	2.00%	1179
	Service Cost		164434
	Sub-Total		78386
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	157
	Sub-Total		78543
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	196
9	Insurance	1.00%	785
10	Turnkey Charges	0.00%	0
	Total		79525

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	111945	79524
Total Cost of the Estimate	111945	79524

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 2002

Supply, Erection, Testing & Commissioning of LT 4--WAY Feeder Pillars

Sr. No.	Particulars	Unit	Qty	Rate (Rs.)	Amount (Rs.)
1	L.T. Feedar Pillar 4 Way	No	1	31657.00	31657.00
2	Earthing with GI pipe	No	2	393.00	786.00
3	G.I.Strip (25 X 3 mm)	kG	2	90.00	180.00
4	Sundries		1	886.00	886.00
5	Concreting ration 1:3:6	L. S.	1	4328.00	4328.00

Cost of material

37837.00

1	Erection cost on material	15.00%	5676
2	Contractor supervision charges on material	5.00%	1892
	Sub-Total		45404
3	Contractor's Profit	5.00%	2270
	Sub-Total		47675
4	Transportation on material	4.00%	1513
5	T&P on material cost	1.00%	378
6	Contingencies on material	2.00%	757
	Service Cost		105565
	Sub-Total		50323
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	101
	Sub-Total		50424
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	126
9	Insurance	1.00%	504
10	Turnkey Charges	0.00%	0

Total

51054

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	71868	51053
Total Cost of the Estimate	71868	51053

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 2003

Supply, Erection, Testing & Commissioning of LT mini Feeder Pillars

Sr. No.	Particulars	Unit	Qty	Rate (Rs.)	Amount (Rs.)
1	L.T. Mini Feeder Pillar	No	1	12185.00	12185.00
2	Earthing with GI pipe	No	2	393.00	786.00
3	G.I.Strip (25 X 3 mm)	kG	2	90.00	180.00
4	Sundries		1	886.00	886.00
5	Concreting ration 1:3:6	L. S.	1	4328.00	4328.00
Cost of material					18365.00

1	Erection cost on material	15.00%	2755
2	Contractor supervision charges on material	5.00%	918
Sub-Total			22038
3	Contractor's Profit	5.00%	1102
Sub-Total			23140
4	Transportation on material	4.00%	735
5	T&P on material cost	1.00%	184
6	Contingencies on material	2.00%	367
Service Cost			51238
Sub-Total			24425
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	49
Sub-Total			24474
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	61
9	Insurance	1.00%	245
10	Turnkey Charges	0.00%	0
Total			24780

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	34882	24780
Total Cost of the Estimate	34882	24780

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5101

Upgradation of 33 KV Lines 80 sq mm to 100 sq mm conductor

Sr.No.	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
1	AAAC 100 mm2	Rmt	3150	70.00	220500.00
2	RSJ 152x152, 10 m long	no	4	22391.00	89564.00
3	MS Channel 100x50x6 mm	Kg.	108	70.00	7560.00
4	MS angle 50x50x6 mm	Kg.	71	70.00	4970.00
5	M.S. Flats(50 X 10mm)	Kg.	45	65.00	2925.00
6	Disc Insulator 11 KV 70 KN	No.	6	326.00	1956.00
7	Tension Hardware for 100 sq.mm Conductor.	No.	6	392.00	2352.00
8	33 kV Pin Insulators with G.I. Pins	No.	12	486.00	5832.00
9	G.I.Wire 8 SWG/ 6 SWG	Kg.	16	72.00	1152.00
10	Sleve Joints	No.	3	145.00	435.00
11	Danger Board in yard.	No.	4	87.00	348.00
12	Earthing Sets H.T	No.	4	462.00	1848.00
13	Concreting ration 1:3:6	cmt.	2	4328.00	8656.00
14	G.I.Barbed Wire 'A' type.	Kg.	15	80.00	1200.00
15	Black Bituminus Paint	Ltr.	6	150.00	900.00
16	Red Oxide Paint for 2 coats	Ltr.	20	124.00	2480.00
17	Aluminium Paint for 1 coat	Ltr.	9	260.00	2340.00
18	Sundries such as N/B, Washers, Welding etc.	LS	1	3163.00	3163.00
19	Wedge connectors				
a)	DOG TO DOG or equivalent AAAC	No	24	642.00	15408.00
	Cost of material				373589.00

1	Erection cost on material	15.00%	56038
2	Contractor supervision charges on material	5.00%	18679
	Sub-Total		448307
3	Contractor's Profit	5.00%	22415
	Sub-Total		470722
4	Transportation on material	4.00%	14944
5	T&P on material cost	1.00%	3736
6	Contingencies on material	2.00%	7472
	Service Cost		1042313
	Sub-Total		496873
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	994
	Sub-Total		497867
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1245
9	Insurance	1.00%	4979
10	Turnkey Charges	0.00%	0
	Total		504090

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	709595	504084
Total Cost of the Estimate	709595	504084

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5102

Cost data of Upgradation of 33 KV Line by AAAC 232 sqmm Cond..

Sr.No.	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
1	AAAC 232 mm2	Rmt	3100	162.00	502200.00
2	RSJ 152x152, 13 m long	no	4	29109.00	116436.00
3	G.I.Channel 100x50x6mm	Kg.	108	95.00	10260.00
4	G.I.Angle 50x50x6mm	Kg.	71	95.00	6745.00
5	G.I Flat 50x10 mm	Kg.	45	90.00	4050.00
6	Disc Insulator 11 KV 70 KN	No.	6	326.00	1956.00
7	Strain Hardware for AAAC232 sq.mm.	No.	6	693.00	4158.00
8	33 kV Pin Insulators with G.I. Pins	No.	12	486.00	5832.00
9	G.I.Wire 8 SWG/ 6 SWG	Kg.	16	72.00	1152.00
10	Sleve Joints	No.	3	145.00	435.00
11	Danger Board in yard.	No.	4	87.00	348.00
12	Earthing Sets H.T	No.	4	462.00	1848.00
13	Concreting ration 1:3:6	cmt.	2	4328.00	8656.00
14	G.I.Barbed Wire 'A' type.	Kg.	15	80.00	1200.00
15	Sundries such as N/B, Washers, Welding etc.	LS	1	3163.00	3163.00
16	Wedge connectors				
a)	PANTHER TO PANTHER or equivalent AAAC	No	18	826.00	14868.00
	Cost of material				683307.00

1	Erection cost on material	15.00%	102496
2	Contractor supervision charges on material	5.00%	34165
	Sub-Total		819968
3	Contractor's Profit	5.00%	40998
	Sub-Total		860967
4	Transportation on material	4.00%	27332
5	T&P on material cost	1.00%	6833
6	Contigencies on material	2.00%	13666
	Service Cost		1906427
	Sub-Total		908798
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1818
	Sub-Total		910616
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	2277
9	Insurance	1.00%	9106
10	Turnkey Charges	0.00%	0
	Total		921999

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1297873	921986
Total Cost of the Estimate	1297873	921986

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5103

Replacement of old HT cable by new XLPE cable size 33 kV, 3 C, 300 sq. mm.

Sr. No.	Particulars	Unit	Qty	Rate (Rs.)	Amount (Rs.)
1	XLPE Cable 33 KV, 3 C / 300 mm sq.	Rmt	1000.00	2179.00	2179000.00
2	R.C.C. Pipe 150 mm 2 M	No	30.00	629.00	18870.00
3	Half round cement pipe (150mm X 1mtr)	No.	940.00	157.00	147580.00
4	33 kV Heat shrik Straight through joint (Al) kit for XLPE 3 C X 300 sqmm	Kit	4.00	38376.00	153504.00
5	33 kV Heat shrik Outdoor termination joint (Al) kit for XLPE 3 C X 300 sqmm	Kit	2.00	19789.00	39578.00
6	Sand	Cmt	250.00	280.00	70000.00
7	Sundries	LS	1.00	886.00	886.00

Cost of material

2609418.00

1	Erection cost on material	15.00%	391413
2	Contractor supervision charges on material	5.00%	130471
	Sub-Total		3131302
3	Contractor's Profit	5.00%	156565
	Sub-Total		3287867
4	Transportation on material	4.00%	104377
5	T&P on material cost	1.00%	26094
6	Contingencies on material	2.00%	52188
	Service Cost		7280276
	Sub-Total		3470526
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	6941
	Sub-Total		3477467
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour ccess)	0.25%	8694
9	Insurance	1.00%	34775
10	Turnkey Charges	0.00%	0

Total

3520935

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	4956329	3520888
Total Cost of the Estimate	4956329	3520888

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5104

Replacement of old HT O/D termination joints for 33 kV, 3 C, 300 sq. mm. XLPE cable

Sr.No.	Description	Unit	Qty.	Rate	Amount
1	33 kV Heat shrik Outdoor termination joint (Al) kit for XLPE 3 C X 300 sqmm	No	1	19789.00	19789.00
2	Sundries	LS	1	886.00	886.00
	Cost of Material				20675.00

1	Erection cost on material	15.00%	3101
2	Contractor supervision charges on material	5.00%	1034
	Sub-Total		24810
3	Contractor's Profit	5.00%	1241
	Sub-Total		26051
4	Transportation on material	4.00%	827
5	T&P on material cost	1.00%	207
6	Contingencies on material	2.00%	414
	Service Cost		57683
	Sub-Total		27498
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	55
	Sub-Total		27553
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	69
9	Insurance	1.00%	276
10	Turnkey Charges	0.00%	0
	Total		27897

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	39270	27897
Total Cost of the Estimate	39270	27897

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5105

Replacement of old HT I/D termination joints for 33 kV, 3 C, 300 sq. mm. XLPE cable

Sr.No.	Description	Unit	Qty.	Rate	Amount
1	33 kV Heat shrik Indoor termination joint (Al) kit for XLPE 3 C X 300 sqmm	No	1	14711.00	14711.00
2	Sundries	LS	1	886.00	886.00
	Cost of Material				15597.00

1	Erection cost on material	15.00%	2340
2	Contractor supervision charges on material	5.00%	780
	Sub-Total		18716
3	Contractor's Profit	5.00%	936
	Sub-Total		19652
4	Transportation on material	4.00%	624
5	T&P on material cost	1.00%	156
6	Contingencies on material	2.00%	312
	Service Cost		43516
	Sub-Total		20744
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	41
	Sub-Total		20785
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	52
9	Insurance	1.00%	208
10	Turnkey Charges	0.00%	0
	Total		21045

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	29625	21045
Total Cost of the Estimate	29625	21045

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5106

Replacement of old HT I/D straight through joints for 33 kV, 3 C, 300 sq. mm. XLPE cable

Sr.No.	Description	Unit	Qty.	Rate	Amount
1	33 kV Heat shrik Straight through joint (AI) kit for XLPE 3 C X 300 sqmm	No	1	38376.00	38376.00
2	Sundries	LS	1	886.00	886.00
	Cost of Material				39262.00

1	Erection cost on material	15.00%	5889
2	Contractor supervision charges on material	5.00%	1963
	Sub-Total		47114
3	Contractor's Profit	5.00%	2356
	Sub-Total		49470
4	Transportation on material	4.00%	1570
5	T&P on material cost	1.00%	393
6	Contingencies on material	2.00%	785
	Service Cost		109541
	Sub-Total		52218
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	104
	Sub-Total		52323
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	131
9	Insurance	1.00%	523
10	Turnkey Charges	0.00%	0
	Total		52977

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	74574	52976
Total Cost of the Estimate	74574	52976

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5202

Upgradation of 22 KV Line

Sr.No.	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
1	AAAC 100 mm2	Rmt	3150	70.00	220500.00
2	RSJ 152x152, 10 m long	no	4	22391.00	89564.00
3	MS Channel 100x50x6 mm	Kg.	108	70.00	7560.00
4	MS angle 50x50x6 mm	Kg.	71	70.00	4970.00
5	M.S. Flats(50 X 10mm)	Kg.	45	65.00	2925.00
6	Disc Insulator 11 KV 70 KN	No.	12	326.00	3912.00
7	Tension Hardware for 100 sq.mm Conductor.	No.	6	392.00	2352.00
8	22 kV Pin Insulators with G.I. Pins	No.	12	406.00	4872.00
9	G.I.Wire 8 SWG/ 6 SWG	Kg.	16	72.00	1152.00
10	Sleve Joints	No.	3	145.00	435.00
11	Danger Board in yard.	No.	4	87.00	348.00
12	Earthing Sets H.T	No.	4	462.00	1848.00
13	Concreting ration 1:3:6	cmt.	2	4328.00	8656.00
14	G.I.Barbed Wire 'A' type.	Kg.	15	80.00	1200.00
15	Black Bituminus Paint	Ltr.	6	150.00	900.00
16	Red Oxide Paint for 2 coats	Ltr.	20	124.00	2480.00
17	Aluminium Paint for 1 coat	Ltr.	9	260.00	2340.00
18	Sundries such as N/B, Washers, Welding etc.	LS	1	3163.00	3163.00
19	Wedge connectors				
a)	DOG TO DOG or equivalent AAAC	No	24	642.00	15408.00
	Cost of material				374585.00

1	Erection cost on material	15.00%	56188
2	Contractor supervision charges on material	5.00%	18729
	Sub-Total		449502
3	Contractor's Profit	5.00%	22475
	Sub-Total		471977
4	Transportation on material	4.00%	14983
5	T&P on material cost	1.00%	3746
6	Contingencies on material	2.00%	7492
	Service Cost		1045092
	Sub-Total		498198
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	996
	Sub-Total		499194
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1248
9	Insurance	1.00%	4992
10	Turnkey Charges	0.00%	0
	Total		505434

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	711487	505428
Total Cost of the Estimate	711487	505428

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item code No. 5203

Upgradation of 22 KV Line from 0.03 to 55 sqmm AAAC conductor.

Sr.No.	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
1	AAAC 55 mm2	Rmt	3150	36.00	113400.00
2	RSJ 152x152, 10 m long	no	4	22391.00	89564.00
3	MS Channel 100x50x6 mm	Kg.	108	70.00	7560.00
4	MS angle 50x50x6 mm	Kg.	71	70.00	4970.00
5	M.S. Flats(50 X 10mm)	Kg.	45	65.00	2925.00
6	Disc Insulator 11 KV 70 KN	No.	12	326.00	3912.00
7	Tension Hardware for 100 sq.mm Conductor.	No.	6	392.00	2352.00
8	22 kV Pin Insulators with G.I. Pins	No.	12	406.00	4872.00
9	G.I.Wire 8 SWG/ 6 SWG	Kg.	16	72.00	1152.00
10	Sleve Joints	No.	3	145.00	435.00
11	Danger Board in yard.	No.	4	87.00	348.00
12	Earthing Sets H.T	No.	4	462.00	1848.00
13	Concreting ration 1:3:6	cmt.	2	4328.00	8656.00
14	G.I.Barbed Wire 'A' type.	Kg.	15	80.00	1200.00
15	Black Bituminus Paint	Ltr.	6	150.00	900.00
16	Red Oxide Paint for 2 coats	Ltr.	20	124.00	2480.00
17	Aluminium Paint for 1 coat	Ltr.	9	260.00	2340.00
18	Sundries such as N/B, Washers, Welding etc.	LS	1	3163.00	3163.00
19	Wedge connectors				
a)	RABIT To RABIT or equivalent AAAC	No	24	131.00	3144.00
	Cost of material				255221.00

1	Erection cost on material	15.00%	38283
2	Contractor supervision charges on material	5.00%	12761
	Sub-Total		306265
3	Contractor's Profit	5.00%	15313
	Sub-Total		321578
4	Transportation on material	4.00%	10209
5	T&P on material cost	1.00%	2552
6	Contingencies on material	2.00%	5104
	Service Cost		712067
	Sub-Total		339444
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	679
	Sub-Total		340123
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	850
9	Insurance	1.00%	3401
10	Turnkey Charges	0.00%	0

Total

344374

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	484767	344370
Total Cost of the Estimate	484767	344370

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item code No. 5204

Upgradation of 22 KV Line from 0.1 to 0.2

Sr.No.	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
1	AAAC 232 mm2	Rmt	3150	162.00	510300.00
2	RSJ 152x152, 13 m long	no	4	29109.00	116436.00
3	MS Channel 100x50x6 mm	Kg.	108	70.00	7560.00
4	MS angle 50x50x6 mm	Kg.	71	70.00	4970.00
5	M.S. Flats(50 X 10mm)	Kg.	45	65.00	2925.00
6	Disc Insulator 11 KV 70 KN	No.	12	326.00	3912.00
7	Tension Hardware for 200 sq.mm Conductor.	No.	6	679.00	4074.00
8	22 kV Pin Insulators with G.I. Pins	No.	12	406.00	4872.00
9	G.I.Wire 8 SWG/ 6 SWG	Kg.	16	72.00	1152.00
10	Sleve Joints	No.	3	145.00	435.00
11	Danger Board in yard.	No.	4	87.00	348.00
12	Earthing Sets H.T	No.	4	462.00	1848.00
13	Concreting ration 1:3:6	cmt.	2	4328.00	8656.00
14	G.I.Barbed Wire `A' type.	Kg.	15	80.00	1200.00
15	Black Bituminus Paint	Ltr.	6	150.00	900.00
16	Red Oxide Paint for 2 coats	Ltr.	20	124.00	2480.00
17	Aluminium Paint for 1 coat	Ltr.	9	260.00	2340.00
18	Sundries such as N/B, Washers, Welding etc.	LS	1	3163.00	3163.00
19	Wedge connectors				
a)	PANTHER TO PANTHER or equivalent AAAC	No	24	826.00	19824.00
	Cost of material				697395.00

1	Erection cost on material	15.00%	104609
2	Contractor supervision charges on material	5.00%	34870
	Sub-Total		836874
3	Contractor's Profit	5.00%	41844
	Sub-Total		878718
4	Transportation on material	4.00%	27896
5	T&P on material cost	1.00%	6974
6	Contingencies on material	2.00%	13948
	Service Cost		1945732
	Sub-Total		927535
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1855
	Sub-Total		929390
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	2323
9	Insurance	1.00%	9294
10	Turnkey Charges	0.00%	0

Total

941008

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1324632	940995
Total Cost of the Estimate	1324632	940995

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5205

Replacement of old HT cable by new XLPE cable size 22 kV, 3 C, 300 sq. mm.

Sr. No.	Particulars	Unit	Qty	Rate (Rs.)	Amount (Rs.)
1	XLPE Cable 22 KV, 3 C / 300 mm sq.	Rmt	1000.00	1971.00	1971000.00
2	R.C.C. Pipe 150 mm 2 M	No	30.00	629.00	18870.00
3	Half round cement pipe (150mm X 1mtr)	No.	940.00	157.00	147580.00
4	22 kV Heat shrik Straight through joint (Al) kit for XLPE 3 C X 300 sqmm	Kit	4.00	15584.00	62336.00
5	22 kV Heat shrik Outdoor termination joint (Al) kit for XLPE 3 C X 300 sqmm	Kit	2.00	14264.00	28528.00
6	Sand	Cmt	250.00	280.00	70000.00
7	Sundries	LS	1.00	886.00	886.00

Cost of material

2299200.00

1	Erection cost on material	15.00%	344880
2	Contractor supervision charges on material	5.00%	114960
	Sub-Total		2759040
3	Contractor's Profit	5.00%	137952
	Sub-Total		2896992
4	Transportation on material	4.00%	91968
5	T&P on material cost	1.00%	22992
6	Contingencies on material	2.00%	45984
	Service Cost		6414768
	Sub-Total		3057936
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	6116
	Sub-Total		3064052
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	7660
9	Insurance	1.00%	30641
10	Turnkey Charges	0.00%	0

Total

3102353

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	4367100	3102311
Total Cost of the Estimate	4367100	3102311

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5206

Replacement of old HT O/D jointing kit (Straight Through) for 22 kV, 3 C, 300 sq. mm.

Sr.No.	Description	Unit	Qty.	Rate	Amount
1	22 kV Heat shrik Outdoor termination joint (Al) kit for XLPE 3 C X 300 sqmm	No	1	14264.00	14264.00
2	Sundries	LS	1	886.00	886.00
	Cost of Material				15150.00

1	Erection cost on material	15.00%	2273
2	Contractor supervision charges on material	5.00%	758
	Sub-Total		18180
3	Contractor's Profit	5.00%	909
	Sub-Total		19089
4	Transportation on material	4.00%	606
5	T&P on material cost	1.00%	152
6	Contingencies on material	2.00%	303
	Service Cost		42269
	Sub-Total		20150
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	40
	Sub-Total		20190
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	50
9	Insurance	1.00%	202
10	Turnkey Charges	0.00%	0
	Total		20442

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	28776	20442
Total Cost of the Estimate	28776	20442

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5207

Replacement of old HT I/D termination joints for 22 kV, 3 C, 300 sq. mm. XLPE cable

Sr.No.	Description	Unit	Qty.	Rate	Amount
1	22 kV Heat shrik Indoor termination joint (Al) kit for XLPE 3 C X 300 sqmm	No	1	13389.00	13389.00
2	Sundries	LS	1	886.00	886.00
	Cost of Material				14275.00

1	Erection cost on material	15.00%	2141
2	Contractor supervision charges on material	5.00%	714
	Sub-Total		17130
3	Contractor's Profit	5.00%	857
	Sub-Total		17987
4	Transportation on material	4.00%	571
5	T&P on material cost	1.00%	143
6	Contingencies on material	2.00%	286
	Service Cost		39827
	Sub-Total		18986
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	38
	Sub-Total		19024
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	48
9	Insurance	1.00%	190
10	Turnkey Charges	0.00%	0
	Total		19262

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	27114	19261
Total Cost of the Estimate	27114	19261

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5208

Replacement of old HT I/D straight through joints for 22 kV, 3 C, 300 sq. mm. XLPE cable

Sr.No.	Description	Unit	Qty.	Rate	Amount
1	22 kV Heat shrik Straight through joint (AI) kit for XLPE 3 C X 300 sqmm	No	1	15584.00	15584.00
2	Sundries	LS	1	886.00	886.00
	Cost of Material				16470.00

1	Erection cost on material	15.00%	2471
2	Contractor supervision charges on material	5.00%	824
	Sub-Total		19764
3	Contractor's Profit	5.00%	988
	Sub-Total		20752
4	Transportation on material	4.00%	659
5	T&P on material cost	1.00%	165
6	Contingencies on material	2.00%	329
	Service Cost		45951
	Sub-Total		21905
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	44
	Sub-Total		21949
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	55
9	Insurance	1.00%	219
10	Turnkey Charges	0.00%	0
	Total		22223

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	31283	22223
Total Cost of the Estimate	31283	22223

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5302

Upgradation of 11 KV Line 100 Sqmm conductor

Sr.No.	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
1	RSJ 116x100, 10 m long	No.	4	13882.00	55528.00
2	MS Channel 100x50x6 mm	Kg.	13	70.00	910.00
3	M.S.Channel 75x40x6 mm	Kg.	119	70.00	8330.00
4	MS angle 50x50x6 mm	Kg.	16	70.00	1120.00
5	M.S. Flats(50 X 10mm)	Kg.	37	65.00	2405.00
6	11 kV Pin Insulators with G.I. Pins	No.	12	120.00	1440.00
7	Disc Insulator 11 KV 70 KN	No.	6	326.00	1956.00
8	Strain Hardware for Dog0.1 or Equ.AAAC.	Set	6	370.00	2220.00
9	AAAC 100 mm2	Rmt	3150.00	70.00	220500.00
10	Earthing Sets H.T	Set	4	462.00	1848.00
11	G.I.Barbed Wire 'A' type.	Kg.	16	80.00	1280.00
12	Danger Board in yard.	No.	4	87.00	348.00
13	Concreting ration 1:3:6	Cmt.	3	4328.00	12984.00
14	G.I.Wire 8 SWG/ 6 SWG	Kg.	20	72.00	1440.00
15	Black Bituminous Paint	Ltr.	6	150.00	900.00
16	Red Oxide Paint for 2 coats	Ltr.	20	124.00	2480.00
17	Aluminium Paint for 1 coat	Ltr.	9	260.00	2340.00
18	Painting/Hardware & support with numbering of pole	LS	1	259.00	259.00
19	Sundries such as N/B, Washers, Welding etc.	LS	1	3163.00	3163.00
20	Wedge connectors				
a)	DOG TO DOG or equivalent AAAC	No	24	642.00	15408.00
	Cost of material				336859.00

1	Erection cost on material	15.00%	50529
2	Contractor supervision charges on material	5.00%	16843
	Sub-Total		404231
3	Contractor's Profit	5.00%	20212
	Sub-Total		424442
4	Transportation on material	4.00%	13474
5	T&P on material cost	1.00%	3369
6	Contingencies on material	2.00%	6737
	Service Cost		939837
	Sub-Total		448022
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	896
	Sub-Total		448919
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1122
9	Insurance	1.00%	4489
10	Turnkey Charges	0.00%	0

Total

454530

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	639830	454524
Total Cost of the Estimate	639830	454524

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5303

Upgradation of 11 KV Line 55 Sqmm conductor

Sr.No.	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
1	RSJ 116x100, 10 m long	No.	4	13882.00	55528.00
2	MS Channel 100x50x6 mm	Kg.	13	70.00	910.00
3	M.S.Channel 75x40x6 mm	Kg.	119	70.00	8330.00
4	MS angle 50x50x6 mm	Kg.	16	70.00	1120.00
5	M.S. Flats(50 X 10mm)	Kg.	37	65.00	2405.00
6	11 kV Pin Insulators with G.I. Pins	No.	12	120.00	1440.00
7	Disc Insulator 11 KV 70 KN	No.	6	326.00	1956.00
8	Strain Hardware for Dog0.1 or Equ.AAAC.	Set	6	370.00	2220.00
9	AAAC 55 mm ²	Rmt	3150.00	36.00	113400.00
10	Earthing Sets H.T	Set	4	462.00	1848.00
11	G.I.Barbed Wire 'A' type.	Kg.	16	80.00	1280.00
12	Danger Board in yard.	No.	4	87.00	348.00
13	Concreting ration 1:3:6	Cmt.	3	4328.00	12984.00
14	G.I.Wire 8 SWG/ 6 SWG	Kg.	20	72.00	1440.00
15	Black Bituminus Paint	Ltr.	6	150.00	900.00
16	Red Oxide Paint for 2 coats	Ltr.	20	124.00	2480.00
17	Aluminium Paint for 1 coat	Ltr.	9	260.00	2340.00
18	Painting/Hardware & support with numbering of pole	LS	1	259.00	259.00
19	Sundries such as N/B, Washers, Welding etc.	LS	1	3163.00	3163.00
20	Wedge connectors				
a)	RABIT To RABIT or equivalent AAAC	No	24	131.00	3144.00
	Cost of material				217495.00

1	Erection cost on material	15.00%	32624
2	Contractor supervision charges on material	5.00%	10875
	Sub-Total		260994
3	Contractor's Profit	5.00%	13050
	Sub-Total		274044
4	Transportation on material	4.00%	8700
5	T&P on material cost	1.00%	2175
6	Contingencies on material	2.00%	4350
	Service Cost		606811
	Sub-Total		289268
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	579
	Sub-Total		289847
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	725
9	Insurance	1.00%	2898
10	Turnkey Charges	0.00%	0
	Total		293470

Particulars	DPR Amount	Tender/ Estimate Amount
		89.94%
Cost with overheads on Material	413110	293466
Total Cost of the Estimate	413110	293466

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5316

Replacement of old HT cable by new XLPE cable size 11 kV, 3 C, 95 sq. mm.

Sr.No.	Description	Unit	Qty.	Rate	Amount
1	XLPE Cable 11 KV, 3 C / 95 mm sq.	mtr	1000	815.00	815000.00
2	R.C.C. Pipe 150 mm 2 M	No	30.00	629.00	18870.00
3	Half round cement pipe (150mm X 1mtr)	No.	940.00	157.00	147580.00
4	11 kV heat shrinkable Straight through joint kit for 3 C X 95 sqmm	Kit	4.00	4349.00	17396.00
5	11 kV heat shrinkable Outdoor termination joint kit for 3 C X 95 sqmm	Kit	2.00	1517.00	3034.00
6	Sand	Cmt	250.00	280.00	70000.00
7	Sundries	LS	1	886.00	886.00
	Cost of Material				1072766.00

1	Erection cost on material	15.00%	160915
2	Contractor supervision charges on material	5.00%	53638
	Sub-Total		1287319
3	Contractor's Profit	5.00%	64366
	Sub-Total		1351685
4	Transportation on material	4.00%	42911
5	T&P on material cost	1.00%	10728
6	Contingencies on material	2.00%	21455
	Service Cost		2993017
	Sub-Total		1426779
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2854
	Sub-Total		1429632
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	3574
9	Insurance	1.00%	14296
10	Turnkey Charges	0.00%	0

Total

1447503

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	2037612	1447483
Total Cost of the Estimate	2037612	1447483

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5317

Replacement of old HT cable by new XLPE cable size 11 kV, 3 C, 120 sq. mm.

Cost of Material					
Sr.No.	Description	Unit	Qty.	Rate	Amount
1	XLPE Cable 11 KV, 3 C / 185 mm sq.	mtr	1000	1181.00	1181000.00
2	R.C.C. Pipe 150 mm 2 M	No	30.00	629.00	18870.00
3	Half round cement pipe (150mm X 1mtr)	No.	940.00	157.00	147580.00
4	11 kV heat shrinkable Outdoor termination joint kit for 3 C X 95 sqmm	Kit	4.00	1517.00	6068.00
5	11 kV heat shrinkable Outdoor termination joint kit for 3 C X 120 sqmm	Kit	2.00	1983.00	3966.00
6	Sand	Cmt	250.00	280.00	70000.00
7	Sundries	LS	1	886.00	886.00
Cost of Material					1428370.00

1	Transportation on material	4.00%	57135
2	T&P on material cost	1.00%	14284
3	Contingencies on material	2.00%	28567
5	Erection cost on material	15.00%	214256
6	Contractor supervision charges on material	5.00%	71419
7	Insurance , Labour & Finance Cost	1.51%	21497
Service Cost			407157
Sub-Total			1835527
8	Turnkey Charges	5.00%	91776

Total

1927303

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	2713046	1927300
Total Cost of the Estimate	2713046	1927300

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5319

Replacement of old HT cable by new XLPE cable size 11 kV, 3 C, 300 sq. mm.

Sr. No.	Particulars	Unit	Qty	Rate (Rs.)	Amount (Rs.)
1	XLPE Cable 11 KV, 3 C / 300 mm sq.	Rmt	1000.00	1498.00	1498000.00
2	R.C.C. Pipe 150 mm 2 M	No	30.00	629.00	18870.00
3	Half round cement pipe (150mm X 1mtr)	No.	940.00	157.00	147580.00
4	11 kV heat shrinkable Straight through joint kit for 3 C X 300 sqmm	Kit	4.00	5501.00	22004.00
5	11 kV heat shrinkable Outdoor termination joint kit for 3 C X 300 sqmm	Kit	2.00	2111.00	4222.00
6	Sand	Cmt	250.00	280.00	70000.00
7	Sundries	LS	1.00	886.00	886.00

Cost of material

1761562.00

1	Erection cost on material	15.00%	264234
2	Contractor supervision charges on material	5.00%	88078
	Sub-Total		2113874
3	Contractor's Profit	5.00%	105694
	Sub-Total		2219568
4	Transportation on material	4.00%	70462
5	T&P on material cost	1.00%	17616
6	Contingencies on material	2.00%	35231
	Service Cost		4914758
	Sub-Total		2342877
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	4686
	Sub-Total		2347563
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour ccess)	0.25%	5869
9	Insurance	1.00%	23476
10	Turnkey Charges	0.00%	0

Total

2376908

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	3345911	2376876
Total Cost of the Estimate	3345911	2376876

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5320

Replacement of old HT O/D jointing kit (Straight Through) for 11 kV, 3 C, 95 sq. mm.

Sr.No.	Description	Unit	Qty.	Rate	Amount
1	11 kV heat shrinkable Outdoor termination joint kit for 3 C X 95 sqmm	No	1	1517.00	1517.00
2	Sundries	LS	1	886.00	886.00
	Cost of Material				2403.00

1	Erection cost on material	15.00%	360
2	Contractor supervision charges on material	5.00%	120
	Sub-Total		2884
3	Contractor's Profit	5.00%	144
	Sub-Total		3028
4	Transportation on material	4.00%	96
5	T&P on material cost	1.00%	24
6	Contingencies on material	2.00%	48
	Service Cost		6704
	Sub-Total		3196
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	6
	Sub-Total		3202
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	8
9	Insurance	1.00%	32
10	Turnkey Charges	0.00%	0
	Total		3242

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	4564	3242
Total Cost of the Estimate	4564	3242

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5321

Replacement of old HT O/D jointing kit (Straight Through) for 11 kV, 3 C, 120 sq. mm.

Sr.No.	Description	Unit	Qty.	Rate	Amount
1	11 kV heat shrinkable Outdoor termination joint kit for 3 C X 120 sqmm	No	1	1983.00	1983.00
2	Sundries	LS	1	886.00	886.00
	Cost of Material				2869.00

1	Erection cost on material	15.00%	430
2	Contractor supervision charges on material	5.00%	143
	Sub-Total		3443
3	Contractor's Profit	5.00%	172
	Sub-Total		3615
4	Transportation on material	4.00%	115
5	T&P on material cost	1.00%	29
6	Contingencies on material	2.00%	57
	Service Cost		8005
	Sub-Total		3816
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	8
	Sub-Total		3823
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	10
9	Insurance	1.00%	38
10	Turnkey Charges	0.00%	0
	Total		3871

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	5449	3871
Total Cost of the Estimate	5449	3871

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5322

Replacement of old HT O/D jointing kit (Straight Through) for 11 kV, 3 C, 240 sq. mm.

Sr.No.	Description	Unit	Qty.	Rate	Amount
1	11 kV heat shrinkable Outdoor termination joint kit for 3 C X 240 sqmm	No	1	2111.00	2111.00
2	Sundries	LS	1	886.00	886.00
	Cost of Material				2997.00

1	Erection cost on material	15.00%	450
2	Contractor supervision charges on material	5.00%	150
	Sub-Total		3596
3	Contractor's Profit	5.00%	180
	Sub-Total		3776
4	Transportation on material	4.00%	120
5	T&P on material cost	1.00%	30
6	Contingencies on material	2.00%	60
	Service Cost		8362
	Sub-Total		3986
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	8
	Sub-Total		3994
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	10
9	Insurance	1.00%	40
10	Turnkey Charges	0.00%	0

Total

4044

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	5693	4044
Total Cost of the Estimate	5693	4044

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5323

Replacement of old HT O/D jointing kit (Straight Through) for 11 kV, 3 C, 300 sq. mm.

Sr.No.	Description	Unit	Qty.	Rate	Amount
1	11 kV heat shrinkable Outdoor termination joint kit for 3 C X 300 sqmm	No	1	2111.00	2111.00
2	Sundries	LS	1	886.00	886.00
	Cost of Material				2997.00

1	Erection cost on material	15.00%	450
2	Contractor supervision charges on material	5.00%	150
	Sub-Total		3596
3	Contractor's Profit	5.00%	180
	Sub-Total		3776
4	Transportation on material	4.00%	120
5	T&P on material cost	1.00%	30
6	Contingencies on material	2.00%	60
	Service Cost		8362
	Sub-Total		3986
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	8
	Sub-Total		3994
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	10
9	Insurance	1.00%	40
10	Turnkey Charges	0.00%	0

Total 4044

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	5693	4044
Total Cost of the Estimate	5693	4044

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5324

Replacement of old HT I/D termination joints for 11 kV, 3 C, 95 sq. mm. XLPE cable

Sr.No.	Description	Unit	Qty.	Rate	Amount
1	11 kV heat shrinkable Indoor termination joint kit for 3 C X 95 sqmm	No	1	1216.00	1216.00
2	Sundries	LS	1	886.00	886.00
	Cost of Material				2102.00

1	Erection cost on material	15.00%	315
2	Contractor supervision charges on material	5.00%	105
	Sub-Total		2522
3	Contractor's Profit	5.00%	126
	Sub-Total		2649
4	Transportation on material	4.00%	84
5	T&P on material cost	1.00%	21
6	Contingencies on material	2.00%	42
	Service Cost		5865
	Sub-Total		2796
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	6
	Sub-Total		2801
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	7
9	Insurance	1.00%	28
10	Turnkey Charges	0.00%	0

Total

2836

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	3993	2836
Total Cost of the Estimate	3993	2836

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5325

Replacement of old HT I/D termination joints for 11 kV, 3 C, 120 sq. mm. XLPE cable

Sr.No.	Description	Unit	Qty.	Rate	Amount
1	11 kV heat shrinkable Indoor termination joint kit for 3 C X 120 sqmm	No	1	1600.00	1600.00
2	Sundries	LS	1	886.00	886.00
	Cost of Material				2486.00

1	Erection cost on material	15.00%	373
2	Contractor supervision charges on material	5.00%	124
	Sub-Total		2983
3	Contractor's Profit	5.00%	149
	Sub-Total		3132
4	Transportation on material	4.00%	99
5	T&P on material cost	1.00%	25
6	Contingencies on material	2.00%	50
	Service Cost		6936
	Sub-Total		3306
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	7
	Sub-Total		3313
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	8
9	Insurance	1.00%	33
10	Turnkey Charges	0.00%	0

Total 3354

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	4722	3354
Total Cost of the Estimate	4722	3354

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5326

Replacement of old HT I/D termination joints for 11 kV, 3 C, 240 sq. mm. XLPE cable

Sr.No.	Description	Unit	Qty.	Rate	Amount
1	11 kV heat shrinkable Indoor termination joint kit for 3 C X 240 sqmm	No	1	1645.00	1645.00
2	Sundries	LS	1	886.00	886.00
	Cost of Material				2531.00

1	Erection cost on material	15.00%	380
2	Contractor supervision charges on material	5.00%	127
	Sub-Total		3037
3	Contractor's Profit	5.00%	152
	Sub-Total		3189
4	Transportation on material	4.00%	101
5	T&P on material cost	1.00%	25
6	Contingencies on material	2.00%	51
	Service Cost		7061
	Sub-Total		3366
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	7
	Sub-Total		3373
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	8
9	Insurance	1.00%	34
10	Turnkey Charges	0.00%	0
	Total		3415

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	4807	3415
Total Cost of the Estimate	4807	3415

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5327

Replacement of old HT I/D termination joints for 11 kV, 3 C, 300 sq. mm. XLPE cable

Sr.No.	Description	Unit	Qty.	Rate	Amount
1	11 kV heat shrinkable Indoor termination joint kit for 3 C X 300 sqmm	No	1	1728.00	1728.00
2	Sundries	LS	1	886.00	886.00
	Cost of Material				2614.00

1	Erection cost on material	15.00%	392
2	Contractor supervision charges on material	5.00%	131
	Sub-Total		3137
3	Contractor's Profit	5.00%	157
	Sub-Total		3294
4	Transportation on material	4.00%	105
5	T&P on material cost	1.00%	26
6	Contingencies on material	2.00%	52
	Service Cost		7293
	Sub-Total		3477
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	7
	Sub-Total		3484
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	9
9	Insurance	1.00%	35
10	Turnkey Charges	0.00%	0
	Total		3527

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	4965	3527
Total Cost of the Estimate	4965	3527

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5405

Estimate for LT to underground 2C x 16 sqmm cable for 1 Km

Sr.No.	Particulars	Unit	Qty	Rate (Rs.)	Amount
1	L.T. XLPE Amourred 2C 16 Sqmm cable	Rmt	1000	72.00	72000.00
2	R.C.C. Pipe 150 mm 2 M	No	30	629.00	18870.00
3	Misc. (Bricks,sand,tremination kit and etc.)	LS	1	27776.00	27776.00

Cost of material

118646.00

1	Erection cost on material	15.00%	17797
2	Contractor supervision charges on material	5.00%	5932
	Sub-Total		142375
3	Contractor's Profit	5.00%	7119
	Sub-Total		149494
4	Transportation on material	4.00%	4746
5	T&P on material cost	1.00%	1186
6	Contingencies on material	2.00%	2373
	Service Cost		331022
	Sub-Total		157799
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	316
	Sub-Total		158115
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	395
9	Insurance	1.00%	1581
10	Turnkey Charges	0.00%	0

Total

160091

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	225356	160089
Total Cost of the Estimate	225356	160089

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5406

Estimate for LT to underground 3.5 x 120 sqmm cable for 1 Km

Sr.No.	Particulars	Unit	Qty	Rate (Rs.)	Amount
1	L.T.XLPE Armoured 3.5 Core cable 120 sq.mm.	Rmt	1000	453.00	453000.00
2	R.C.C. Pipe 150 mm 2 M	No	30	629.00	18870.00
3	Misc. (Bricks,sand,tremination kit and etc.)	LS	1	27776.00	27776.00

Cost of material

499646.00

1	Erection cost on material	15.00%	74947
2	Contractor supervision charges on material	5.00%	24982
	Sub-Total		599575
3	Contractor's Profit	5.00%	29979
	Sub-Total		629554
4	Transportation on material	4.00%	19986
5	T&P on material cost	1.00%	4996
6	Contingencies on material	2.00%	9993
	Service Cost		1394012
	Sub-Total		664529
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1329
	Sub-Total		665858
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1665
9	Insurance	1.00%	6659
10	Turnkey Charges	0.00%	0

Total

674181

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	949028	674172
Total Cost of the Estimate	949028	674172

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5407

Estimate for LT to underground 3.5 x 240 sqmm cable for 1 Km

Sr.No.	Particulars	Unit	Qty	Rate (Rs.)	Amount
1	L.T. XLPE cable 3.5 Core 240 mm2	Rmt	1000	865.00	865000.00
2	R.C.C. Pipe 150 mm 2 M	No	30	629.00	18870.00
3	Misc. (Bricks,sand,tremination kit and etc.)	LS	1	27776.00	27776.00

Cost of material

911646.00

1	Erection cost on material	15.00%	136747
2	Contractor supervision charges on material	5.00%	45582
	Sub-Total		1093975
3	Contractor's Profit	5.00%	54699
	Sub-Total		1148674
4	Transportation on material	4.00%	36466
5	T&P on material cost	1.00%	9116
6	Contingencies on material	2.00%	18233
	Service Cost		2543492
	Sub-Total		1212489
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2425
	Sub-Total		1214914
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	3037
9	Insurance	1.00%	12149
10	Turnkey Charges	0.00%	0

Total

1230101

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1731580	1230084
Total Cost of the Estimate	1731580	1230084

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5408

Estimate for LT to underground 3.5 x 300 sqmm cable for 1 Km

Sr.No.	Particulars	Unit	Qty	Rate (Rs.)	Amount
1	L.T. XLPE cable 3.5 Core 300 mm2	Rmt	1000	998.00	998000.00
2	R.C.C. Pipe 150 mm 2 M	No	30	629.00	18870.00
3	Misc. (Bricks,sand,tremination kit and etc.)	LS	1	27776.00	27776.00

Cost of material

1044646.00

1	Erection cost on material	15.00%	156697
2	Contractor supervision charges on material	5.00%	52232
	Sub-Total		1253575
3	Contractor's Profit	5.00%	62679
	Sub-Total		1316254
4	Transportation on material	4.00%	41786
5	T&P on material cost	1.00%	10446
6	Contingencies on material	2.00%	20893
	Service Cost		2914562
	Sub-Total		1389379
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2779
	Sub-Total		1392158
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour ccess)	0.25%	3480
9	Insurance	1.00%	13922
10	Turnkey Charges	0.00%	0

Total

1409560

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1984201	1409541
Total Cost of the Estimate	1984201	1409541

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5409

Estimate for LT to underground 3.5 x 185 sqmm cable for 1 Km

Sr.No.	Particulars	Unit	Qty	Rate (Rs.)	Amount
1	L.T. XLPE Armoured 3.5 Core cable 185 sq.mm.	Rmt	1000	675.00	675000.00
2	R.C.C. Pipe 150 mm 2 M	No	30	629.00	18870.00
3	Misc. (Bricks,sand,tremination kit and etc.)	LS	1	27776.00	27776.00

Cost of material

721646.00

1	Erection cost on material	15.00%	108247
2	Contractor supervision charges on material	5.00%	36082
	Sub-Total		865975
3	Contractor's Profit	5.00%	43299
	Sub-Total		909274
4	Transportation on material	4.00%	28866
5	T&P on material cost	1.00%	7216
6	Contingencies on material	2.00%	14433
	Service Cost		2013392
	Sub-Total		959789
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1920
	Sub-Total		961709
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	2404
9	Insurance	1.00%	9617
10	Turnkey Charges	0.00%	0

Total

973730

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1370694	973717
Total Cost of the Estimate	1370694	973717

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5410

Estimate for LT to underground 3.5 x 70 sqmm cable for 1 Km

Sr.No.	Particulars	Unit	Qty	Rate (Rs.)	Amount
1	L.T.XLPE Armoured 3.5 Core cable 70 sq.mm.	Rmt	1000	275.00	275000.00
2	R.C.C. Pipe 150 mm 2 M	No	30	629.00	18870.00
3	Misc. (Bricks,sand,tremination kit and etc.)	LS	1	27776.00	27776.00

Cost of material

321646.00

1	Erection cost on material	15.00%	48247
2	Contractor supervision charges on material	5.00%	16082
	Sub-Total		385975
3	Contractor's Profit	5.00%	19299
	Sub-Total		405274
4	Transportation on material	4.00%	12866
5	T&P on material cost	1.00%	3216
6	Contingencies on material	2.00%	6433
	Service Cost		897392
	Sub-Total		427789
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	856
	Sub-Total		428645
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1072
9	Insurance	1.00%	4286
10	Turnkey Charges	0.00%	0

Total

434003

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	610934	433997
Total Cost of the Estimate	610934	433997

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5501

Cost Data for conversion of 1 Km 33 KV Overhead line by 3 C, 300 Sqmm XLPE under ground Cable

Sr.No.	Particulars	Unit	Qty.	RT/U Rs.	Amount
1	XLPE Cable 33 KV, 3 C / 300 mm sq.	Rmt	1000.00	2179.00	2179000.00
2	R.C.C. Pipe 150 mm 2 M	No	30.00	629.00	18870.00
3	Half round cement pipe (150mm X 1mtr)	No.	940.00	157.00	147580.00
4	33 kV Heat shrik Straight through joint (Al) kit for XLPE 3 C X 300 sqmm	No.	4.00	38376.00	153504.00
5	33 kV Heat shrik Outdoor termination joint (Al) kit for XLPE 3 C X 300 sqmm	No.	2.00	19789.00	39578.00
6	Sand	Cmt.	250.00	280.00	70000.00

Cost of material

2608532.00

1	Erection cost on material	15.00%	391280
2	Contractor supervision charges on material	5.00%	130427
	Sub-Total		3130238
3	Contractor's Profit	5.00%	156512
	Sub-Total		3286750
4	Transportation on material	4.00%	104341
5	T&P on material cost	1.00%	26085
6	Contingencies on material	2.00%	52171
	Service Cost		7277804
	Sub-Total		3469348
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	6939
	Sub-Total		3476286
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	8691
9	Insurance	1.00%	34763
10	Turnkey Charges	0.00%	0

Total

3519740

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	4954646	3519692
Total Cost of the Estimate	4954646	3519692

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5502

Cost Data for conversion of 1 Km 22 KV Overhead line by 3 C, 300 Sqmm XLPE under ground Cable

Sr.No.	Particulars	Unit	Qty.	RT/U Rs.	Amount
1	XLPE Cable 22 KV, 3 C / 300 mm sq.	Rmt	1000.00	1971.00	1971000.00
2	R.C.C. Pipe 150 mm 2 M	No	30.00	629.00	18870.00
3	Half round cement pipe (150mm X 1mtr)	No.	940.00	157.00	147580.00
4	22 kV Heat shrik Outdoor termination joint (Al) kit for XLPE 3 C X 300 sqmm	No.	4.00	14264.00	57056.00
5	22 kV Heat shrik Outdoor termination joint (Al) kit for XLPE 3 C X 300 sqmm	No.	2.00	14264.00	28528.00
6	Sand	Cmt	250.00	280.00	70000.00

Cost of material

2293034.00

1	Erection cost on material	15.00%	343955
2	Contractor supervision charges on material	5.00%	114652
	Sub-Total		2751641
3	Contractor's Profit	5.00%	137582
	Sub-Total		2889223
4	Transportation on material	4.00%	91721
5	T&P on material cost	1.00%	22930
6	Contingencies on material	2.00%	45861
	Service Cost		6397565
	Sub-Total		3049735
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	6099
	Sub-Total		3055835
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	7640
9	Insurance	1.00%	30558
10	Turnkey Charges	0.00%	0

Total

3094033

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	4355389	3093991
Total Cost of the Estimate	4355389	3093991

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5504

Cost Data for conversion of 1 Km 22 KV Overhead line by 3 C, 95 Sqmm XLPE under ground Cable

Sr.No.	Particulars	Unit	Qty.	RT/U Rs.	Amount
1	XLPE Cable 22 KV, 3 C / 95 mm sq.	Rmt	1000.00	1165.00	1165000.00
2	R.C.C. Pipe 150 mm 2 M	No	30.00	629.00	18870.00
3	Half round cement pipe (150mm X 1mtr)	No.	940.00	157.00	147580.00
4	22 KV st. through joints for 3 C / 95 mm sq.	No.	4.00	12560.00	50240.00
5	22 kV Heat shrik Indoor termination joint (Al) kit for XLPE 3 C X 95 sqmm	No.	2.00	9384.00	18768.00
6	Sand	Cmt	250.00	280.00	70000.00

Cost of material

1470458.00

1	Erection cost on material	15.00%	220569
2	Contractor supervision charges on material	5.00%	73523
	Sub-Total		1764550
3	Contractor's Profit	5.00%	88227
	Sub-Total		1852777
4	Transportation on material	4.00%	58818
5	T&P on material cost	1.00%	14705
6	Contingencies on material	2.00%	29409
	Service Cost		4102578
	Sub-Total		1955709
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	3911
	Sub-Total		1959621
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	4899
9	Insurance	1.00%	19596
10	Turnkey Charges	0.00%	0

Total

1984116

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	2792988	1984089
Total Cost of the Estimate	2792988	1984089

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.5505

Cost Data for conversion of 1 Km 11 KV Overhead line by 3 C, 300 Sqmm XLPE under ground Cable

Sr.No.	Particulars	Unit	Qty.	RT/U Rs.	Amount
1	XLPE Cable 11 KV, 3 C / 300 mm sq.	Rmt	1000.00	1498.00	1498000.00
2	R.C.C. Pipe 150 mm 2 M	No	30.00	629.00	18870.00
3	Half round cement pipe (150mm X 1mtr)	No.	940.00	157.00	147580.00
4	11 kV heat shrinkable Straight through joint kit for 3 C X 300 sqmm	No.	4.00	5501.00	22004.00
5	11 kV heat shrinkable Outdoor termination joint kit for 3 C X 300 sqmm	No.	2.00	2111.00	4222.00
6	Sand	Cmt	250.00	280.00	70000.00

Cost of material

1760676.00

1	Erection cost on material	15.00%	264101
2	Contractor supervision charges on material	5.00%	88034
	Sub-Total		2112811
3	Contractor's Profit	5.00%	105641
	Sub-Total		2218452
4	Transportation on material	4.00%	70427
5	T&P on material cost	1.00%	17607
6	Contingencies on material	2.00%	35214
	Service Cost		4912286
	Sub-Total		2341699
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	4683
	Sub-Total		2346382
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	5866
9	Insurance	1.00%	23464
10	Turnkey Charges	0.00%	0

Total

2375712

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	3344228	2375680
Total Cost of the Estimate	3344228	2375680

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.5507

Cost Data for conversion of 1 Km 11 KV Overhead line by 3 C, 185 Sqmm XLPE under ground Cable

Sr.No.	Particulars	Unit	Qty.	RT/U Rs.	Amount
1	XLPE Cable 11 KV, 3 C / 185 mm sq.	Rmt	1000.00	1181.00	1181000.00
2	R.C.C. Pipe 150 mm 2 M	No	30.00	629.00	18870.00
3	Half round cement pipe (150mm X 1mtr)	No.	940.00	157.00	147580.00
4	11 kV heat shrinkable Straight through joint kit for 3 C X 185 sqmm	No.	4.00	5245.00	20980.00
5	11 kV heat shrinkable Outdoor termination joint kit for 3 C X 185 sqmm	No.	2.00	1983.00	3966.00
6	Sand	Cmt	250.00	280.00	70000.00

Cost of material

1442396.00

1	Erection cost on material	15.00%	216359
2	Contractor supervision charges on material	5.00%	72120
	Sub-Total		1730875
3	Contractor's Profit	5.00%	86544
	Sub-Total		1817419
4	Transportation on material	4.00%	57696
5	T&P on material cost	1.00%	14424
6	Contingencies on material	2.00%	28848
	Service Cost		4024285
	Sub-Total		1918387
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	3837
	Sub-Total		1922223
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	4806
9	Insurance	1.00%	19222
10	Turnkey Charges	0.00%	0

Total

1946251

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	2739687	1946225
Total Cost of the Estimate	2739687	1946225

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No.5508

Cost Data for conversion of 1 Km 11 KV Overhead line by 3 C, 95 Sqmm XLPE under ground Cable

Sr.No.	Particulars	Unit	Qty.	RT/U Rs.	Amount
1	XLPE Cable 11 KV, 3 C / 95 mm sq.	Rmt	1000.00	815.00	815000.00
2	R.C.C. Pipe 150 mm 2 M	No	30.00	629.00	18870.00
3	Half round cement pipe (150mm X 1mtr)	No.	940.00	157.00	147580.00
4	11 kV heat shrinkable Straight through joint kit for 3 C X 95 sqmm	No.	4.00	4349.00	17396.00
5	11 kV heat shrinkable Outdoor termination joint kit for 3 C X 95 sqmm	No.	2.00	1517.00	3034.00
6	Sand	Cmt	250.00	280.00	70000.00

Cost of material

1071880.00

1	Erection cost on material	15.00%	160782
2	Contractor supervision charges on material	5.00%	53594
	Sub-Total		1286256
3	Contractor's Profit	5.00%	64313
	Sub-Total		1350569
4	Transportation on material	4.00%	42875
5	T&P on material cost	1.00%	10719
6	Contingencies on material	2.00%	21438
	Service Cost		2990545
	Sub-Total		1425600
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2851
	Sub-Total		1428452
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	3571
9	Insurance	1.00%	14285
10	Turnkey Charges	0.00%	0

Total

1446307

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	2035929	1446288
Total Cost of the Estimate	2035929	1446288

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5510

Conversion of Overhead LT Line to underground by 3.5 C, 300 sqmm XLPE cable

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	L.T. XLPE cable 3.5 Core 300 mm2	RMT	1000	998.00	998000.00
2	R.C.C. Pipe 150 mm 2 M	No	30.00	629.00	18870.00
3	Misc. (Bricks,sand,tremination kit and etc.)	LS	1	27776.00	27776.00

Cost of material

1044646.00

1	Erection cost on material	15.00%	156697
2	Contractor supervision charges on material	5.00%	52232
	Sub-Total		1253575
3	Contractor's Profit	5.00%	62679
	Sub-Total		1316254
4	Transportation on material	4.00%	41786
5	T&P on material cost	1.00%	10446
6	Contingencies on material	2.00%	20893
	Service Cost		2914562
	Sub-Total		1389379
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2779
	Sub-Total		1392158
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	3480
9	Insurance	1.00%	13922
10	Turnkey Charges	0.00%	0

Total

1409560

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1984201	1409541
Total Cost of the Estimate	1984201	1409541

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5511

Conversion of Overhead LT Line to underground by 3.5 C, 240 sqmm XLPE cable

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	L.T. XLPE cable 3.5 Core 240 mm2	RMT	1000	865.00	865000.00
2	R.C.C. Pipe 150 mm 2 M	No	30.00	629.00	18870.00
3	Misc. (Bricks,sand,tremination kit and etc.)	LS	1	27776.00	27776.00

Cost of material

911646.00

1	Erection cost on material	15.00%	136747
2	Contractor supervision charges on material	5.00%	45582
	Sub-Total		1093975
3	Contractor's Profit	5.00%	54699
	Sub-Total		1148674
4	Transportation on material	4.00%	36466
5	T&P on material cost	1.00%	9116
6	Contingencies on material	2.00%	18233
	Service Cost		2543492
	Sub-Total		1212489
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2425
	Sub-Total		1214914
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	3037
9	Insurance	1.00%	12149
10	Turnkey Charges	0.00%	0

Total

1230101

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1731580	1230084
Total Cost of the Estimate	1731580	1230084

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5512

Conversion of Overhead LT Line to underground by 3.5 C, 185 sqmm XLPE cable

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	L.T. XLPE Armoured 3.5 Core cable 185 sq.mm.	RMT	1000	675.00	675000.00
2	R.C.C. Pipe 150 mm 2 M	No	30.00	629.00	18870.00
3	Misc. (Bricks,sand,tremination kit and etc.)	LS	1	27776.00	27776.00

Cost of material

721646.00

1	Erection cost on material	15.00%	108247
2	Contractor supervision charges on material	5.00%	36082
	Sub-Total		865975
3	Contractor's Profit	5.00%	43299
	Sub-Total		909274
4	Transportation on material	4.00%	28866
5	T&P on material cost	1.00%	7216
6	Contingencies on material	2.00%	14433
	Service Cost		2013392
	Sub-Total		959789
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1920
	Sub-Total		961709
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	2404
9	Insurance	1.00%	9617
10	Turnkey Charges	0.00%	0

Total

973730

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1370694	973717
Total Cost of the Estimate	1370694	973717

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5513

Cost Dat Conversion of overhead LT Line to underground 3.5 x 120 sqmm cable for 1 Km

Sr.No.	Particulars	Unit	Qty	Rate (Rs.)	Amount
1	L.T.XLPE Armoured 3.5 Core cable 120 sq.mm.	Rmt	1000	453.00	453000.00
2	R.C.C. Pipe 150 mm 2 M	No	30.00	629.00	18870.00
3	Misc. (Bricks,sand,tremination kit and etc.)	LS	1	27776.00	27776.00

Cost of material

499646.00

1	Erection cost on material	15.00%	74947
2	Contractor supervision charges on material	5.00%	24982
	Sub-Total		599575
3	Contractor's Profit	5.00%	29979
	Sub-Total		629554
4	Transportation on material	4.00%	19986
5	T&P on material cost	1.00%	4996
6	Contingencies on material	2.00%	9993
	Service Cost		1394012
	Sub-Total		664529
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1329
	Sub-Total		665858
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1665
9	Insurance	1.00%	6659
10	Turnkey Charges	0.00%	0
	Total		674181

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	949028	674172
Total Cost of the Estimate	949028	674172

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5515

Coverion of Overhead LT Line to underground by 3.5 C, 70 sqmm XLPE cable

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	RMT	1000	275.00	275000.00
2	R.C.C. Pipe 150 mm 2 M	No	30.00	629.00	18870.00
2	Misc. (Bricks,sand,tremination kit and etc.)	LS	1	27776.00	27776.00

Cost of material

321646.00

1	Erection cost on material	15.00%	48247
2	Contractor supervision charges on material	5.00%	16082
	Sub-Total		385975
3	Contractor's Profit	5.00%	19299
	Sub-Total		405274
4	Transportation on material	4.00%	12866
5	T&P on material cost	1.00%	3216
6	Contigencies on material	2.00%	6433
	Service Cost		897392
	Sub-Total		427789
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	856
	Sub-Total		428645
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1072
9	Insurance	1.00%	4286
10	Turnkey Charges	0.00%	0

Total

434003

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	610934	433997
Total Cost of the Estimate	610934	433997

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5516

Cost Dat Conversion of overhead LT Line to underground 3.5 x 70 sqmm cable for 1 Km

Sr.No.	Particulars	Unit	Qty	Rate (Rs.)	Amount
1	L.T.XLPE Armoured 3.5 Core cable 70 sq.mm.	Rmt	1000	275.00	275000.00
2	R.C.C. Pipe 150 mm 2 M	No	30.00	629.00	18870.00
3	Misc. (Bricks,sand,tremination kit and etc.)	LS	1	27776.00	27776.00

Cost of material 321646.00

1	Erection cost on material	15.00%	48247
2	Contractor supervision charges on material	5.00%	16082
	Sub-Total		385975
3	Contractor's Profit	5.00%	19299
	Sub-Total		405274
4	Transportation on material	4.00%	12866
5	T&P on material cost	1.00%	3216
6	Contingencies on material	2.00%	6433
	Service Cost		897392
	Sub-Total		427789
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	856
	Sub-Total		428645
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1072
9	Insurance	1.00%	4286
10	Turnkey Charges	0.00%	0
	Total		434003

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	610934	433997
Total Cost of the Estimate	610934	433997

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5517

Coverion of Overhead LT Line to underground by 3.5 C, 50 sqmm XLPE cable

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	L.T. XLPE armoured cable 3 1/2 C 50 sq.mm.	RMT	1000	207.00	207000.00
2	R.C.C. Pipe 150 mm 2 M	No	30.00	629.00	18870.00
3	Misc. (Bricks,sand,tremination kit and etc.)	LS	1	27776.00	27776.00

Cost of material

253646.00

1	Erection cost on material	15.00%	38047
2	Contractor supervision charges on material	5.00%	12682
	Sub-Total		304375
3	Contractor's Profit	5.00%	15219
	Sub-Total		319594
4	Transportation on material	4.00%	10146
5	T&P on material cost	1.00%	2536
6	Contigencies on material	2.00%	5073
	Service Cost		707672
	Sub-Total		337349
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	675
	Sub-Total		338024
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	845
9	Insurance	1.00%	3380
10	Turnkey Charges	0.00%	0

Total

342249

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	481775	342245
Total Cost of the Estimate	481775	342245

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5518

Coverion of Overhead LT Line to underground by 3.5 C, 16 sqmm XLPE cable

Sr.No	Description of Material	Unit	Qty.	RT/U Rs.	Amount
1	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	1000	92.00	92000.00
2	R.C.C. Pipe 150 mm 2 M	No	30.00	629.00	18870.00
3	Misc. (Bricks,sand,tremination kit and etc.)	LS	1	27776.00	27776.00

Cost of material

138646.00

1	Erection cost on material	15.00%	20797
2	Contractor supervision charges on material	5.00%	6932
	Sub-Total		166375
3	Contractor's Profit	5.00%	8319
	Sub-Total		174694
4	Transportation on material	4.00%	5546
5	T&P on material cost	1.00%	1386
6	Contigencies on material	2.00%	2773
	Service Cost		386822
	Sub-Total		184399
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	369
	Sub-Total		184768
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	462
9	Insurance	1.00%	1848
10	Turnkey Charges	0.00%	0

Total

187078

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	263344	187075
Total Cost of the Estimate	263344	187075

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5519

Cost Dat Conversion of overhead LT Line to underground 2 C x 16 sqmm cable for 1 Km

Sr.No.	Particulars	Unit	Qty	Rate (Rs.)	Amount
1	L.T. XLPE Amourred 2C 16 Sqmm cable	Rmt	1000	72.00	72000.00
2	R.C.C. Pipe 150 mm 2 M	No	30.00	629.00	18870.00
3	Misc. (Bricks,sand,tremination kit and etc.)	LS	1	27776.00	27776.00

Cost of material

118646.00

1	Erection cost on material	15.00%	17797
2	Contractor supervision charges on material	5.00%	5932
	Sub-Total		142375
3	Contractor's Profit	5.00%	7119
	Sub-Total		149494
4	Transportation on material	4.00%	4746
5	T&P on material cost	1.00%	1186
6	Contingencies on material	2.00%	2373
	Service Cost		331022
	Sub-Total		157799
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	316
	Sub-Total		158115
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	395
9	Insurance	1.00%	1581
10	Turnkey Charges	0.00%	0

Total

160091

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	225356	160089
Total Cost of the Estimate	225356	160089

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5701

Estimate for R. & M work of 33/11 KV Sub-Station [Indoor to Outdoor] 2 x 5 MVA

Sr no.	Description	Unit	Qty.	Rate	Total cost
1	Renovation of existing 33/11 KV indoor S/S to out door S/S as specified in relevant sections of volume II, sheet no.28.1of volume III & drawings in volume IV	No.	1	6708524.40	6708524.40
Total					6708524.40

1	Erection cost on material	5.00%			335426
2	Contractor supervision charges on material	5.00%			335426
	Sub-Total				7379377
3	Contractor's Profit	5.00%			368969
	Sub-Total				7748346
4	Transportation on material	4.00%			268341
5	T&P on material cost	1.00%			67085
6	Contingencies on material	2.00%			134170
	Service Cost				16637141
	Sub-Total				8217942
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%			16436
	Sub-Total				8234378
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%			15234
9	Insurance	1.00%			82344
10	Turnkey Charges	0.00%			0
Total					8331956

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	11764739	8331987
Total Cost of the Estimate	11764739	8331987

Estimate For R. & M. work [Indoor to Outdoor] at 33 KV Sub-Station

Sr.No.	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
11 KV SIDE					
1	11 kv 250 MVA OD Switchgears comprising of 1 Incomer and 3 single feeder with associated OD panels, Isolators, C.T. & P.T. etc.	Set	2	1078087.00	2156174.00
2	L.As. 11 KV (Gapless type) with disconnector	Set	2	1531.00	3062.00
3	11 KV OD type VCB with directional relay with Bus coupler complete	Set	1	597762.00	597762.00
4	Take off structure for 3 outgoing feeder as per Sheet:A	No.	1	638626.00	638626.00
5	11 kv SF6, Motorized, SCADA Compatible RMU 2 Iso + 1 Br	Set	2	482656.00	965312.00
6	11 kv Pin Insulators with G.I. Pins	No.	18	120.00	2160.00
7	XLPE Cable 11 KV, 3 C / 300 mm sq.	Rmt	400	1498.00	599200.00
8	11 kv heat shrinkable Straight through joint kit for 3 C X 300 sqmm	No.	8	5501.00	44008.00
9	AAAC 232 mm2	Rmt	300	162.00	48600.00
10	Clamps and Connectors as per Sheet:B	No.	1	145312.00	145312.00
11	Structure for 11 KV Main Bus as per Sheet:C	No.	1	304125.00	304125.00
12	Station Transformer 11/0.4 KV 100 KVA as per sheet:E	No.	1	291516.40	291516.40
13	Control cables for S/S as per Sheet :D	No.	1	246733.00	246733.00
14	Earthing works as per sheet :F	No.	1	341334.00	341334.00
15	Concreting ration 1:3:6	CUM	75	4328.00	324600.00
Cost of material					6708524.40

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet: A

Estimate for Take off structure for 11 KV Feeders 3 outlets at 1x5 MVA,33/11 KV Sub Strn.

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	16	12493.00	199888.00
2	MS Channel 100x50x6 mm	Kg.	2130.00	70.00	149100.00
3	MS angle 50x50x6 mm	Kg.	100.00	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	150.00	65.00	9750.00
5	11KV A.B. Switch, 400 A	Nos.	10	11642.00	116420.00
6	Disc Insulator 11 KV 70 KN	Nos.	72	326.00	23472.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	72	370.00	26640.00
8	11 kv Pin Insulators with G.I. Pins	Nos.	18	120.00	2160.00
9	Earthing Sets H.T	Sets	6	462.00	2772.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	6	1531.00	9186.00
11	AAAC 100 mm2	Rmt.	200.00	70.00	14000.00
12	G.I.Strip (25 X 3 mm)	Kg.	80.00	90.00	7200.00
13	G.I.Nut Bolts	Kg.	50.00	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	15.00	4328.00	64920.00
15	Miscellaneous material	LS	1	518.00	518.00
				Total:	638626.00

Sheet: B

Estimate for Crimping Type Clamps & Connectors at 2 x 5 MVA, 3311 kv sub strn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	PANTHER TO PANTHER or equivalent AAAC	Nos.	20	826.00	16520.00
b)	DOG TO DOG or equivalent AAAC	Nos.	60	642.00	38520.00
2	T-Connector for 100 sq mm conductor	Nos.	47	843.00	39621.00
3	T-Connector for 200 sq mm conductor(Compression type)	Nos.	9	3855.00	34695.00
4	T Connectors suitable for 200 sqmm twin conductor	Nos.	18	995.00	17910.00
5	Connectors for T/F Bushing	Nos.	12	4350.00	52200.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	145312.00

Sheet: C

Estimate for Structure of 11 KV Main Bus at 2x5 MVA, 33/11 KV Sub-Station (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	RSJ 152x152, 8 m long	No.	8	17913.00	143304.00
2	MS Channel 100x50x6 mm	Kg.	650	70.00	45500.00
3	MS Flat 75x10 mm	Kg.	100	65.00	6500.00
4	Concreting ration 1:3:6	Cmt.	7	4328.00	30296.00
5	Disc Insulator 11 KV 70 KN	No.	12	326.00	3912.00
6	Strain Hardware for 0.2 ACSR or equivalent AAAC for twin conductor	No.	12	586.00	7032.00
7	AAAC 232 mm2	Rmt.	400	162.00	64800.00
8	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	304125.00

Sheet: D

Estimate for multistand control cable

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Amoured 2C 16 Sqmm cable	Rmt	200	72.00	14400.00
6	PVC pipe 110 mm dia 4Kg/sqcm pressure	Rmt	70	135.00	9450.00
7	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	246733.00

Sheet: E

Estimate for 100 KVA, 11/0.43 KV Station Transformer for 1x5 MVA S/S. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate in Rs.	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	130	70.00	9100.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
7	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
8	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
9	11 kV Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
10	L.T.XLPE Armoured 3.5 Core cable 70 sq.mm.	Rmt.	20	275.00	5500.00
11	L.T. XLPE armoured cable 3 1/2 C 50 sq.mm.	Rmt.	50	207.00	10350.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Bentonite clay	Kg.	225	15.00	3375.00
15	Plinth for station Transformer	Cmt	7.6	6604.00	50190.40
16	AAAC 55 mm ²	Mtr	30	36.00	1080.00
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	291516.40

Sheet: F

Estimate for Earthing Work

Sr.No.	Description of Material	Unit	Qty.	Rate in Rs.	Amt.Rs.
1	MS Flat 75x10 mm	Kg.	800	65.00	52000.00
2	M.S. Flats(50 X 10mm)	Kg	700	65.00	45500.00
3	G.I.Strip (25 X 3 mm)	Kg	500	90.00	45000.00
4	Earthing Sets H.T with clamp	Set	20	8500.00	170000.00
5	Bentonite clay	Kg.	1500	15.00	22500.00
6	RCC Ring work for earthing pits	No.	20	293.00	5860.00
7	Welding Rods	No.	50	4.00	200.00
8	Hiring of welding machine	No.	1	274.00	274.00
				Total:	341334.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5705A

Replacement of 33 kV Ct 200-100/1-1-1 A, 3 Core

Sr.No	Description	Unit	Qty.	Rate	Amount
1	C.T.-33KV200-100/1-1-1A/3Core	No	1	31486.00	31486.00
	Cost of Material				31486.00

1	Erection cost on material	5.00%	1574
2	Contractor supervision charges on material	5.00%	1574
	Sub-Total		34635
3	Contractor's Profit	5.00%	1732
	Sub-Total		36366
4	Transportation on material	4.00%	1259
5	T&P on material cost	1.00%	315
6	Contingencies on material	2.00%	630
	Service Cost		78085
	Sub-Total		38570
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	77
	Sub-Total		38647
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	71
9	Insurance	1.00%	386
10	Turnkey Charges	0.00%	0

Total

39105

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	55217	39106
Total Cost of the Estimate	55217	39106

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5705B

Replacement of 33 kV Ct 400-200/1-1-1 A, 3 Core

Sr.No	Description	Unit	Qty.	Rate	Amount
1	33 kV C. T. (400-200/1-1-1)	No	1	33015.00	33015.00
	Cost of Material				33015.00

1	Erection cost on material	5.00%			1651
2	Contractor supervision charges on material	5.00%			1651
	Sub-Total				36317
3	Contractor's Profit	5.00%			1816
	Sub-Total				38132
4	Transportation on material	4.00%			1321
5	T&P on material cost	1.00%			330
6	Contingencies on material	2.00%			660
	Service Cost				81877
	Sub-Total				40443
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%			81
	Sub-Total				40524
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%			75
9	Insurance	1.00%			405
10	Turnkey Charges	0.00%			0
	Total				41004

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	57898	41005
Total Cost of the Estimate	57898	41005

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5707A

Replacement of 11 kV Ct 400-200/5-5 A, 3 Core O/D

Sr.No.	Description	Unit	Qty.	Rate	Amount
1	11 KV CT 400 - 200 / 5 - 5 Outdoor	No	1	14007.00	14007.00
	Cost of Material				14007.00

1	Erection cost on material	5.00%	700
2	Contractor supervision charges on material	5.00%	700
	Sub-Total		15408
3	Contractor's Profit	5.00%	770
	Sub-Total		16178
4	Transportation on material	4.00%	560
5	T&P on material cost	1.00%	140
6	Contingencies on material	2.00%	280
	Service Cost		34737
	Sub-Total		17159
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	34
	Sub-Total		17193
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	32
9	Insurance	1.00%	172
10	Turnkey Charges	0.00%	0
	Total		17397

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	24564	17397
Total Cost of the Estimate	24564	17397

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5707B

Replacement of 11 kV Ct 400-200-100/5-5-5 A, 3 Core I/D

Sr.No.	Description	Unit	Qty.	Rate	Amount
1	CT - 11 KV 400 - 200 - 100/ 5-5-5 A / 3 Core I/D	No	1	18790.00	18790.00
	Cost of Material				18790.00

1	Erection cost on material	5.00%	940
2	Contractor supervision charges on material	5.00%	940
	Sub-Total		20669
3	Contractor's Profit	5.00%	1033
	Sub-Total		21702
4	Transportation on material	4.00%	752
5	T&P on material cost	1.00%	188
6	Contingencies on material	2.00%	376
	Service Cost		46599
	Sub-Total		23018
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	46
	Sub-Total		23064
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	43
9	Insurance	1.00%	231
10	Turnkey Charges	0.00%	0

Total

23337

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	32952	23337
Total Cost of the Estimate	32952	23337

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5708

Replacement of 33 kV PT

Sr.No.	Description	Unit	Qty	Rate	Amt
1	33 KV P.T.	No	1	24916.00	24916.00
	Cost of material				24916.00

1	Erection cost on material	5.00%			1246
2	Contractor supervision charges on material	5.00%			1246
	Sub-Total				27408
3	Contractor's Profit	5.00%			1370
	Sub-Total				28778
4	Transportation on material	4.00%			997
5	T&P on material cost	1.00%			249
6	Contingencies on material	2.00%			498
	Service Cost				61792
	Sub-Total				30522
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%			61
	Sub-Total				30583
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%			57
9	Insurance	1.00%			306
10	Turnkey Charges	0.00%			0

Total

30946

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	43695	30946
Total Cost of the Estimate	43695	30946

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5709

Replacement of 22 kV PT

Sr.No.	Description	Unit	Qty	Rate	Amt
1	22 KV P.T.	No	1	23569.00	23569.00
	Cost of material				23569.00

1	Erection cost on material	5.00%			1178
2	Contractor supervision charges on material	5.00%			1178
	Sub-Total				25926
3	Contractor's Profit	5.00%			1296
	Sub-Total				27222
4	Transportation on material	4.00%			943
5	T&P on material cost	1.00%			236
6	Contingencies on material	2.00%			471
	Service Cost				58451
	Sub-Total				28872
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%			58
	Sub-Total				28930
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%			54
9	Insurance	1.00%			289
10	Turnkey Charges	0.00%			0

Total

29273

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	41333	29273
Total Cost of the Estimate	41333	29273

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5710

Replacement of 11 kV PT

Sr.No.	Description	Unit	Qty	Rate	Amt
1	11 KV PT	Set	1	11834.00	11834.00
	Cost of material				11834.00

1	Erection cost on material	5.00%			592
2	Contractor supervision charges on material	5.00%			592
	Sub-Total				13017
3	Contractor's Profit	5.00%			651
	Sub-Total				13668
4	Transportation on material	4.00%			473
5	T&P on material cost	1.00%			118
6	Contingencies on material	2.00%			237
	Service Cost				29348
	Sub-Total				14497
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%			29
	Sub-Total				14526
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%			27
9	Insurance	1.00%			145
10	Turnkey Charges	0.00%			0
	Total				14698

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	20753	14698
Total Cost of the Estimate	20753	14698

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5714

Replacement of 11 kV VCB 400Amp (Indoor Type)

Sr.No.	Description	Unit	Qty	Rate	Amt
1	11 KV VCB 400 A Indoor	Set	1	355903.00	355903.00
	Cost of material				355903.00

1	Erection cost on material	5.00%	17795
2	Contractor supervision charges on material	5.00%	17795
	Sub-Total		391493
3	Contractor's Profit	5.00%	19575
	Sub-Total		411068
4	Transportation on material	4.00%	14236
5	T&P on material cost	1.00%	3559
6	Contingencies on material	2.00%	7118
	Service Cost		882639
	Sub-Total		435981
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	872
	Sub-Total		436853
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	808
9	Insurance	1.00%	4369
10	Turnkey Charges	0.00%	0
	Total		442030

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	624147	442032
Total Cost of the Estimate	624147	442032

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5715

Replacement of 11 kV VCB 400Amp (Outdoor Type)

Sr.No.	Description	Unit	Qty	Rate	Amt
1	11 KV VCB 400 A Outdoor	Set	1	131054.00	131054.00
	Cost of material				131054.00

1	Erection cost on material	5.00%			6553
2	Contractor supervision charges on material	5.00%			6553
	Sub-Total				144159
3	Contractor's Profit	5.00%			7208
	Sub-Total				151367
4	Transportation on material	4.00%			5242
5	T&P on material cost	1.00%			1311
6	Contingencies on material	2.00%			2621
	Service Cost				325014
	Sub-Total				160541
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%			321
	Sub-Total				160862
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%			298
9	Insurance	1.00%			1609
10	Turnkey Charges	0.00%			0

Total

162768

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	229829	162769
Total Cost of the Estimate	229829	162769

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5716

Replacement of 11 kV VCB 800Amp (Indoor Type)

Sr.No.	Description	Unit	Qty	Rate	Amt
1	11 KV VCB 800 A Indoor	Set	1	365355.00	365355.00
	Cost of material				365355.00

1	Erection cost on material	5.00%			18268
2	Contractor supervision charges on material	5.00%			18268
	Sub-Total				401891
3	Contractor's Profit	5.00%			20095
	Sub-Total				421985
4	Transportation on material	4.00%			14614
5	T&P on material cost	1.00%			3654
6	Contingencies on material	2.00%			7307
	Service Cost				906080
	Sub-Total				447560
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%			895
	Sub-Total				448455
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%			830
9	Insurance	1.00%			4485
10	Turnkey Charges	0.00%			0

Total

453769

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	640723	453771
Total Cost of the Estimate	640723	453771

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5717

Replacement of 11 kV VCB 800Amp (Ourdoor Type)

Sr.No.	Description	Unit	Qty	Rate	Amt
1	11 KV VCB 800 A Outdoor	Set	1	148594.00	148594.00
	Cost of material				148594.00

1	Erection cost on material	5.00%		7430
2	Contractor supervision charges on material	5.00%		7430
	Sub-Total			163453
3	Contractor's Profit	5.00%		8173
	Sub-Total			171626
4	Transportation on material	4.00%		5944
5	T&P on material cost	1.00%		1486
6	Contingencies on material	2.00%		2972
	Service Cost			368513
	Sub-Total			182028
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%		364
	Sub-Total			182392
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%		337
9	Insurance	1.00%		1824
10	Turnkey Charges	0.00%		0
	Total			184553

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	260589	184554
Total Cost of the Estimate	260589	184554

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5718

Replacement of 33 kV Isolator 800Amp (With EB)

Sr.No.	Description	Unit	Qty	Rate	Amt
1	33 KV Isolators with EB (800 A)	Set	1	69539.00	69539.00
	Cost of material				69539.00

1	Erection cost on material	5.00%			3477
2	Contractor supervision charges on material	5.00%			3477
	Sub-Total				76493
3	Contractor's Profit	5.00%			3825
	Sub-Total				80318
4	Transportation on material	4.00%			2782
5	T&P on material cost	1.00%			695
6	Contingencies on material	2.00%			1391
	Service Cost				172457
	Sub-Total				85185
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%			170
	Sub-Total				85356
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%			158
9	Insurance	1.00%			854
10	Turnkey Charges	0.00%			0

Total

86367

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	121951	86367
Total Cost of the Estimate	121951	86367

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5720

Replacement of 11 kV Isolator Without EB

Sr.No.	Description	Unit	Qty	Rate	Amt
1	11 KV Isolators without EB (800 Amp.)	Set	1	33554.00	33554.00
	Cost of material				33554.00

1	Erection cost on material	5.00%		1678
2	Contractor supervision charges on material	5.00%		1678
	Sub-Total			36909
3	Contractor's Profit	5.00%		1845
	Sub-Total			38755
4	Transportation on material	4.00%		1342
5	T&P on material cost	1.00%		336
6	Contingencies on material	2.00%		671
	Service Cost			83214
	Sub-Total			41104
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%		82
	Sub-Total			41186
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%		76
9	Insurance	1.00%		412
10	Turnkey Charges	0.00%		0

Total

41674

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	58844	41674
Total Cost of the Estimate	58844	41674

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5721

Replacement of 22 kV Isolator Without EB

Sr.No.	Description	Unit	Qty	Rate	Amt
1	22 KV Isolators without EB (800 Amp.)	Set	1	44957.00	44957.00
	Cost of material				44957.00

1	Erection cost on material	5.00%			2248
2	Contractor supervision charges on material	5.00%			2248
	Sub-Total				49453
3	Contractor's Profit	5.00%			2473
	Sub-Total				51925
4	Transportation on material	4.00%			1798
5	T&P on material cost	1.00%			450
6	Contingencies on material	2.00%			899
	Service Cost				111493
	Sub-Total				55072
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%			110
	Sub-Total				55182
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%			102
9	Insurance	1.00%			552
10	Turnkey Charges	0.00%			0
	Total				55836

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	78841	55837
Total Cost of the Estimate	78841	55837

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5722

Replacement of 33 kV Isolator Without EB

Sr.No.	Description	Unit	Qty	Rate	Amt
1	33 KV Isolators without EB (800 Amp.)	Set	1	63643.00	63643.00
	Cost of material				63643.00

1	Erection cost on material	5.00%			3182
2	Contractor supervision charges on material	5.00%			3182
	Sub-Total				70007
3	Contractor's Profit	5.00%			3500
	Sub-Total				73508
4	Transportation on material	4.00%			2546
5	T&P on material cost	1.00%			636
6	Contingencies on material	2.00%			1273
	Service Cost				157835
	Sub-Total				77963
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%			156
	Sub-Total				78119
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%			145
9	Insurance	1.00%			781
10	Turnkey Charges	0.00%			0
	Total				79044

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	111611	79045
Total Cost of the Estimate	111611	79045

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5724

Replacement of 22 kV Lightning Arrester (Station type)

Sr.No.	Description	Unit	Qty	Rate	Amt
1	22 KV Lightning Arrestors (Station type)	Set	1	13866.00	13866.00
	Cost of material				13866.00

1	Erection cost on material	5.00%			693
2	Contractor supervision charges on material	5.00%			693
	Sub-Total				15253
3	Contractor's Profit	5.00%			763
	Sub-Total				16015
4	Transportation on material	4.00%			555
5	T&P on material cost	1.00%			139
6	Contingencies on material	2.00%			277
	Service Cost				34388
	Sub-Total				16986
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%			34
	Sub-Total				17020
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%			31
9	Insurance	1.00%			170
10	Turnkey Charges	0.00%			0

Total

17222

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	24317	17222
Total Cost of the Estimate	24317	17222

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5725

Replacement of 33 kV Lightning Arrestor (Station type)

Sr.No.	Description	Unit	Qty	Rate	Amt
1	33 KV Lightning Arrestors (Station type)	Set	1	15253.00	15253.00
	Cost of material				15253.00

1	Erection cost on material	5.00%			763
2	Contractor supervision charges on material	5.00%			763
	Sub-Total				16778
3	Contractor's Profit	5.00%			839
	Sub-Total				17617
4	Transportation on material	4.00%			610
5	T&P on material cost	1.00%			153
6	Contingencies on material	2.00%			305
	Service Cost				37827
	Sub-Total				18685
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%			37
	Sub-Total				18722
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%			35
9	Insurance	1.00%			187
10	Turnkey Charges	0.00%			0
	Total				18944

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	26749	18944
Total Cost of the Estimate	26749	18944

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5727

Replacement of 22 kV Lightning Arrester (Screw type)

Sr.No.	Description	Unit	Qty	Rate	Amt
1	22 KV Lightning Arrestors (Screw type)	Set	1	9853.00	9853.00
	Cost of material				9853.00

1	Erection cost on material	5.00%			493
2	Contractor supervision charges on material	5.00%			493
	Sub-Total				10838
3	Contractor's Profit	5.00%			542
	Sub-Total				11380
4	Transportation on material	4.00%			394
5	T&P on material cost	1.00%			99
6	Contingencies on material	2.00%			197
	Service Cost				24435
	Sub-Total				12070
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%			24
	Sub-Total				12094
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%			22
9	Insurance	1.00%			121
10	Turnkey Charges	0.00%			0

Total

12237

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	17279	12237
Total Cost of the Estimate	17279	12237

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5728

Replacement of C&R pannel with diffrential protection for 33 kV

Sr.No.	Description	Unit	Qty	Rate	Amt
1	C&R panel for 33 KV Transformer with Diff. Protection	Set	1	78541.00	78541.00
Cost of material					78541.00

1	Erection cost on material	5.00%			3927
2	Contractor supervision charges on material	5.00%			3927
	Sub-Total				86395
3	Contractor's Profit	5.00%			4320
	Sub-Total				90715
4	Transportation on material	4.00%			3142
5	T&P on material cost	1.00%			785
6	Contigencies on material	2.00%			1571
	Service Cost				194782
	Sub-Total				96213
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%			192
	Sub-Total				96405
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%			178
9	Insurance	1.00%			964
10	Turnkey Charges	0.00%			0
Total					97548

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	137737	97548
Total Cost of the Estimate	137737	97548

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5729

Replacement of control pannel 22 kV

Sr.No.	Description	Unit	Qty	Rate	Amt
1	Replacement of Control Panel 22 KV	Set	1	83137.00	83137.00
	Cost of material				83137.00

1	Erection cost on material	5.00%			4157
2	Contractor supervision charges on material	5.00%			4157
	Sub-Total				91451
3	Contractor's Profit	5.00%			4573
	Sub-Total				96023
4	Transportation on material	4.00%			3325
5	T&P on material cost	1.00%			831
6	Contigencies on material	2.00%			1663
	Service Cost				206180
	Sub-Total				101843
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%			204
	Sub-Total				102047
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%			189
9	Insurance	1.00%			1020
10	Turnkey Charges	0.00%			0

Total

103256

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	145797	103256
Total Cost of the Estimate	145797	103256

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5732

Replacement 30 V, 100 AH Lead Acid Battery sets

Sr.No.	Description	Unit	Qty	Rate	Amt
1	30 V, 100 AH Lead Acid Battery sets	No.	1	40750.00	40750.00
	Cost of material				40750.00

1	Erection cost on material	5.00%			2038
2	Contractor supervision charges on material	5.00%			2038
	Sub-Total				44825
3	Contractor's Profit	5.00%			2241
	Sub-Total				47066
4	Transportation on material	4.00%			1630
5	T&P on material cost	1.00%			408
6	Contingencies on material	2.00%			815
	Service Cost				101060
	Sub-Total				49919
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%			100
	Sub-Total				50019
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%			93
9	Insurance	1.00%			500
10	Turnkey Charges	0.00%			0
	Total				50611

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	71463	50612
Total Cost of the Estimate	71463	50612

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5733

Replacement Battery chargers suitable for above

Sr.No.	Description	Unit	Qty	Rate	Amt
1	Battery chargers suitable for above	No	1	41875.00	41875.00
	Cost of material				41875.00

1	Erection cost on material	5.00%			2094
2	Contractor supervision charges on material	5.00%			2094
	Sub-Total				46063
3	Contractor's Profit	5.00%			2303
	Sub-Total				48366
4	Transportation on material	4.00%			1675
5	T&P on material cost	1.00%			419
6	Contingencies on material	2.00%			838
	Service Cost				103850
	Sub-Total				51297
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%			103
	Sub-Total				51399
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%			95
9	Insurance	1.00%			514
10	Turnkey Charges	0.00%			0

Total

52009

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	73436	52009
Total Cost of the Estimate	73436	52009

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5734

Replacement of Battery with Battery Charger

Sr.No.	Description	Unit	Qty	Rate	Amt
1	30 V, 100 AH Lead Acid Battery sets	No	1	40750.00	40750.00
2	Battery chargers suitable for above	No	1	41875.00	41875.00
	Cost of material				82625.00

1	Erection cost on material	5.00%	4131
2	Contractor supervision charges on material	5.00%	4131
	Sub-Total		90888
3	Contractor's Profit	5.00%	4544
	Sub-Total		95432
4	Transportation on material	4.00%	3305
5	T&P on material cost	1.00%	826
6	Contingencies on material	2.00%	1653
	Service Cost		204910
	Sub-Total		101216
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	202
	Sub-Total		101418
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	188
9	Insurance	1.00%	1014
10	Turnkey Charges	0.00%	0
	Total		102620

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	144899	102620
Total Cost of the Estimate	144899	102620

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5740

Replacement of I/D Switchgear, 11kV, 250 MVA with 2 I/C + 8 OG + 1 B/C

Sr.No.	Description	Unit	Qty	Rate	Amt
1	11kV I D switchgear (2 I/c+1 B/c+8O/G)	Set	1	3943286.00	3943286.00
	Cost of material				3943286.00

1	Erection cost on material	5.00%	197164
2	Contractor supervision charges on material	5.00%	197164
	Sub-Total		4337615
3	Contractor's Profit	5.00%	216881
	Sub-Total		4554495
4	Transportation on material	4.00%	157731
5	T&P on material cost	1.00%	39433
6	Contingencies on material	2.00%	78866
	Service Cost		9779349
	Sub-Total		4830525
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	9661
	Sub-Total		4840186
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	8954
9	Insurance	1.00%	48402
10	Turnkey Charges	0.00%	0
	Total		4897543

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	6915341	4897561
Total Cost of the Estimate	6915341	4897561

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5741

Replacement of O/D Switchgear, 11kV, 250 MVA with 1 I/C + 3 OG +1 B/C

Sr.No.	Description	Unit	Qty	Rate	Amt
1	11 KV 250 MVA OD switchgear comprising of one incomer ,3 O/G & 1 B/C with associated OD panels, Isolators, CT & PT etc.	Set	1	1353373.00	1353373.00
	Cost of material				1353373.00

1	Erection cost on material	5.00%	67669
2	Contractor supervision charges on material	5.00%	67669
	Sub-Total		1488710
3	Contractor's Profit	5.00%	74436
	Sub-Total		1563146
4	Transportation on material	4.00%	54135
5	T&P on material cost	1.00%	13534
6	Contingencies on material	2.00%	27067
	Service Cost		3356365
	Sub-Total		1657882
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	3316
	Sub-Total		1661198
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	3073
9	Insurance	1.00%	16612
10	Turnkey Charges	0.00%	0
	Total		1680883

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	2373410	1680889
Total Cost of the Estimate	2373410	1680889

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5742

Replacement of O/D Switchgear, 11kV, 250 MVA with 2 I/C + 4 OG

Sr.No.	Description	Unit	Qty	Rate	Amt
1	11 KV 250 MVA OD switchgear comprising of 2 incomer & 4 single feeders with associated OD pannels , Isolators CT & PT etc	Set	1	1894721.00	1894721.00
	Cost of material				1894721.00

1	Erection cost on material	5.00%	94736
2	Contractor supervision charges on material	5.00%	94736
	Sub-Total		2084193
3	Contractor's Profit	5.00%	104210
	Sub-Total		2188403
4	Transportation on material	4.00%	75789
5	T&P on material cost	1.00%	18947
6	Contingencies on material	2.00%	37894
	Service Cost		4698908
	Sub-Total		2321033
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	4642
	Sub-Total		2325675
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	4302
9	Insurance	1.00%	23257
10	Turnkey Charges	0.00%	0
	Total		2353235

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	3322772	2353243
Total Cost of the Estimate	3322772	2353243

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5743

Replacement of O/D Switchgear, 11kV, 250 MVA with 1 I/C + 1 OG

Sr.No.	Description	Unit	Qty	Rate	Amt
1	11 KV 250 MVA O.D. Switch gear with one I/C+ one O/G	Set	1	541349.00	541349.00
	Cost of material				541349.00

1	Erection cost on material	5.00%		27067
2	Contractor supervision charges on material	5.00%		27067
	Sub-Total			595484
3	Contractor's Profit	5.00%		29774
	Sub-Total			625258
4	Transportation on material	4.00%		21654
5	T&P on material cost	1.00%		5413
6	Contingencies on material	2.00%		10827
	Service Cost			1342546
	Sub-Total			663153
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%		1326
	Sub-Total			664479
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%		1229
9	Insurance	1.00%		6645
10	Turnkey Charges	0.00%		0

Total

672353

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	949364	672355
Total Cost of the Estimate	949364	672355

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5744

Replacement of I/D Switchgear, 11kV, 500 MVA with 2 I/C + 8 OG + 1 B/C

Sr.No.	Description	Unit	Qty	Rate	Amt
1	11kV I D switchgear (2 I/c+1 B/c+8O/G)	Set	1	3943286.00	3943286.00
	Cost of material				3943286.00

1	Erection cost on material	5.00%		197164
2	Contractor supervision charges on material	5.00%		197164
	Sub-Total			4337615
3	Contractor's Profit	5.00%		216881
	Sub-Total			4554495
4	Transportation on material	4.00%		157731
5	T&P on material cost	1.00%		39433
6	Contingencies on material	2.00%		78866
	Service Cost			9779349
	Sub-Total			4830525
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%		9661
	Sub-Total			4840186
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%		8954
9	Insurance	1.00%		48402
10	Turnkey Charges	0.00%		0
	Total			4897543

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	6915341	4897561
Total Cost of the Estimate	6915341	4897561

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5745

33 kV Isolator ,800 A without EB

Sr. No.	Description of Material	Unit	QTY	Rate/Unit	Rs.	Amount Rs.
1	33 KV Isolators without EB (800 Amp.)	Set	1.00	63643.00		63643.00
	Cost of material					63643.00

1	Erection cost on material	5.00%	3182
2	Contractor supervision charges on material	5.00%	3182
	Sub-Total		70007
3	Contractor's Profit	5.00%	3500
	Sub-Total		73508
4	Transportation on material	4.00%	2546
5	T&P on material cost	1.00%	636
6	Contingencies on material	2.00%	1273
	Service Cost		157835
	Sub-Total		77963
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	156
	Sub-Total		78119
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour ccess)	0.19%	145
9	Insurance	1.00%	781
10	Turnkey Charges	0.00%	0
	Total		79044

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	111611	79045
Total Cost of the Estimate	111611	79045

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5746

33 kV Isolator ,800 A without EB with structure and PT

Sr. No.	Description of Material	Unit	QTY	Rate/Unit	Rs.	Amount Rs.
1	33 KV P.T.	No	3	24916.00		74748.00
2	33 KV Isolators without EB (800 Amp.)	Set	1	63643.00		63643.00
4	AAAC 100 mm2	mtr	300.00	70.00		21000.00
3	Structure for 33 KV PT	Kg	315	70.00		22050.00
5	Marshalling Box	No	1	5783.00		5783.00
6	Armoured Copper control cable 4C X 2.5 Sq mm	m	50	125.00		6250.00
7	Disc Insulator 11 KV 70 KN	No	18	326.00		5868.00
8	Strain Hardware for Dog0.1 or Equ.AAAC.	Set	3	370.00		1110.00
9	G.I.Nut Boltss Washer & Misc Material	LS	1	2781.00		2781.00
	Cost of material			Total		203233.00

1	Erection cost on material	5.00%	10162
2	Contractor supervision charges on material	5.00%	10162
	Sub-Total		223556
3	Contractor's Profit	5.00%	11178
	Sub-Total		234734
4	Transportation on material	4.00%	8129
5	T&P on material cost	1.00%	2032
6	Contingencies on material	2.00%	4065
	Service Cost		504018
	Sub-Total		248960
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	498
	Sub-Total		249458
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	461
9	Insurance	1.00%	2495
10	Turnkey Charges	0.00%	0
	Total		252414

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	356410	252415
Total Cost of the Estimate	356410	252415

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5747

11 kV Isolator ,400 A with EB (Indoor)

Sr. No.	Description of Material	Unit	QTY	Rate/Unit	Rs.	Amount Rs.
1	11 KV Isolator with EB 400 A	Set	1	34356.00		34356.00
	Cost of material			Total		34356.00

1	Erection cost on material	5.00%	1718
2	Contractor supervision charges on material	5.00%	1718
	Sub-Total		37792
3	Contractor's Profit	5.00%	1890
	Sub-Total		39681
4	Transportation on material	4.00%	1374
5	T&P on material cost	1.00%	344
6	Contingencies on material	2.00%	687
	Service Cost		85203
	Sub-Total		42086
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	84
	Sub-Total		42170
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	78
9	Insurance	1.00%	422
10	Turnkey Charges	0.00%	0
	Total		42670

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	60250	42670
Total Cost of the Estimate	60250	42670

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5748

Replacement of 33/11 kv 5 MVA Power transformer

Sr.No	Description	Unit	Qty.	Rate	Amount
1	Power Transformer 33/11 KV, 5 MVA	No	1	4525010.00	4525010.00
	Cost of material			Total	4525010.00

1	Erection cost on material	5.00%			226251
2	Contractor supervision charges on material	5.00%			226251
	Sub-Total				4977511
3	Contractor's Profit	5.00%			248876
	Sub-Total				5226387
4	Transportation on material	4.00%			181000
5	T&P on material cost	1.00%			45250
6	Contingencies on material	2.00%			90500
	Service Cost				11222025
	Sub-Total				5543137
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%			11086
	Sub-Total				5554224
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%			10275
9	Insurance	1.00%			55542
10	Turnkey Charges	0.00%			0
	Total				5620041

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	7935510	5620062
Total Cost of the Estimate	7935510	5620062

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5749

Replacement of 33/11 kv 5 MVA Power transformer

Sr.No	Description	Unit	Qty.	Rate	Amount
1	Power Transformer 33/11 KV, 10 MVA	No	1	8098196.00	8098196.00
	Cost of material			Total	8098196.00

1	Erection cost on material	5.00%			404910
2	Contractor supervision charges on material	5.00%			404910
	Sub-Total				8908016
3	Contractor's Profit	5.00%			445401
	Sub-Total				9353416
4	Transportation on material	4.00%			323928
5	T&P on material cost	1.00%			80982
6	Contingencies on material	2.00%			161964
	Service Cost				20083526
	Sub-Total				9920290
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%			19841
	Sub-Total				9940131
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%			0.19%
9	Insurance	1.00%			99401
10	Turnkey Charges	0.00%			0

Total

10039532

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	14201806	10057959
Civil Works for NFIPS System	233050	171360
Total Cost of the Estimate	14434856	10229319

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5751

Replacement of 22/11 kv 5 MVA Power transformer

Sr.No	Description	Unit	Qty.	Rate	Amount
1	Power Transformer 22/11 KV, 5 MVA (DY-11)	No	1	4908235.00	4908235.00
	Cost of material			Total	4908235.00

1	Erection cost on material	5.00%			245412
2	Contractor supervision charges on material	5.00%			245412
	Sub-Total				5399059
3	Contractor's Profit	5.00%			269953
	Sub-Total				5669011
4	Transportation on material	4.00%			196329
5	T&P on material cost	1.00%			49082
6	Contingencies on material	2.00%			98165
	Service Cost				12172423
	Sub-Total				6012588
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%			12025
	Sub-Total				6024613
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour ccess)	0.19%			11146
9	Insurance	1.00%			60246
10	Turnkey Charges	0.00%			0
	Total				6096005

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	8607572	6096028
Total Cost of the Estimate	8607572	6096028

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5752

Replacement of 22/11 kv 5 MVA Power transformer

Sr.No	Description	Unit	Qty.	Rate	Amount
1	Power Transformer 22/11 KV, 10 MVA (DY-11)	No	1	8382929.00	8382929.00
	Cost of material			Total	8382929.00

1	Erection cost on material	5.00%		419146
2	Contractor supervision charges on material	5.00%		419146
	Sub-Total			9221222
3	Contractor's Profit	5.00%		461061
	Sub-Total			9682283
4	Transportation on material	4.00%		335317
5	T&P on material cost	1.00%		83829
6	Contingencies on material	2.00%		167659
	Service Cost			20789664
	Sub-Total			10269088
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%		20538
	Sub-Total			10289626
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%		19036
9	Insurance	1.00%		102896
10	Turnkey Charges	0.00%		0
	Total			10411558

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	14701143	10411598
Total Cost of the Estimate	14701143	10411598

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5802A

Replacement of DB's for 25/63 KVA Distribution transformer with Kitkat DB

Sr.No	Description	Unit	Qty.	Rate	Amount
1	L.T.Dist.Boxes 25/63 KVA with KITKAT	No	1	14904.00	14904.00
2	G.I.Wire 8 SWG/ 6 SWG	Kg.	5	72.00	360.00
3	Earthing with GI pipe	LS	1	393.00	393.00
4	Sundries	LS	1	886.00	886.00
5	MS angle 50x50x6 mm	Kg	20.00	70.00	1400.00
Cost of Material					17943.00

1	Erection cost on material	15.00%	2691
2	Contractor supervision charges on material	5.00%	897
	Sub-Total		21532
3	Contractor's Profit	5.00%	1077
	Sub-Total		22608
4	Transportation on material	4.00%	718
5	T&P on material cost	1.00%	179
6	Contingencies on material	2.00%	359
	Service Cost		50061
	Sub-Total		23864
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	48
	Sub-Total		23912
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	60
9	Insurance	1.00%	239
10	Turnkey Charges	0.00%	0

Total

24211

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	34081	24210
Total Cost of the Estimate	34081	24210

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5802B

Replacement of DB's for 100 KVA Distribution transformer with Kitkat DB

Sr.No	Description	Unit	Qty.	Rate	Amount
1	L.T.Dist.Boxes 100 KVA with KITKAT	No	1	16331.00	16331.00
2	G.I.Wire 8 SWG/ 6 SWG	Kg.	5	72.00	360.00
3	Earthing with GI pipe	LS	1	393.00	393.00
4	Sundries	LS	1	886.00	886.00
5	MS angle 50x50x6 mm	Kg	20.00	70.00	1400.00
	Cost of Material				19370.00

1	Erection cost on material	15.00%	2906
2	Contractor supervision charges on material	5.00%	969
	Sub-Total		23244
3	Contractor's Profit	5.00%	1162
	Sub-Total		24406
4	Transportation on material	4.00%	775
5	T&P on material cost	1.00%	194
6	Contingencies on material	2.00%	387
	Service Cost		54042
	Sub-Total		25762
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	52
	Sub-Total		25814
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	65
9	Insurance	1.00%	258
10	Turnkey Charges	0.00%	0

Total

26136

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	36791	26136
Total Cost of the Estimate	36791	26136

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5803

Replacement of DB's for 200 KVA Distribution transformer with Kitkat DB

Sr.No	Description	Unit	Qty.	Rate	Amount
1	L.T.Dist.Boxes 200 KVA with KitKat	No	1	32292.00	32292.00
2	G.I.Wire 8 SWG/ 6 SWG	Kg.	5	72.00	360.00
3	Earthing with GI pipe	LS	1	393.00	393.00
4	Sundries	LS	1	886.00	886.00
5	MS angle 50x50x6 mm	Kg	20.00	70.00	1400.00
Cost of Material					35331.00

1	Erection cost on material	15.00%	5300
2	Contractor supervision charges on material	5.00%	1767
	Sub-Total		42397
3	Contractor's Profit	5.00%	2120
	Sub-Total		44517
4	Transportation on material	4.00%	1413
5	T&P on material cost	1.00%	353
6	Contingencies on material	2.00%	707
	Service Cost		98573
	Sub-Total		46990
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	94
	Sub-Total		47084
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	118
9	Insurance	1.00%	471
10	Turnkey Charges	0.00%	0

Total

47673

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	67108	47672
Total Cost of the Estimate	67108	47672

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5804

Replacement of DB's for 315 KVA Distribution transformer with 6 way feeder pillar with ACB

Sr.No	Description	Unit	Qty.	Rate	Amount
1	6 way feeder pillar with ACB	No	1	85509.00	85509.00
2	G.I.Wire 8 SWG/ 6 SWG	Kg.	5	72.00	360.00
3	Earthing with GI pipe	LS	1	393.00	393.00
4	Sundries	LS	1	886.00	886.00
5	MS angle 50x50x6 mm	Kg	20.00	70.00	1400.00
Cost of Material					88548.00

1	Erection cost on material	15.00%	13282
2	Contractor supervision charges on material	5.00%	4427
	Sub-Total		106258
3	Contractor's Profit	5.00%	5313
	Sub-Total		111570
4	Transportation on material	4.00%	3542
5	T&P on material cost	1.00%	885
6	Contingencies on material	2.00%	1771
	Service Cost		247049
	Sub-Total		117769
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	236
	Sub-Total		118004
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	295
9	Insurance	1.00%	1180
10	Turnkey Charges	0.00%	0

Total

119479

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	168188	119478
Total Cost of the Estimate	168188	119478

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5805

Replacement of LT C.T. Operated Electronic Meter 100/5A with Communication Port RS-232.

Sr.No	Description	Unit	Qty.	Rate	Amount
1	100/5A CT Operated Meter	No.	1.00	5352.00	5352.00
	Cost of Material				5352.00

1	Erection cost on material	15.00%	803
2	Contractor supervision charges on material	5.00%	268
	Sub-Total		6422
3	Contractor's Profit	5.00%	321
	Sub-Total		6744
4	Transportation on material	4.00%	214
5	T&P on material cost	1.00%	54
6	Contingencies on material	2.00%	107
	Service Cost		14932
	Sub-Total		7118
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	14
	Sub-Total		7132
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	18
9	Insurance	1.00%	71
10	Turnkey Charges	0.00%	0
	Total		7222

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	10166	7221
Total Cost of the Estimate	10166	7221

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5806

Replacement of DB's for 63/100 KVA Distribution transformer with MCCB DB

Sr.No	Description	Unit	Qty.	Rate	Amount
1	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
2	G.I.Wire 8 SWG/ 6 SWG	Kg.	5	72.00	360.00
3	Earthing with GI pipe	LS	1	393.00	393.00
4	Sundries	LS	1	886.00	886.00
5	MS angle 50x50x6 mm	Kg	20.00	70.00	1400.00
Cost of Material					20733.00

1	Erection cost on material	15.00%	3110
2	Contractor supervision charges on material	5.00%	1037
	Sub-Total		24880
3	Contractor's Profit	5.00%	1244
	Sub-Total		26124
4	Transportation on material	4.00%	829
5	T&P on material cost	1.00%	207
6	Contingencies on material	2.00%	415
	Service Cost		57845
	Sub-Total		27575
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	55
	Sub-Total		27630
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	69
9	Insurance	1.00%	276
10	Turnkey Charges	0.00%	0

Total

27975

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	39380	27975
Total Cost of the Estimate	39380	27975

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5807

Replacement of DB's for 200 KVA Distribution transformer with MCCB DB

Sr.No	Description	Unit	Qty.	Rate	Amount
1	L.T.Dist.Boxes 200 KVA with MCCB	No	1	31332.00	31332.00
2	G.I.Wire 8 SWG/ 6 SWG	Kg.	5	72.00	360.00
3	Earthing with GI pipe	LS	1	393.00	393.00
4	Sundries	LS	1	886.00	886.00
5	MS angle 50x50x6 mm	Kg	20.00	70.00	1400.00
Cost of Material					34371.00

1	Erection cost on material	15.00%	5156
2	Contractor supervision charges on material	5.00%	1719
	Sub-Total		41245
3	Contractor's Profit	5.00%	2062
	Sub-Total		43307
4	Transportation on material	4.00%	1375
5	T&P on material cost	1.00%	344
6	Contingencies on material	2.00%	687
	Service Cost		95895
	Sub-Total		45713
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	91
	Sub-Total		45805
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	115
9	Insurance	1.00%	458
10	Turnkey Charges	0.00%	0

Total

46377

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	65284	46377
Total Cost of the Estimate	65284	46377

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5808

Replacement of DB's for 315 KVA Distribution transformer with 6 way feeder pillar with ACB

Sr.No	Description	Unit	Qty.	Rate	Amount
1	6 way feeder pillar with ACB	No	1	85509.00	85509.00
2	G.I.Wire 8 SWG/ 6 SWG	Kg.	5	72.00	360.00
3	Earthing with GI pipe	LS	1	393.00	393.00
4	Sundries	LS	1	886.00	886.00
5	MS angle 50x50x6 mm	Kg	20.00	70.00	1400.00
Cost of Material					88548.00

1	Erection cost on material	15.00%	13282
2	Contractor supervision charges on material	5.00%	4427
	Sub-Total		106258
3	Contractor's Profit	5.00%	5313
	Sub-Total		111570
4	Transportation on material	4.00%	3542
5	T&P on material cost	1.00%	885
6	Contingencies on material	2.00%	1771
	Service Cost		247049
	Sub-Total		117769
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	236
	Sub-Total		118004
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	295
9	Insurance	1.00%	1180
10	Turnkey Charges	0.00%	0

Total

119479

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	168188	119478
Total Cost of the Estimate	168188	119478

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5816

Replacement of 11 kV Pin Insulator with pin

Sr.No	Description	Unit	Qty.	Rate	Amount
1	11 kV Pin Insulators with G.I. Pins	No.	1.00	120.00	120.00
	Cost of Material				120.00

1	Erection cost on material	15.00%			18
2	Contractor supervision charges on material	5.00%			6
	Sub-Total				144
3	Contractor's Profit	5.00%			7
	Sub-Total				151
4	Transportation on material	4.00%			5
5	T&P on material cost	1.00%			1
6	Contingencies on material	2.00%			2
	Service Cost				335
	Sub-Total				160
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%			0
	Sub-Total				160
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%			0
9	Insurance	1.00%			2
10	Turnkey Charges	0.00%			0

Total

162

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	228	162
Total Cost of the Estimate	228	162

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5817

Replacement of 22 kV Pin Insulators with G.I. Pins

Sr.No	Description	Unit	Qty.	Rate	Amount
1	22 kV Pin Insulators with G.I. Pins	No.	1.00	406.00	406.00
	Cost of Material				406.00

1	Erection cost on material	15.00%			61
2	Contractor supervision charges on material	5.00%			20
	Sub-Total				487
3	Contractor's Profit	5.00%			24
	Sub-Total				512
4	Transportation on material	4.00%			16
5	T&P on material cost	1.00%			4
6	Contingencies on material	2.00%			8
	Service Cost				1133
	Sub-Total				540
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%			1
	Sub-Total				541
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%			1
9	Insurance	1.00%			5
10	Turnkey Charges	0.00%			0

Total

548

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	771	548
Total Cost of the Estimate	771	548

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5818

Replacement of 33 kV Pin Insulator with pin

Sr.No	Description	Unit	Qty.	Rate	Amount
1	33 kV Pin Insulators with G.I. Pins	No.	1.00	486.00	486.00
	Cost of Material				486.00

1	Erection cost on material	15.00%			73
2	Contractor supervision charges on material	5.00%			24
	Sub-Total				583
3	Contractor's Profit	5.00%			29
	Sub-Total				612
4	Transportation on material	4.00%			19
5	T&P on material cost	1.00%			5
6	Contingencies on material	2.00%			10
	Service Cost				1356
	Sub-Total				646
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%			1
	Sub-Total				648
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%			2
9	Insurance	1.00%			6
10	Turnkey Charges	0.00%			0

Total

656

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	923	656
Total Cost of the Estimate	923	656

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5819

Replacement of 11 kV Disc Insulator

Sr. No.	Particulars	Unit	Qty	Rate (Rs.)	Amount (Rs.)
1	Disc Insulator 11 KV 70 KN	No	1	326.00	326.00
	Cost of material				326.00

1	Erection cost on material	15.00%	49
2	Contractor supervision charges on material	5.00%	16
	Sub-Total		391
3	Contractor's Profit	5.00%	20
	Sub-Total		411
4	Transportation on material	4.00%	13
5	T&P on material cost	1.00%	3
6	Contigencies on material	2.00%	7
	Service Cost		910
	Sub-Total		434
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1
	Sub-Total		434
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1
9	Insurance	1.00%	4
10	Turnkey Charges	0.00%	0
	Total		440

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	619	440
Total Cost of the Estimate	619	440

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5901

Replacement of RSJ pole with required Accessories 100 X 116, 11 Mt

Sr.No	Description of Material	Unit	Qty.	Rate in Rs.	Amount
1	RSJ 116x100, 11 m long	No.	1	15270.00	15270.00
2	M.S. Flats(50 X 10mm)	Kg	7.0	65.00	455.00
3	MS Channel 100x50x6 mm	Kg	33	70.00	2310.00
4	MS angle 50x50x6 mm	Kg	14	70.00	980.00
5	22 kV Pin Insulators with G.I. Pins	No	3	406.00	1218.00
6	H.T.Stay Set	Set	1	807.00	807.00
7	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	8.000	72.00	576.00
8	G.I.Wire 8 SWG/ 6 SWG	Kg.	3.000	72.00	216.00
9	Danger Board in yard.	No	1	87.00	87.00
10	Earthing Sets H.T	Set	1	462.00	462.00
11	G.I.Barbed Wire 'A' type.	Kg.	5.000	80.00	400.00
12	Sundries	LS	1	886.00	886.00
12	Concreting ration 1:3:6	Cmt.	0.5	4328.00	2164.00

Cost of material

25831.00

1	Erection cost on material	15.00%	3875
2	Contractor supervision charges on material	5.00%	1292
	Sub-Total		30997
3	Contractor's Profit	5.00%	1550
	Sub-Total		32547
4	Transportation on material	4.00%	1033
5	T&P on material cost	1.00%	258
6	Contingencies on material	2.00%	517
	Service Cost		72068
	Sub-Total		34355
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	69
	Sub-Total		34424
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	86
9	Insurance	1.00%	344
10	Turnkey Charges	0.00%	0

Total

34854

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	49063	34854
Total Cost of the Estimate	49063	34854

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5903

Replacement of RSJ pole with required Accessories 100 X 116, 10 Mt

Sr.No	Description of Material	Unit	Qty.	Rate in Rs.	Amount
1	RSJ 116x100, 10 m long	No.	1	13882.00	13882.00
2	M.S. Flats(50 X 10mm)	Kg	7.0	65.00	455.00
3	MS Channel 100x50x6 mm	Kg	33	70.00	2310.00
4	MS angle 50x50x6 mm	Kg	14	70.00	980.00
5	22 kV Pin Insulators with G.I. Pins	No	3	406.00	1218.00
6	H.T.Stay Set	Set	1	807.00	807.00
7	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	8.000	72.00	576.00
8	G.I.Wire 8 SWG/ 6 SWG	Kg.	3.000	72.00	216.00
9	Danger Board in yard.	No	1	87.00	87.00
10	Earthing Sets H.T	Set	1	462.00	462.00
11	G.I.Barbed Wire 'A' type.	Kg.	5.000	80.00	400.00
12	Sundries	LS	1	886.00	886.00
12	Concreting ration 1:3:6	Cmt.	0.5	4328.00	2164.00

Cost of material

24443.00

1	Erection cost on material	15.00%	3666
2	Contractor supervision charges on material	5.00%	1222
	Sub-Total		29332
3	Contractor's Profit	5.00%	1467
	Sub-Total		30798
4	Transportation on material	4.00%	978
5	T&P on material cost	1.00%	244
6	Contingencies on material	2.00%	489
	Service Cost		68196
	Sub-Total		32509
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	65
	Sub-Total		32574
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	81
9	Insurance	1.00%	326
10	Turnkey Charges	0.00%	0

Total

32981

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	46427	32981
Total Cost of the Estimate	46427	32981

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5904

Replacement of RSJ pole 152 X 152, 13 Mt

Sr.No	Description of Material	Unit	Qty.	Rate in Rs.	Amount
1	RSJ 152x152, 13 m long	No.	1	29109.00	29109.00
2	MS Channel 100x50x6 mm	Kg.	33	70.00	2310.00
3	G.I.Angle 50x50x6mm	Kg.	14	95.00	1330.00
4	G.I Flat 50x10 mm	Kg.	7	90.00	630.00
5	33 kV Pin Insulators with G.I. Pins	No.	3	486.00	1458.00
6	Earthing Sets H.T	Set	1	462.00	462.00
7	H.T.Stay Set	Set	1	807.00	807.00
8	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	8.000	72.00	576.00
9	G.I.Wire 8 SWG/ 6 SWG	Kg.	2	72.00	144.00
10	G.I.Nut Bolts	Kg.	1	112.00	112.00
11	Sundries	LS	1	886.00	886.00
12	Concreting ration 1:3:6	Cmt.	0.5	4328.00	2164.00

Cost of material

37824.00

1	Erection cost on material	15.00%	5674
2	Contractor supervision charges on material	5.00%	1891
	Sub-Total		45389
3	Contractor's Profit	5.00%	2269
	Sub-Total		47658
4	Transportation on material	4.00%	1513
5	T&P on material cost	1.00%	378
6	Contingencies on material	2.00%	756
	Service Cost		105529
	Sub-Total		50306
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	101
	Sub-Total		50407
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	126
9	Insurance	1.00%	504
10	Turnkey Charges	0.00%	0
	Total		51037

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	71843	51036
Total Cost of the Estimate	71843	51036

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5905

Replacement of RSJ pole 152 X 152, 11 Mt

Sr.No	Description of Material	Unit	Qty.	Rate in Rs.	Amount
1	RSJ 152x152, 11 m long	No.	1	24631.00	24631.00
2	MS Channel 100x50x6 mm	Kg.	33	70.00	2310.00
3	G.I.Angle 50x50x6mm	Kg.	14	95.00	1330.00
4	G.I Flat 50x10 mm	Kg.	7	90.00	630.00
5	33 kV Pin Insulators with G.I. Pins	No.	3	486.00	1458.00
6	Earthing Sets H.T	Set	1	462.00	462.00
7	H.T.Stay Set	Set	1	807.00	807.00
8	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	8.000	72.00	576.00
9	G.I.Wire 8 SWG/ 6 SWG	Kg.	2	72.00	144.00
10	G.I.Nut Bolts	Kg.	1	112.00	112.00
11	Sundries	LS	1	886.00	886.00
12	Concreting ration 1:3:6	Cmt.	0.5	4328.00	2164.00

Cost of material

35510.00

1	Erection cost on material	15.00%	5327
2	Contractor supervision charges on material	5.00%	1776
	Sub-Total		42612
3	Contractor's Profit	5.00%	2131
	Sub-Total		44743
4	Transportation on material	4.00%	1420
5	T&P on material cost	1.00%	355
6	Contingencies on material	2.00%	710
	Service Cost		99073
	Sub-Total		47228
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	94
	Sub-Total		47323
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	118
9	Insurance	1.00%	473
10	Turnkey Charges	0.00%	0
	Total		47914

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	67448	47914
Total Cost of the Estimate	67448	47914

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5906

Replacement of HT poles RSJ 9 mtr 100 X 116 mm

Sr.No	Particulars	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	No	1.00	12493.00	12493.00
2	M.S. Flats(50 X 10mm)	Kg	7.0	65.00	455.00
3	MS Channel 100x50x6 mm	Kg	33	70.00	2310.00
4	MS angle 50x50x6 mm	Kg	14	70.00	980.00
5	22 kV Pin Insulators with G.I. Pins	No	3	406.00	1218.00
6	H.T.Stay Set	Set	1	807.00	807.00
7	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	8.000	72.00	576.00
8	G.I.Wire 8 SWG/ 6 SWG	Kg.	3.000	72.00	216.00
9	Danger Board in yard.	No	1	87.00	87.00
10	Earthing Sets H.T	Set	1	462.00	462.00
11	G.I.Barbed Wire 'A' type.	Kg.	5.000	80.00	400.00
12	Sundries	LS	1	886.00	886.00
13	Concreting ration 1:3:6	Cmt.	0.50	4328.00	2164.00
	Cost of material				23054.00

1	Erection cost on material	15.00%	3458
2	Contractor supervision charges on material	5.00%	1153
	Sub-Total		27665
3	Contractor's Profit	5.00%	1383
	Sub-Total		29048
4	Transportation on material	4.00%	922
5	T&P on material cost	1.00%	231
6	Contingencies on material	2.00%	461
	Service Cost		64321
	Sub-Total		30662
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	61
	Sub-Total		30723
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	77
9	Insurance	1.00%	307
10	Turnkey Charges	0.00%	0
	Total		31107

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	43789	31107
Total Cost of the Estimate	43789	31107

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5907

Replacement of HT poles RSJ 9 mtr 116 X 100 mm

Sr.No	Particulars	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	No	1.00	12493.00	12493.00
2	M.S. Flats(50 X 10mm)	Kg	7.0	65.00	455.00
3	M.S.Channel 75x40x6 mm	Kg	23	70.00	1610.00
4	MS angle 50x50x6 mm	Kg	14	70.00	980.00
5	11 kV Pin Insulators with G.I. Pins	No	3	120.00	360.00
6	H.T.Stay Set	Set	1	807.00	807.00
7	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	8.000	72.00	576.00
8	G.I.Wire 8 SWG/ 6 SWG	Kg.	3.000	72.00	216.00
9	Danger Board in yard.	No	1	87.00	87.00
10	Earthing Sets H.T	Set	1	462.00	462.00
11	G.I.Barbed Wire 'A' type.	Kg.	5.000	80.00	400.00
12	Sundries	LS	1	886.00	886.00
13	Concreting ration 1:3:6	Cmt.	0.50	4328.00	2164.00
	Cost of material				21496.00

1	Erection cost on material	15.00%	3224
2	Contractor supervision charges on material	5.00%	1075
	Sub-Total		25795
3	Contractor's Profit	5.00%	1290
	Sub-Total		27085
4	Transportation on material	4.00%	860
5	T&P on material cost	1.00%	215
6	Contingencies on material	2.00%	430
	Service Cost		59974
	Sub-Total		28590
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	57
	Sub-Total		28647
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	72
9	Insurance	1.00%	286
10	Turnkey Charges	0.00%	0

Total

29005

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	40830	29005
Total Cost of the Estimate	40830	29005

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5908

Replacement of LT poles with required accessories (125 X 70 mm X 9 M) with stay

Sr.No	Particulars	Unit	Qty.	Rate	Amount
1	RSJ 125x70, 9 m long	No	1	7112.00	7112.00
2	MS angle 50x50x6 mm	Kg	5	70.00	350.00
3	MS Flat 50 X 8 mm	Kg	1.5	65.00	97.50
4	L.T.Shackle Insulator	No	4	15.00	60.00
5	L.T.Shackle hardware	Pair	4	50.00	200.00
6	Earthing Sets L.T.	Set	1	224.00	224.00
7	L.T. Stay sets	Set	1	637.00	637.00
8	G.I.Stay Wire 7/3.15mm(10SWG)	Kg.	7.000	72.00	504.00
9	Painting/Hardware & support with numbering of pole	No	1	259.00	259.00
10	G.I.Wire 8 SWG/ 6 SWG	Kg.	2.000	72.00	144.00
11	Sundries	LS	1	886.00	886.00
12	Concreting ration 1:3:6	Cmt.	0.30	4328.00	1298.40
	Cost of material				11771.90

1	Erection cost on material	15.00%	1766
2	Contractor supervision charges on material	5.00%	589
	Sub-Total		14126
3	Contractor's Profit	5.00%	706
	Sub-Total		14833
4	Transportation on material	4.00%	471
5	T&P on material cost	1.00%	118
6	Contingencies on material	2.00%	235
	Service Cost		32844
	Sub-Total		15657
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	31
	Sub-Total		15688
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	39
9	Insurance	1.00%	157
10	Turnkey Charges	0.00%	0
	Total		15884

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	22360	15884
Total Cost of the Estimate	22360	15884

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5909

Replacement of LT poles with required accessories (125 X 70 mm X 8 M) with stay

Sr.No	Particulars	Unit	Qty.	Rate	Amount
1	RSJ 125x70, 8 m long	No	1	6322.00	6322.00
2	MS angle 50x50x6 mm	Kg	5	70.00	350.00
3	MS Flat 50 X 8 mm	Kg	1.5	65.00	97.50
4	L.T.Shackle Insulator	No	4	15.00	60.00
5	L.T.Shackle hardware	Pair	4	50.00	200.00
6	Earthing Sets L.T.	Set	1	224.00	224.00
7	L.T. Stay sets	Set	1	637.00	637.00
8	G.I.Stay Wire 7/3.15mm(10SWG)	Kg.	7.000	72.00	504.00
9	Painting/Hardware & support with numbering of pole	No	1	259.00	259.00
10	G.I.Wire 8 SWG/ 6 SWG	Kg.	2.000	72.00	144.00
11	Sundries	LS	1	886.00	886.00
12	Concreting ration 1:3:6	Cmt.	0.30	4328.00	1298.40
	Cost of material				10981.90

1	Erection cost on material	15.00%	1647
2	Contractor supervision charges on material	5.00%	549
	Sub-Total		13178
3	Contractor's Profit	5.00%	659
	Sub-Total		13837
4	Transportation on material	4.00%	439
5	T&P on material cost	1.00%	110
6	Contingencies on material	2.00%	220
	Service Cost		30640
	Sub-Total		14606
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	29
	Sub-Total		14635
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	37
9	Insurance	1.00%	146
10	Turnkey Charges	0.00%	0
	Total		14818

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	20859	14818
Total Cost of the Estimate	20859	14818

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 5912

Cost data for Replacement of LT RSJ 125 x 75, 9 Mt pole

Sr.No	Description of Material	Unit	Qty.	Rate in Rs.	Amount
1	RSJ 125x70, 9 m long	No.	1	7112.00	7112.00
2	Concreting ration 1:3:6	Cmt.	0.30	4328.00	1298.40
Cost of material					7112.00

1	Erection cost on material	15.00%	1067
2	Contractor supervision charges on material	5.00%	356
Sub-Total			8534
3	Contractor's Profit	5.00%	427
Sub-Total			8961
4	Transportation on material	4.00%	284
5	T&P on material cost	1.00%	71
6	Contingencies on material	2.00%	142
Service Cost			19842
Sub-Total			9459
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	19
Sub-Total			9478
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	24
9	Insurance	1.00%	95
10	Turnkey Charges	0.00%	0

Total

9596

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	13509	9596
Total Cost of the Estimate	13509	9596

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 6001

Replacement of 1 phase meter

Sr.No	Description of Material	Unit	Qty.	Rate in Rs.	Amount
1	S.P. meter with 6LoWPAN tech. with enclosure	No.	1	814.00	814.00

Cost of material

814.00

1	Erection cost on material	15.00%			122
2	Contractor supervision charges on material	5.00%			41
	Sub-Total				977
3	Contractor's Profit	5.00%			49
	Sub-Total				1026
4	Transportation on material	4.00%			33
5	T&P on material cost	1.00%			8
6	Contingencies on material	2.00%			16
	Service Cost				2271
	Sub-Total				1083
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%			2
	Sub-Total				1085
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	1.00%			11
9	Insurance	1.00%			11
10	Turnkey Charges	0.00%			0

Total

1106

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1546	1098
Total Cost of the Estimate	1546	1098

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 6002

Replacement of 3 phase meter

Sr.No	Description of Material	Unit	Qty.	Rate in Rs.	Amount
1	LTAC T.P. 10-40A IR port meter	No.	1	818.00	818.00
Cost of material					818.00

1	Erection cost on material	15.00%	123
2	Contractor supervision charges on material	5.00%	41
	Sub-Total		982
3	Contractor's Profit	5.00%	49
	Sub-Total		1031
4	Transportation on material	4.00%	33
5	T&P on material cost	1.00%	8
6	Contingencies on material	2.00%	16
	Service Cost		2282
	Sub-Total		1088
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2
	Sub-Total		1090
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	3
9	Insurance	1.00%	11
10	Turnkey Charges	0.00%	0

Total

1104

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1554	1104
Total Cost of the Estimate	1554	1104

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 6003

Replacement of CT operated meter

Sr.No	Description of Material	Unit	Qty.	Rate in Rs.	Amount
1	TAC T.P. CT embedded 40-200 A Meter (for loads above 20kW)	No.	1	13643.00	13643.00

Cost of material

13643.00

1	Erection cost on material	15.00%	2046
2	Contractor supervision charges on material	5.00%	682
	Sub-Total		16372
3	Contractor's Profit	5.00%	819
	Sub-Total		17190
4	Transportation on material	4.00%	546
5	T&P on material cost	1.00%	136
6	Contigencies on material	2.00%	273
	Service Cost		38064
	Sub-Total		18145
7	BG Charges on 10% of the LOA amount (on Material+centage)	0.20%	36
	Sub-Total		18181
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	45
9	Insurance	1.00%	182
10	Turnkey Charges	0.00%	0

Total

18409

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	25914	18408
Total Cost of the Estimate	25914	18408

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 6106

Replacement of Mini Pillars

Sr. No.	Particulars	Unit	Qty	Rate (Rs.)	Amount (Rs.)
1	L.T. Mini Feedar Pillar	No	1	12185.00	12185.00
2	Earthing with GI pipe	No	2	393.00	786.00
3	Concreting ration 1:3:6	L. S.	1	4328.00	4328.00
4	G.I.Strip (25 X 3 mm)	KG	2	90.00	180.00
5	Sundries	L. S.	1	886.00	886.00
Cost of material					18365.00

1	Erection cost on material	15.00%	2755
2	Contractor supervision charges on material	5.00%	918
Sub-Total			22038
3	Contractor's Profit	5.00%	1102
Sub-Total			23140
4	Transportation on material	4.00%	735
5	T&P on material cost	1.00%	184
6	Contingencies on material	2.00%	367
Service Cost			51238
Sub-Total			24425
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	49
Sub-Total			24474
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	61
9	Insurance	1.00%	245
10	Turnkey Charges	0.00%	0
Total			24780

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	34882	24780
Total Cost of the Estimate	34882	24780

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 6201

Replacement of 3 Panel Ring Main Unit with 4 Panel Ring Main Unit, 11 kV

Sr.No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
1	11 kV SF6, Motorized, SCADA Compatible RMU 3 Iso + 1 Br	Set	1	561272.00	561272.00
2	11 kV heat shrinkable Indoor termination joint kit for 3 C X 185 sqmm	No	2	1600.00	3200.00
3	11 kV heat shrinkable Indoor termination joint kit for 3 C X 95 sqmm	No	1	1216.00	1216.00
4	Earthing with GI pipe	No	2	393.00	786.00
5	G.I.Strip (25 X 3 mm)	kg	2	90.00	180.00
6	Sundries such as N/B, Washers, Welding etc.	Ls	1	3163.00	3163.00
Total Cost					569817.00

1	Erection cost on material	15.00%	85473
2	Contractor supervision charges on material	5.00%	28491
Sub-Total			683780
3	Contractor's Profit	5.00%	34189
Sub-Total			717969
4	Transportation on material	4.00%	22793
5	T&P on material cost	1.00%	5698
6	Contingencies on material	2.00%	11396
Service Cost			1589789
Sub-Total			757857
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1516
Sub-Total			759372
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1898
9	Insurance	1.00%	7594
10	Turnkey Charges	0.00%	0

Total

768864

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1082310	768854
Total Cost of the Estimate	1082310	768854

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 6202

Replacement of Ring Main Unit (SF - 6) (3 Isolators + 1 Breaker)

Sr.No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
1	11 kV SF6, Motorized, SCADA Compatible RMU 3 Iso + 1 Br	Set	1	561272.00	561272.00
2	Foundation Structure for RMU for Cable Entry Etc.	No	1	28652.00	28652.00
3	Earthing to equipment with Salt ,Coke, earthing strip Etc.	No	1	15475.00	15475.00
4	Sundries such as N/B, Washers, Welding etc.	kg	1	3163.00	3163.00

Total Cost

608562.00

1	Erection cost on material	15.00%	91284
2	Contractor supervision charges on material	5.00%	30428
	Sub-Total		730274
3	Contractor's Profit	5.00%	36514
	Sub-Total		766788
4	Transportation on material	4.00%	24342
5	T&P on material cost	1.00%	6086
6	Contingencies on material	2.00%	12171
	Service Cost		1697888
	Sub-Total		809387
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1619
	Sub-Total		811006
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	2028
9	Insurance	1.00%	8110
10	Turnkey Charges	0.00%	0
	Total		821144

9	Foundation for RMU	LS	1	24419.00	24419
	Total Cost of Estimate				845563

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1155903	821133
Foundation for RMU	24419	24419
Total Cost of the Estimate	1180322	845552

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 6203

Replacement of Ring Main Unit (SF - 6) (2 Isolators + 2 Breaker)

Sr.No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
1	11 kV SF6, Motorized, SCADA Compatible RMU 2 Iso + 2 Br	Set	1	680202.00	680202.00
2	Foundation Structure for RMU for Cable Entry Etc.	No	1	28652.00	28652.00
3	Earthing to equipment with Salt ,Coke, earthing strip Etc.	No	1	15475.00	15475.00
4	Sundries such as N/B, Washers, Welding etc.	kg	1	3163.00	3163.00

Total Cost

727492.00

1	Erection cost on material	15.00%	109124
2	Contractor supervision charges on material	5.00%	36375
	Sub-Total		872990
3	Contractor's Profit	5.00%	43650
	Sub-Total		916640
4	Transportation on material	4.00%	29100
5	T&P on material cost	1.00%	7275
6	Contingencies on material	2.00%	14550
	Service Cost		2029703
	Sub-Total		967564
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1935
	Sub-Total		969499
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	2424
9	Insurance	1.00%	9695
10	Turnkey Charges	0.00%	0
	Total		981618

9	Foundation for RMU	LS	1	24419.00	24419
	Total Cost of Estimate				1006037

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1381798	981605
Foundation for RMU	33210	24419
Total Cost of the Estimate	1415008	1006024

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 6204

Replacement of Indoor Ring Main Unit (SF - 6) (3 Isolators + 2 Breaker) 22 kV

Sr.No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
1	22 kV SF6, Motorized, SCADA Compatible RMU 3 Iso + 2 Br	Set	1	921121.00	921121.00
2	Foundation Structure for RMU for Cable Entry Etc.	No	1	28652.00	28652.00
3	Earthing to equipment with Salt ,Coke, earthing strip Etc.	No	1	15475.00	15475.00
4	Sundries such as N/B, Washers, Welding etc.	kg	1	3163.00	3163.00

Total Cost

968411.00

1	Erection cost on material	15.00%	145262
2	Contractor supervision charges on material	5.00%	48421
	Sub-Total		1162093
3	Contractor's Profit	5.00%	58105
	Sub-Total		1220198
4	Transportation on material	4.00%	38736
5	T&P on material cost	1.00%	9684
6	Contingencies on material	2.00%	19368
	Service Cost		2701867
	Sub-Total		1287987
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	2576
	Sub-Total		1290563
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	3226
9	Insurance	1.00%	12906
10	Turnkey Charges	0.00%	0
	Total		1306695

9	Foundation for RMU	LS	1	24419.00	24419
	Total Cost of Estimate				1331114

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	1839400	1306677
Foundation for RMU	33210	24419
Total Cost of the Estimate	1872610	1331096

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 6701

11KV A.B. Switch, 400 A

Sr.No	Description	Unit	Qty.	Rate	Amount
1	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
2	M.S. Flats(50 X 10mm)	Kg	25	65.00	1625.00
3	M.S.Channel 75x40x6 mm	Kg	43	70.00	2982.00
4	Sundries	LS	1	886.00	886.00
	Cost of Material				17135.00

1	Erection cost on material	15.00%	2570
2	Contractor supervision charges on material	5.00%	857
	Sub-Total		20562
3	Contractor's Profit	5.00%	1028
	Sub-Total		21590
4	Transportation on material	4.00%	685
5	T&P on material cost	1.00%	171
6	Contigencies on material	2.00%	343
	Service Cost		47807
	Sub-Total		22790
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	46
	Sub-Total		22835
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	57
9	Insurance	1.00%	228
10	Turnkey Charges	0.00%	0
	Total		23121

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	32546	23120
Total Cost of the Estimate	32546	23120

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 6723

11 kV A.B. Switch 400 Amp with DP structure.

Sr.No	Description of Material	Unit	Qty.	Rate	Amount
1	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
2	MS Channel 100x50x6 mm	Kg	51	70.00	3542.00
3	M.S.Channel 75x40x6 mm	Kg	32	70.00	2240.00
4	H.T.Stay Set	Set	4	807.00	3228.00
5	Strain Hardware forWeasel/Squirrel	Set	10	225.00	2250.00
6	Disc Insulator 11 KV 70 KN	No	6	326.00	1956.00
7	RSJ 116x100, 9 m long	No	2	12493.00	24986.00
8	Sundries	LS	1	886.00	886.00
9	Concreting ration 1:3:6	LS	2	4328.00	8656.00
Cost of Material					59386.00

1	Erection cost on material	15.00%	8908
2	Contractor supervision charges on material	5.00%	2969
Sub-Total			71263
3	Contractor's Profit	5.00%	3563
Sub-Total			74826
4	Transportation on material	4.00%	2375
5	T&P on material cost	1.00%	594
6	Contingencies on material	2.00%	1188
Service Cost			165687
Sub-Total			78983
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	158
Sub-Total			79141
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	198
9	Insurance	1.00%	791
10	Turnkey Charges	0.00%	0

Total

80131

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	112798	80130
Total Cost of the Estimate	112798	80130

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 6724

22 kV A.B. Switch with RSJ pole 110 X 116, 9 mtr DP with allied fabrications.

Sr.No	Description	Unit	Qty.	Rate	Amount
1	22KV A.B.Switch, 400 A	Set	1	18203.00	18203.00
2	RSJ 116x100, 9 m long	No	2	12493.00	24986.00
3	M.S.Channel 75x40x6 mm	Kg	55	70.00	3850.00
4	M.S. Flats(50 X 10mm)	Kg	10	65.00	650.00
5	Disc Insulator 11 KV 45 KN	No	12	295.00	3540.00
6	Strain Hardware forWeasel/Squirrel	Set	6	225.00	1350.00
7	H.T.Stay Set	Set	4	807.00	3228.00
8	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	32.000	72.00	2304.00
9	Earthing Sets H.T	Set	2	462.00	924.00
10	G.I.Wire 8 SWG/ 6 SWG	Kg.	10.00	72.00	720.00
11	Sundries	LS	1	886.00	886.00
12	Concreting ration 1:3:6	LS	2	4328.00	8656.00
	Cost of Material				69297.00

1	Erection cost on material	15.00%	10395
2	Contractor supervision charges on material	5.00%	3465
	Sub-Total		83156
3	Contractor's Profit	5.00%	4158
	Sub-Total		87314
4	Transportation on material	4.00%	2772
5	T&P on material cost	1.00%	693
6	Contingencies on material	2.00%	1386
	Service Cost		193339
	Sub-Total		92165
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	184
	Sub-Total		92349
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	231
9	Insurance	1.00%	923
10	Turnkey Charges	0.00%	0
	Total		93504

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	131623	93502
Total Cost of the Estimate	131623	93502

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 6725

Supply & replacement of of 11 kV V-cross arms & Top pin supports

Sr.No	Description	Unit	Qty.	Rate	Amount
1	11 KV V cross arm with clamp	No	1	863.00	863.00
2	11 KV Top fitting with clamp	No	1	123.00	123.00
5	Sundries	LS	1	886.00	886.00
Cost of Material					1872.00

1	Erection cost on material	15.00%	281
2	Contractor supervision charges on material	5.00%	94
	Sub-Total		2246
3	Contractor's Profit	5.00%	112
	Sub-Total		2359
4	Transportation on material	4.00%	75
5	T&P on material cost	1.00%	19
6	Contingencies on material	2.00%	37
	Service Cost		5223
	Sub-Total		2490
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	5
	Sub-Total		2495
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour ccess)	0.25%	6
9	Insurance	1.00%	25
10	Turnkey Charges	0.00%	0

Total

2526

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	3556	2526
Total Cost of the Estimate	3556	2526

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 6726

Supply & replacement of of 22 kV V-cross arms & Top pin supports

Sr.No	Description	Unit	Qty.	Rate	Amount
1	22 KV V cross arm with clamp	No	1	1223.00	1223.00
2	22 KV Top Fitting	No	1	516.00	516.00
5	Sundries	LS	1	886.00	886.00
	Cost of Material				2625.00

1	Erection cost on material	15.00%	394
2	Contractor supervision charges on material	5.00%	131
	Sub-Total		3150
3	Contractor's Profit	5.00%	158
	Sub-Total		3308
4	Transportation on material	4.00%	105
5	T&P on material cost	1.00%	26
6	Contingencies on material	2.00%	53
	Service Cost		7324
	Sub-Total		3491
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	7
	Sub-Total		3498
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	9
9	Insurance	1.00%	35
10	Turnkey Charges	0.00%	0
	Total		3542

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	4986	3542
Total Cost of the Estimate	4986	3542

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 6727

Supply & replacement of of 33 kV V-cross arms & Top pin supports

Sr.No	Description	Unit	Qty.	Rate	Amount
1	33 KV V Cross Arms	No	1	1223.00	1223.00
2	33 KV Top Fitting	No	1	516.00	516.00
5	Sundries	LS	1	886.00	886.00
	Cost of Material				2625.00

1	Erection cost on material	15.00%	394
2	Contractor supervision charges on material	5.00%	131
	Sub-Total		3150
3	Contractor's Profit	5.00%	158
	Sub-Total		3308
4	Transportation on material	4.00%	105
5	T&P on material cost	1.00%	26
6	Contingencies on material	2.00%	53
	Service Cost		7324
	Sub-Total		3491
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	7
	Sub-Total		3498
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	9
9	Insurance	1.00%	35
10	Turnkey Charges	0.00%	0
	Total		3542

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	4986	3542
Total Cost of the Estimate	4986	3542

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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 6730

DP structure & reinstallation of existing 22/0.4 or 11/0.4 kV Distribution transformer on RSJ pole 100 X 116, 9 mtr with Kit Kat DB

Sr.No	Description	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	No	2	12493.00	24986.00
2	MS Channel 100x50x6 mm	Kg	100	70.00	7000.00
3	M.S.Channel 75x40x6 mm	Kg	44	70.00	3080.00
4	MS angle 50x50x6 mm	Kg	22	70.00	1540.00
5	M.S.Flat 50 x 6 mm	Kg	24	65.00	1560.00
6	22 kV Pin Insulators with G.I. Pins	No	3	406.00	1218.00
7	L.T.Dist.Boxes 100 KVA with KITKAT	No	1	16331.00	16331.00
8	L.A.s 22KV (Gapless type) with disconnecter	Set	1	2753.00	2753.00
9	H.T.Stay Set	Set	4	807.00	3228.00
10	Earthing Sets H.T	Set	5	462.00	2310.00
11	22KV H.G.Fuses	Set	1	5628.00	5628.00
12	22KV A.B.Switch, 400 A	Set	1	18203.00	18203.00
13	Danger Board in yard.	No	2	87.00	174.00
14	Painting/Hardware & support with numbering of pole	LS	1	259.00	259.00
15	Sundries	LS	1	886.00	886.00
16	Concreting ration 1:3:6	LS	2	4328.00	8656.00
	Cost of Material				89156.00

1	Erection cost on material	15.00%	13373
2	Contractor supervision charges on material	5.00%	4458
	Sub-Total		106987
3	Contractor's Profit	5.00%	5349
	Sub-Total		112337
4	Transportation on material	4.00%	3566
5	T&P on material cost	1.00%	892
6	Contingencies on material	2.00%	1783
	Service Cost		248745
	Sub-Total		118577
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	237
	Sub-Total		118815
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	297
9	Insurance	1.00%	1188
10	Turnkey Charges	0.00%	0
	Total		120300

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	169343	120298
Total Cost of the Estimate	169343	120298

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 6731

Rerouting of 22 KV Tower line with Narrow Based Towers

Sr. No.	Particulars	Unit	Qty	Rate (Rs.)	Amount (Rs.)
I)	Erection of 25 nos of towers in place of old rusted towers with pile foundation and caps and reconductoring with 232 sqmm AAAC conductor this includes the cost of tower material	No	25	710694.00	17767350.00
II)					
1	Disc Insulator 11 KV 70 KN	No	1600	326.00	521600.00
2	AAAC 232 mm2	Km	14	162.00	2268.00
3	Strain Hardware for AAAC232 sq.mm.	No	315	693.00	218295.00
4	0.2 ACSR or equivalent AAAC Loop Connector	No	615	943.00	579945.00
5	Suspension Hardware for 0.2 ACSR or equivalent AAAC	No	45	429.00	19305.00
6	Sundries Nutbolts, Binding Tapes wire etc.	L.S.	1	20700.00	20700.00
Cost of material					19129463.00

1	Erection cost on material	15.00%	2869419
2	Contractor supervision charges on material	5.00%	956473
	Sub-Total		22955356
3	Contractor's Profit	5.00%	1147768
	Sub-Total		24103123
4	Transportation on material	4.00%	765179
5	T&P on material cost	1.00%	191295
6	Contingencies on material	2.00%	382589
	Service Cost		53371202
	Sub-Total		25442186
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	50884
	Sub-Total		25493070
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	63733
9	Insurance	1.00%	254931
10	Turnkey Charges	0.00%	0
	Total		25811734

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	36334502	25811384
Total Cost of the Estimate	36334502	25811384

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 7001

GIS 33/11 KV 1 x 5 MVA (for cities Amravati, Nagpur, Pune, Bhandup, Kalyan & Nashik)

Cost data for 33/11 KV, 1 X 5 MVA GIS S/s

Sr. No.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33/22 kV Switchgear part				
1	Power Transformer 33/11 KV, 5 MVA	No	1	4525010.00	4525010.00
2	33 KV Indoor GIS Switchgear (I/C) 1250A	No.	2	1669800.00	3339600.00
3	33 KV Indoor GIS Switchgear (O/G TF) 1250A	No.	1	1669800.00	1669800.00
4	33 KV GIS Bus bar with Buscoupler and Bus riser 1250 A	No.	1	2102711.00	2102711.00
5	XLPE Cable 33 KV, 3 C / 300 mm sq.	Mtr.	200	2179.00	435800.00
6	33 kv Silicon coated touchproof Indoor termination joint (AI) kit for XLPE 3 C X 300 sqmm	No.	8	70543.00	564344.00
7	33 KV Isolators with EB (800 A)	Set	2	69539.00	139078.00
8	33 KV Lightning Arrestors (Station type)	Set	4	15253.00	61012.00
9	33 KV Post Insulator	Nos	6	631.00	3786.00
10	Gantry Structure/Steel section for 33 KV Bus as per Sheet No.1	Nos	1	263209.50	263209.50
B	11 kV Switchgear part				
11	11 KV Indoor GIS Switchgear (I/C) 800 A	No	1	1113200.00	1113200.00
12	11 KV Indoor GIS Switchgear (O/G) 400A	No.	3	1051355.00	3154065.00
	11 KV GIS Bus bar with Buscoupler and Bus riser 800 A	No	0	1442100.00	0.00
13	XLPE Cable 11 KV, 3 C / 300 mm sq.	Mtr.	2000	1498.00	2996000.00
14	11 kv heat shrinkable Indoor termination joint kit for 3 C X 300 sqmm	No.	48	1728.00	82944.00
15	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
16	Earthing complete as per Sheet no.2	Set	2	304632.00	609264.00
17	Take off structure for 3 outgoing feeder as per Sheet no.4	No.	2	356145.00	712290.00
18	11 kV Pin Insulators with G.I. Pins	No.	24	120.00	2880.00
19	Clamps and Connectors as per Sheet no.5	No.	1	289032.00	289032.00
20	L.As. 11 KV (Gapless type) with disconnector	Set	2	1531.00	3062.00
21	S/S Yard lighting as per Sheet no.7	No.	1	178380.00	178380.00
22	Control cables for S/S as per Sheet no.9	No.	1	241283.00	241283.00
23	11/0.43 KV x 100 KVA station Transformer as per Sheet no.8	No.	1	274033.40	274033.40
	Cost of material				22843583.90

1	Erection cost on material	5.00%	1142179
2	Contractor supervision charges on material	5.00%	1142179
	Sub-Total		25127942
3	Contractor's Profit	5.00%	1256397
	Sub-Total		26384339
4	Transportation on material	4.00%	913743
5	T&P on material cost	1.00%	228436
6	Contingencies on material	2.00%	456872
	Service Cost		56652088
	Sub-Total		27983390
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	55967
	Sub-Total		28039357
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	51873
9	Insurance	1.00%	280394
10	Turnkey Charges	0.00%	0
	Total		28371623
9	Civil Works As per Sheet 'C'	No.	1
	Total Cost of Estimate		7121393
			35493016

Particulars	DPR Amount	Tender/ Estimate Amount
		75.37%
Cost with overheads on Material	40060793	28371731
Civil Works As per Sheet 'C'	9666579	7121393
Total Cost of the Estimate	49727372	35493124

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No - 1

Cost data for 33 KV Gantry M.S.Structure/Steel Section for 1x5 MVA S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(6Nos.)-496.0 kg.	MT	2.976	65475.00	194853.60
2	Beam type HA(4 Nos.)-261.0 Kg.	MT	1.044	65475.00	68355.90
				Total:	263209.50

Sheet No.2

Cost data for Earthing Work at 2x 5 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	22	293.00	6446.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	304632.00

Sheet No :

4

Cost data for Take off structure for 11 KV Feeders 3 outlets at 1x 10 MVA,33/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	8	12493.00	99944.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 100 mm ²	Rmt.	150	70.00	10500.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	18	642.00	11556.00
b)	T-Connector for 100 sq mm conductor	Nos.	18	843.00	15174.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	356145.00

Sheet No.

5

Cost data for Clamps & Connectors at 2x5 MVA, 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 33 KV Isolator	Nos.	42	1141.00	47922.00
3	Connectors for T/F Bushing	Nos.	12	4350.00	52200.00
4	Clamps for 33 KV C.T.	Nos.	12	1668.00	20016.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	12	2415.00	28980.00
				Total:	289032.00

Sheet No.7

Cost data for Yard Lighting of 2X 5 MVA, 33/11 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cum	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	178380.00

Sheet No.8

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 2x 5 MVA, 33/11 S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
7	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
8	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
9	11 kV Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
10	L.T.XLPE Armoured 3.5 Core cable 120 sq.mm.	Rmt.	10	453.00	4530.00
11	L.T.XLPE Armoured 3.5 Core cable 70 sq.mm.	Rmt.	50	275.00	13750.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	274033.40

Sheet No.9

Cost data for Control cable 2X5 MVA 22/11 KV Sub.Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A) GIS	83221.00
2	Control room (As per table B) GIS	4190801.40
3	Store room of size 8.0m X 6.0 m (As per table C) GIS	0.00
4	Sanitary Water supply	0.00
5	Electrification (Lumsum)	142595.24
6	WBM Road (As per table D) GIS	112523.00
7	Chain link fencing and Barbed wire fencing (As per table E) GIS	446946.00
8	Metal Spreading (As per table F) GIS	75288.00
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.80
10	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	0.00
11	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Hybrid / Indoor / GIS	0.00
12	Water Supply arrangement for C/Room and Switch Yard.(As per table H) GIS	69772.00
13	Borewell including pumpset and allied accessories. (As per table I) GIS	114769.15
14	Const.of cable trench with covers in S/Yard. (As per table J) GIS	235004.90
15	Construction of retaining wall. (As per table K) GIS	786467.00
16	Rain Water Harvesting (As per Table L) Indoor	83020.30
17	Culvert (As per Table N) Indoor if required	197715.00
	Total=	7121392.79

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 7002

GIS 33/11 KV 1 x 5 MVA (for other Cities)

Cost data for 33/11 KV, 1 X 5 MVA GIS S/s

Sr. No.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A					
33/22 kV Switchgear part					
1	Power Transformer 33/11 KV, 5 MVA	No	1	4525010.00	4525010.00
2	33 KV Indoor GIS Switchgear (I/C) 1250A	No.	2	1669800.00	3339600.00
3	33 KV Indoor GIS Switchgear (O/G TF) 1250A	No.	1	1669800.00	1669800.00
4	XLPE Cable 33 KV, 3 C / 300 mm sq.	Mtr.	200	2179.00	435800.00
5	33 kV Silicon coated touchproof Indoor termination joint (AI) kit for XLPE 3 C X 300 sqmm	No.	8	70543.00	564344.00
6	33 KV Isolators with EB (800 A)	Set	2	69539.00	139078.00
7	33 KV Lightning Arrestors (Station type)	Set	4	15253.00	61012.00
8	33 KV Post Insulator	Nos	6	631.00	3786.00
9	Gantry Structure/Steel section for 33 KV Bus as per Sheet No.1	Nos	1	263209.50	263209.50
B					
11 kV Switchgear part					
10	11kV I D switchgear (1 l/c+1 B/c+4O/G)	No	1	2154320.00	2154320.00
11	XLPE Cable 11 KV, 3 C / 300 mm sq.	No.	300	1498.00	449400.00
12	11 kV heat shrinkable Indoor termination joint kit for 3 C X 300 sqmm	No	4	1728.00	6912.00
	Clamps and Connectors as per Sheet no.4	Mtr.	1	314286.00	314286.00
14	S/S Yard lighting as per Sheet no.5	No.	1	172312.00	172312.00
15	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
16	11/0.43 KV x 100 KVA station Transformer as per Sheet no.6	Set	1	270516.40	270516.40
17	Control cables for S/S as per Sheet no.7	No.	1	119963.00	119963.00
18	AC Distribution Board 'B' type	No.	1	24325.00	24325.00
Cost of material					14596473.90

1	Erection cost on material	5.00%	729824
2	Contractor supervision charges on material	5.00%	729824
	Sub-Total		16056121
3	Contractor's Profit	5.00%	802806
	Sub-Total		16858927
4	Transportation on material	4.00%	583859
5	T&P on material cost	1.00%	145965
6	Contingencies on material	2.00%	291929
	Service Cost		36199255
	Sub-Total		17880681
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	35761
	Sub-Total		17916442
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	33145
9	Insurance	1.00%	179164
10	Turnkey Charges	0.00%	0
	Total		18128752
9	Civil Works As per Sheet 'C'	No.	1
	Total Cost of Estimate		7121393

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	25597836	18128821
Civil Works As per Sheet 'C'	9666579	7121393
Total Cost of the Estimate	35264415	25250213

Sheet No - 1

Cost data for 33 KV Gantry M.S.Structure/Steel Section for 1x5 MVA S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(6Nos.)-496.0 kg.	MT	2.976	65475.00	194853.60
2	Beam type HA(4 Nos.)-261.0 Kg.	MT	1.044	65475.00	68355.90
Total:					263209.50

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.2

Cost data for Earthing Work at 1x 5 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	G.I.Flat 50 x 6 mm	Kg.	1500	90.00	135000.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	22	293.00	6446.00
6	Sundries such as N/B, Washers, Welding etc.	L.S.	1	3163.00	3163.00
				Total:	344409.00

Sheet No.3

Cost data of Structure for 33 KV CT & PT at 1x5 MVA, 33/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet No.4

Cost data for Clamps & Connectors at 1x5 MVA, 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	T-Connector for 200 sq mm conductor(Compression type)	Nos.	60	3855.00	231300.00
2	Clamps for 33 KV Isolator	Nos.	24	1141.00	27384.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 33 KV C.T.	Nos.	6	1668.00	10008.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	6	2415.00	14490.00
				Total:	314286.00

Sheet No.5

Cost data for Yard Lighting of 1X 5 MVA, 33/11 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	7	4328.00	30296.00
6	Red Bricks	No.	1000	8.00	8000.00
7	Sand	Cum	6	280.00	1680.00
8	Sundries	L.S.	1	886.00	886.00
				Total:	172312.00

Sheet No.6

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 1x 5 MVA, 33/11 S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	G.I.Channel 100x50x6mm	Kg.	290	95.00	27550.00
2	G.I.Channel 75x40x6mm	Kg.	15	95.00	1425.00
3	G.I Flat 75x10 mm	Kg.	20	90.00	1800.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
7	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
8	11 kv Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
9	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt.	10	453.00	4530.00
10	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	50	275.00	13750.00
11	Earthing Sets H.T	Nos.	3	462.00	1386.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	Coal	Kg.	200	17.00	3400.00
14	Salt	Kg.	200	12.00	2400.00
15	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
16	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
17	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	270516.40

Sheet No.7

Cost data for Control cable 1 X 5 MVA, 33/11KV S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	125	474.00	59250.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	130	309.00	40170.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	55	125.00	6875.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	50	79.00	3950.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	100	92.00	9200.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	119963.00

C Cost data for civil works for 33/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A) GIS	83221.00
2	Control room (As per table B) GIS	4190801.40
3	Store room of size 8.0m X 6.0 m (As per table C) GIS	0.00
4	Sanitary Water supply	0.00
5	Electrification (Lumsun)	142595.24
6	WBM Road (As per table D) GIS	112523.00
7	Chain link fencing and Barbed wire fencing (As per table E) GIS	446946.00
8	Metal Spreading (As per table F) GIS	75288.00
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.80
10	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	0.00
11	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Hybrid / Indoor / GIS	0.00
12	Water Supply arrangement for C/Room and Switch Yard.(As per table H) GIS	69772.00
13	Borewell including pumpset and allied accessories. (As per table I) GIS	114769.15
14	Const.of cable trench with covers in S/Yard. (As per table J) GIS	235004.90
15	Construction of retaining wall. (As per table K) GIS	786467.00
16	Rain Water Harvesting (As per Table L) Indoor	83020.30
17	Culvert (As per Table N) Indoor if required	197715.00
	Total=	7121392.79

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 7003

GIS 33/11 KV 2 x 5 MVA (for cities Amravati, Nagpur, Pune, Bhandup, Kalyan & Nashik)

Cost data for 33/11 KV, 2 X 5 MVA GIS S/s

Sr. No.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A					
33/22 kV Switchgear part					
1	Power Transformer 33/11 KV, 5 MVA	No	2	4525010.00	9050020.00
2	33 KV Indoor GIS Switchgear (I/C) 1250A	No.	2	1669800.00	3339600.00
3	33 KV Indoor GIS Switchgear (O/G TF) 1250A	No.	2	1669800.00	3339600.00
4	33 KV GIS Bus bar with Buscoupler and Bus riser 1250 A	No.	1	2102711.00	2102711.00
5	XLPE Cable 33 KV, 3 C / 300 mm sq.	Mtr.	200	2179.00	435800.00
6	33 kv Silicon coated touchproof Indoor termination joint (AI) kit for XLPE 3 C X 300 sqmm	No.	8	70543.00	564344.00
7	33 KV Isolators with EB (800 A)	Set	2	69539.00	139078.00
8	33 KV Lightning Arrestors (Station type)	Set	4	15253.00	61012.00
9	33 KV Post Insulator	Nos	6	631.00	3786.00
10	Gantry Structure/Steel section for 33 KV Bus as per Sheet No.1	Nos	1	263209.50	263209.50
B					
11 kV Switchgear part					
11	11 KV Indoor GIS Switchgear (I/C) 800 A	No	2	1113200.00	2226400.00
12	11 KV Indoor GIS Switchgear (O/G) 400A	No.	6	1051355.00	6308130.00
13	11 KV GIS Bus bar with Buscoupler and Bus riser 800 A	No	1	1442100.00	1442100.00
14	XLPE Cable 11 KV, 3 C / 300 mm sq.	Mtr.	2000	1498.00	2996000.00
15	11 kv heat shrinkable Indoor termination joint kit for 3 C X 300 sqmm	No.	48	1728.00	82944.00
16	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
17	Earthing complete as per Sheet no.2	Set	2	304632.00	609264.00
18	Take off structure for 3 outgoing feeder as per Sheet no.4	No.	2	356145.00	712290.00
19	11 kV Pin Insulators with G.I. Pins	No.	24	120.00	2880.00
20	Clamps and Connectors as per Sheet no.5	No.	1	289032.00	289032.00
21	L.As. 11 KV (Gapless type) with disconnector	Set	2	1531.00	3062.00
22	S/S Yard lighting as per Sheet no.7	No.	1	178380.00	178380.00
23	Control cables for S/S as per Sheet no.9	No.	1	241283.00	241283.00
24	11/0.43 KV x 100 KVA station Transformer as per Sheet no.8	No.	1	274033.40	274033.40
Cost of material					34747758.90

1	Erection cost on material	5.00%	1737388
2	Contractor supervision charges on material	5.00%	1737388
	Sub-Total		38222535
3	Contractor's Profit	5.00%	1911127
	Sub-Total		40133662
4	Transportation on material	4.00%	1389910
5	T&P on material cost	1.00%	347478
6	Contingencies on material	2.00%	694955
	Service Cost		86174442
	Sub-Total		42566005
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	85132
	Sub-Total		42651137
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	78905
9	Insurance	1.00%	426511
10	Turnkey Charges	0.00%	0
	Total		43156553
9	Civil Works As per Sheet 'C'	No.	1
	Total Cost of Estimate		7121393
			50277945

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	60937145	43156717
Civil Works As per Sheet 'C'	9666579	7121393
Total Cost of the Estimate	70603723	50278109

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No - 1

Cost data for 33 KV Gantry M.S.Structure/Steel Section for 1x5 MVA S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(6Nos.)-496.0 kg.	MT	2.976	65475.00	194853.60
2	Beam type HA(4 Nos.)-261.0 Kg.	MT	1.044	65475.00	68355.90
				Total:	263209.50

Sheet No.2

Cost data for Earthing Work at 2x 5 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	22	293.00	6446.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	304632.00

Sheet No :

4

Cost data for Take off structure for 11 KV Feeders 3 outlets at 1x 10 MVA,33/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	8	12493.00	99944.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 100 mm ²	Rmt.	150	70.00	10500.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors			0.00	
a)	DOG TO DOG or equivalent AAAC	Nos.	18	642.00	11556.00
b)	T-Connector for 100 sq mm conductor	Nos.	18	843.00	15174.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	356145.00

Sheet No.

5

Cost data for Clamps & Connectors at 2x5 MVA, 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 33 KV Isolator	Nos.	42	1141.00	47922.00
3	Connectors for T/F Bushing	Nos.	12	4350.00	52200.00
4	Clamps for 33 KV C.T.	Nos.	12	1668.00	20016.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	12	2415.00	28980.00
				Total:	289032.00

Sheet No.7

Cost data for Yard Lighting of 2X 5 MVA, 33/11 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cum	6.5	280.00	1820.00
8	Sundries	L.S.	1	886.00	886.00
				Total:	178380.00

Sheet No.8

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 2x 5 MVA, 33/11 S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
7	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
8	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
9	11 kV Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
10	L.T.XLPE Armoured 3.5 Core cable 120 sq.mm.	Rmt.	10	453.00	4530.00
11	L.T.XLPE Armoured 3.5 Core cable 70 sq.mm.	Rmt.	50	275.00	13750.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	274033.40

Sheet No.9

Cost data for Control cable 2X5 MVA 22/11 KV Sub.Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount	
1	Land Development (As per table A) GIS	83221.00	
2	Control room (As per table B) GIS	4190801.40	
3	Store room of size 8.0m X 6.0 m (As per table C) GIS	0.00	
4	Sanitary Water supply	0.00	
5	Electrification (Lumsum)	142595.24	
6	WBM Road (As per table D) GIS	112523.00	
7	Chain link fencing and Barbed wire fencing (As per table E) GIS	446946.00	
8	Metal Spreading (As per table F) GIS	75288.00	
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.80	
10			
11	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Hybrid / Indoor / GIS	0.00	
12	Water Supply arrangement for C/Room and Switch Yard.(As per table H) GIS	69772.00	
13	Borewell including pumpset and allied accessories. (As per table I) GIS	114769.15	
14	Const.of cable trench with covers in S/Yard. (As per table J) GIS	235004.90	
15	Construction of retaining wall. (As per table K) GIS	786467.00	
16	Rain Water Harvesting (As per Table L) Indoor	83020.30	
17	Culvert (As per Table N) Indoor if required	197715.00	
	Total=	7121392.79	

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 7004

GIS 33/11 KV 2 x 5 MVA (Other Cities)

Cost data for 33/11 KV, 2 X 5 MVA GIS S/s

Sr. No.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33/22 kV Switchgear part				
1	Power Transformer 33/11 KV, 5 MVA	No	2	4525010.00	9050020.00
2	33 KV Indoor GIS Switchgear (I/C) 1250A	No.	2	1669800.00	3339600.00
3	33 KV Indoor GIS Switchgear (O/G TF) 1250A	No.	2	1669800.00	3339600.00
4	33 KV GIS Bus bar with Buscoupler and Bus riser 1250 A	No.	1	2102711.00	2102711.00
5	XLPE Cable 33 KV, 3 C / 300 mm sq.	Mtr.	200	2179.00	435800.00
6	33 kV Silicon coated touchproof Indoor termination joint (AI) kit for XLPE 3 C X 300 sqmm	No.	8	70543.00	564344.00
7	33 KV Isolators with EB (800 A)	Set	2	69539.00	139078.00
8	33 KV Lightning Arrestors (Station type)	Set	4	15253.00	61012.00
9	33 KV Post Insulator	Nos	6	631.00	3786.00
10	Gantry Structure/Steel section for 33 KV Bus as per Sheet No.1	Nos	1	263209.50	263209.50
B	11 kV Switchgear part				
11	11KV I D switchgear (1 I/c+1 B/c+4O/G)	No	1	2154320.00	2154320.00
12	XLPE Cable 11 KV, 3 C / 300 mm sq.	No.	600	1498.00	898800.00
13	11 kV heat shrinkable Indoor termination joint kit for 3 C X 300 sqmm	No	8	1728.00	13824.00
14	Clamps and Connectors as per Sheet no.4	Mtr.	1	314286.00	314286.00
15	S/S Yard lighting as per Sheet no.5	No.	1	172312.00	172312.00
16	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
17	11/0.43 KV x 100 KVA station Transformer as per Sheet no.6	Set	1	270516.40	270516.40
18	Control cables for S/S as per Sheet no.7	No.	1	119963.00	119963.00
19	AC Distribution Board 'B' type	No.	1	24325.00	24325.00
	Cost of material				23350306.90

1	Erection cost on material	5.00%	1167515
2	Contractor supervision charges on material	5.00%	1167515
	Sub-Total		25685338
3	Contractor's Profit	5.00%	1284267
	Sub-Total		26969604
4	Transportation on material	4.00%	934012
5	T&P on material cost	1.00%	233503
6	Contingencies on material	2.00%	467006
	Service Cost		57908761
	Sub-Total		28604126
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	57208
	Sub-Total		28661334
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	53023
9	Insurance	1.00%	286613
10	Turnkey Charges	0.00%	0
	Total		29000971
9	Civil Works As per Sheet 'C'	No.	1
	Total Cost of Estimate		7292753

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	40949433	29001081
Civil Works As per Sheet 'C'	9899183	7292753
Total Cost of the Estimate	50848616	36293834

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No - 1

Cost data for 33 KV Gantry M.S.Structure/Steel Section for 1x5 MVA S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(6Nos.)-496.0 kg.	MT	2.976	65475.00	194853.60
2	Beam type HA(4 Nos.)-261.0 Kg.	MT	1.044	65475.00	68355.90
				Total:	263209.50

Sheet No.2

Cost data for Earthing Work at 1x 5 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	G.I.Flat 50 x 6 mm	Kg.	1500	90.00	135000.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	22	293.00	6446.00
6	Sundries such as N/B, Washers, Welding etc.	L.S.	1	3163.00	3163.00
				Total:	344409.00

Sheet No.3

Cost data of Structure for 33 KV CT & PT at 1x5 MVA, 33/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet
No.4

Cost data for Clamps & Connectors at 1x5 MVA, 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	T-Connector for 200 sq mm conductor(Compression type)	Nos.	60	3855.00	231300.00
2	Clamps for 33 KV Isolator	Nos.	24	1141.00	27384.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 33 KV C.T.	Nos.	6	1668.00	10008.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	6	2415.00	14490.00
				Total:	314286.00

Sheet No.5

Cost data for Yard Lighting of 1X 5 MVA, 33/11 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	7	4328.00	30296.00
6	Red Bricks	No.	1000	8.00	8000.00
7	Sand	Cum	6	280.00	1680.00
8	Sundries	L.S.	1	886.00	886.00
				Total:	172312.00

Sheet No.6

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 1x 5 MVA, 33/11 S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	G.I.Channel 100x50x6mm	Kg.	290	95.00	27550.00
2	G.I.Channel 75x40x6mm	Kg.	15	95.00	1425.00
3	G.I Flat 75x10 mm	Kg.	20	90.00	1800.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
7	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
8	11 kv Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
9	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt.	10	453.00	4530.00
10	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	50	275.00	13750.00
11	Earthing Sets H.T	Nos.	3	462.00	1386.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	Coal	Kg.	200	17.00	3400.00
14	Salt	Kg.	200	12.00	2400.00
15	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
16	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
17	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	270516.40

Sheet No.7

Cost data for Control cable 1 X 5 MVA, 33/11KV S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	125	474.00	59250.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	130	309.00	40170.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	55	125.00	6875.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	50	79.00	3950.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	100	92.00	9200.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	119963.00

C Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A) GIS	83221.00
2	Control room (As per table B) GIS	4190801.40
3	Store room of size 8.0m X 6.0 m (As per table C) GIS	0.00
4	Sanitary Water supply	0.00
5	Electrification (Lumsum)	142595.24
6	WBM Road (As per table D) GIS	112523.00
7	Chain link fencing and Barbed wire fencing (As per table E) GIS	446946.00
8	Metal Spreading (As per table F) GIS	75288.00
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.80
10	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	
11	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Hybrid / Indoor / GIS	0.00
12	Water Supply arrangement for C/Room and Switch Yard.(As per table H) GIS	69772.00
13	Borewell including pumpset and allied accessories. (As per table I) GIS	114769.15
14	Const.of cable trench with covers in S/Yard. (As per table J) GIS	235004.90
15	Construction of retaining wall. (As per table K) GIS	786467.00
16	Rain Water Harvesting (As per Table L) Indoor	83020.30
17	Culvert (As per Table N) Indoor if required	197715.00
18	Civil Works for NFIPS System	LS 171360.00
	Total=	7292752.79

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 7005

GIS 33/11 KV 1 x 10 MVA (for cities Amravati, Nagpur, Pune, Bhandup, Kalyan & Nashik)

Cost data for 33/11 KV, 1X 10 MVA GIS S/s

Sr. No.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A					
33 Switchgear part					
1	Power Transformer 33/11 KV, 10 MVA	No	1	8098196.00	8098196.00
2	33 KV Indoor GIS Switchgear (I/C) 1250A	No.	2	1669800.00	3339600.00
3	33 KV Indoor GIS Switchgear (O/G TF) 1250A	No.	1	1669800.00	1669800.00
4	33 KV GIS Bus bar with Buscoupler and Bus riser 1250 A	No.	1	2102711.00	2102711.00
5	XLPE Cable 33 KV, 3 C / 300 mm sq.	Mtr.	200	2179.00	435800.00
6	33 kv Silicon coated touchproof Indoor termination joint (AI) kit for XLPE 3 C X 300 sqmm	No.	8	70543.00	564344.00
7	33 KV Isolators with EB (800 A)	Set	2	69539.00	139078.00
8	33 KV Lightning Arrestors (Station type)	Set	4	15253.00	61012.00
9	33 KV Post Insulator	Nos	6	631.00	3786.00
10	Gantry Structure/Steel section for 33 KV Bus as per Sheet No.1	Nos	1	263209.50	263209.50
B					
11 kv Switchgear part					
11	11 KV Indoor GIS Switchgear (I/C) 800 A	No	1	1113200.00	1113200.00
12	11 KV Indoor GIS Switchgear (O/G) 400A	No.	4	1051355.00	4205420.00
	11 KV GIS Bus bar with Buscoupler and Bus riser 800 A	No	0	1442100.00	0.00
13	XLPE Cable 11 KV, 3 C / 300 mm sq.	Mtr.	2000	1498.00	2996000.00
14	11 kv heat shrinkable Indoor termination joint kit for 3 C X 300 sqmm	No.	48	1728.00	82944.00
15	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
16	Earthing complete as per Sheet no.2	Set	2	304632.00	609264.00
17	Take off structure for 3 outgoing feeder as per Sheet no.4	No.	2	439353.00	878706.00
18	11 kV Pin Insulators with G.I. Pins	No.	24	120.00	2880.00
19	Clamps and Connectors as per Sheet no.5	No.	1	289032.00	289032.00
20	L.As. 11 KV (Gapless type) with disconnector	Set	2	1531.00	3062.00
21	S/S Yard lighting as per Sheet no.7	No.	1	186630.00	186630.00
22	Control cables for S/S as per Sheet no.9	No.	1	241283.00	241283.00
23	11/0.43 KV x 100 KVA station Transformer as per Sheet no.8	No.	1	274033.40	274033.40
Cost of material					27642790.90

1	Erection cost on material	5.00%	1382140
2	Contractor supervision charges on material	5.00%	1382140
	Sub-Total		30407070
3	Contractor's Profit	5.00%	1520353
	Sub-Total		31927423
4	Transportation on material	4.00%	1105712
5	T&P on material cost	1.00%	276428
6	Contingencies on material	2.00%	552856
	Service Cost		68554121
	Sub-Total		33862419
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	67725
	Sub-Total		33930144
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	62771
9	Insurance	1.00%	339301
10	Turnkey Charges	0.00%	0
	Total		34332216
9	Civil Works As per Sheet 'C'	No.	1
	Total Cost of Estimate		41624969

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	48477162	34332346
Civil Works As per Sheet 'C'	9899183	7292753
Total Cost of the Estimate	58376345	41625099

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No - 1

Cost data for 33 KV Gantry M.S.Structure/Steel Section for 1x5 MVA S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(6Nos.)-496.0 kg.	MT	2.976	65475.00	194853.60
2	Beam type HA(4 Nos.)-261.0 Kg.	MT	1.044	65475.00	68355.90
				Total:	263209.50

Sheet No.2

Cost data for Earthing Work at 2x 5 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	22	293.00	6446.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	304632.00

Sheet No :

4

Cost data for Take off structure for 11 KV Feeders 3 outlets at 1x 10 MVA,33/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	8	12493.00	99944.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for0.2 ACSR	Nos.	36	700.00	25200.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 232 mm ²	Rmt.	150	162.00	24300.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors			0.00	
a)	PANTHER TO PANTHER or equivalent AAAC	Nos.	18	826.00	14868.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	18	3855.00	69390.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	439353.00

Sheet No.

5

Cost data for Clamps & Connectors at 2x5 MVA, 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 33 KV Isolator	Nos.	42	1141.00	47922.00
3	Connectors for T/F Bushing	Nos.	12	4350.00	52200.00
4	Clamps for 33 KV C.T.	Nos.	12	1668.00	20016.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	12	2415.00	28980.00
				Total:	289032.00

Sheet No.7

Cost data for Yard Lighting of 2X 10 MVA, 33/11 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Mtr.	250	125.00	31250.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cmt	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	186630.00

Sheet No.8

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 2x 5 MVA, 33/11 S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
7	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
8	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
9	11 kV Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
10	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt.	10	453.00	4530.00
11	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	50	275.00	13750.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	274033.40

Sheet No.9

Cost data for Control cable 2X5 MVA 22/11 KV Sub.Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount	
1	Land Development (As per table A) GIS	83221.00	
2	Control room (As per table B) GIS	4190801.40	
3	Store room of size 8.0m X 6.0 m (As per table C) GIS	0.00	
4	Sanitary Water supply	0.00	
5	Electrification (Lumsum)	142595.24	
6	WBM Road (As per table D) GIS	112523.00	
7	Chain link fencing and Barbed wire fencing (As per table E) GIS	446946.00	
8	Metal Spreading (As per table F) GIS	75288.00	
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.80	
10	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	0.00	
11	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Hybrid / Indoor / GIS	0.00	
12	Water Supply arrangement for C/Room and Switch Yard.(As per table H) GIS	69772.00	
13	Borewell including pumpset and allied accessories. (As per table I) GIS	114769.15	
14	Const.of cable trench with covers in S/Yard. (As per table J) GIS	235004.90	
15	Construction of retaining wall. (As per table K) GIS	786467.00	
16	Rain Water Harvesting (As per Table L) Indoor	83020.30	
17	Culvert (As per Table N) Indoor if required	197715.00	
	Civil Works for NFIPS System	171360.00	
	Total=	7292752.79	

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 7006

GIS 33/11 KV 1 x 10 MVA (Other cities)

Cost data for 33/11 KV, 1X 10 MVA GIS S/s

Sr. No.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33 kV Switchgear part				
1	Power Transformer 33/11 KV, 10 MVA	No	1	8098196.00	8098196.00
2	33 KV Indoor GIS Switchgear (I/C) 1250A	No.	1	1669800.00	1669800.00
3	33 KV Indoor GIS Switchgear (O/G TF) 1250A	No.	1	1669800.00	1669800.00
4	XLPE Cable 33 KV, 3 C / 300 mm sq.	Mtr.	200	2179.00	435800.00
5	33 kV Silicon coated touchproof Indoor termination joint (AI) kit for XLPE 3 C X 300 sqmm	No.	8	70543.00	564344.00
6	33 KV Isolators with EB (800 A)	Set	2	69539.00	139078.00
7	33 KV Lightning Arrestors (Station type)	Set	4	15253.00	61012.00
8	33 KV Post Insulator	Nos	6	631.00	3786.00
9	Gantry Structure/Steel section for 33 KV Bus as per Sheet No.1	Nos	1	263209.50	263209.50
B	11 kV Switchgear part				
10	11KV I D switchgear (1 I/c+1 B/c+4O/G)	No	1	2154320.00	2154320.00
11	XLPE Cable 11 KV, 3 C / 300 mm sq.	No.	300	1498.00	449400.00
12	11 kV heat shrinkable Indoor termination joint kit for 3 C X 300 sqmm	No	4	1728.00	6912.00
13	Clamps and Connectors as per Sheet no.4	Mtr.	1	449196.00	449196.00
14	S/S Yard lighting as per Sheet no.5	No.	1	172312.00	172312.00
15	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
16	11/0.43 KV x 100 KVA station Transformer as per Sheet no.6	Set	1	270516.40	270516.40
17	Control cables for S/S as per Sheet no.7	No.	1	119963.00	119963.00
18	AC Distribution Board 'B' type	No.	1	24325.00	24325.00
	Cost of material				16634769.90

1	Erection cost on material	5.00%	831738
2	Contractor supervision charges on material	5.00%	831738
	Sub-Total		18298247
3	Contractor's Profit	5.00%	914912
	Sub-Total		19213159
4	Transportation on material	4.00%	665391
5	T&P on material cost	1.00%	166348
6	Contingencies on material	2.00%	332695
	Service Cost		41254229
	Sub-Total		20377593
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	40755
	Sub-Total		20418348
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	37774
9	Insurance	1.00%	204183
10	Turnkey Charges	0.00%	0
	Total		20660306
9	Civil Works As per Sheet 'C'	No.	1
	Total Cost of Estimate		7292753
			27953059

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	29172396	20660384
Civil Works As per Sheet 'C'	9899183	7292753
Total Cost of the Estimate	39071579	27953137

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No - 1

Cost data for 33 KV Gantry M.S.Structure/Steel Section for 1x5 MVA S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(6Nos.)-496.0 kg.	MT	2.976	65475.00	194853.60
2	Beam type HA(4 Nos.)-261.0 Kg.	MT	1.044	65475.00	68355.90
Total:					263209.50

Sheet No.2

Cost data for Earthing Work at 1x 5 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	G.I.Flat 50 x 6 mm	Kg.	1500	90.00	135000.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal		1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	22	293.00	6446.00
6	Sundries such as N/B, Washers, Welding etc.	L.S.	1	3163.00	3163.00
Total:					344409.00

Sheet No.3

Cost data of Structure for 33 KV CT & PT at 1x5 MVA, 33/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
Total:					64960.00

Sheet
No.4

Cost data for Clamps & Connectors at 1x5 MVA, 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	T-Connector for 200 sq mm conductor(Compression type)	Nos.	60	3855.00	231300.00
2	Clamps for 33 KV Isolator	Nos.	24	1141.00	27384.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 33 KV C.T.	Nos.	6	1668.00	10008.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	6	2415.00	14490.00
7	Wedge Connectors			0.00	
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
Total:					449196.00

Sheet No.5

Cost data for Yard Lighting of 1X 5 MVA, 33/11 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	7	4328.00	30296.00
6	Red Bricks	No.	1000	8.00	8000.00
7	Sand	Cum	6	280.00	1680.00
8	Sundries	L.S.	-	886.00	886.00
Total:					172312.00

Sheet No.6

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 1x 5 MVA, 33/11 S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	G.I.Channel 100x50x6mm	Kg.	290	95.00	27550.00
2	G.I.Channel 75x40x6mm	Kg.	15	95.00	1425.00
3	G.I Flat 75x10 mm	Kg.	20	90.00	1800.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
7	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
9	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt.	10	453.00	4530.00
10	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	50	275.00	13750.00
11	Earthing Sets H.T	Nos.	3	462.00	1386.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	Coal	Kg.	200	17.00	3400.00
14	Salt	Kg.	200	12.00	2400.00
15	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
16	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
17	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	270516.40

Sheet No.7

Cost data for Control cable 1 X 5 MVA, 33/11KV S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	125	474.00	59250.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	130	309.00	40170.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	55	125.00	6875.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	50	79.00	3950.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	100	92.00	9200.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	119963.00

C Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A) GIS	83221.00
2	Control room (As per table B) GIS	4190801.40
3	Store room of size 8.0m X 6.0 m (As per table C) GIS	0.00
4	Sanitary Water supply	0.00
5	Electrification (Lumsum)	142595.24
6	WBM Road (As per table D) GIS	112523.00
7	Chain link fencing and Barbed wire fencing (As per table E) GIS	446946.00
8	Metal Spreading (As per table F) GIS	75288.00
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.80
10	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	0.00
11	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Hybrid / Indoor / GIS	0.00
12	Water Supply arrangement for C/Room and Switch Yard.(As per table H) GIS	69772.00
13	Borewell including pumpset and allied accessories. (As per table I) GIS	114769.15
14	Const.of cable trench with covers in S/Yard. (As per table J) GIS	235004.90
15	Construction of retaining wall. (As per table K) GIS	786467.00
16	Rain Water Harvesting (As per Table L) Indoor	83020.30
17	Culvert (As per Table N) Indoor if required	197715.00
	Civil Works for NFIPS System	171360.00
	Total=	7292752.79

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 7007

GIS 33/11 KV 2 x 10 MVA(for cities Amravati, Nagpur, Pune, Bhandup, Kalyan & Nashik)

Cost data for 33/11 KV, 2X 10 MVA GIS S/s

Sr. No.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A					
33/22 kV Switchgear part					
1	Power Transformer 33/11 KV, 10 MVA	No	2	8098196.00	16196392.00
2	33 KV Indoor GIS Switchgear (I/C) 1250A	No.	2	1669800.00	3339600.00
3	33 KV Indoor GIS Switchgear (O/G TF) 1250A	No.	2	1669800.00	3339600.00
4	33 KV GIS Bus bar with Buscoupler and Bus riser 1250 A	No.	1	2102711.00	2102711.00
5	XLPE Cable 33 KV, 3 C / 300 mm sq.	Mtr.	200	2179.00	435800.00
6	33 kv Silicon coated touchproof Indoor termination joint (AI) kit for XLPE 3 C X 300 sqmm	No.	8	70543.00	564344.00
7	33 KV Isolators with EB (800 A)	Set	2	69539.00	139078.00
8	33 KV Lightning Arrestors (Station type)	Set	4	15253.00	61012.00
9	33 KV Post Insulator	Nos	6	631.00	3786.00
10	Gantry Structure/Steel section for 33 KV Bus as per Sheet No.1	Nos	1	263209.50	263209.50
B					
11 kV Switchgear part					
11	11 KV Indoor GIS Switchgear (I/C) 800 A	No	2	1113200.00	2226400.00
12	11 KV Indoor GIS Switchgear (O/G) 400A	No.	8	1051355.00	8410840.00
13	11 KV GIS Bus bar with Buscoupler and Bus riser 800 A	No	1	1442100.00	1442100.00
14	XLPE Cable 11 KV, 3 C / 300 mm sq.	Mtr.	2000	1498.00	2996000.00
15	11 kv heat shrinkable Indoor termination joint kit for 3 C X 300 sqmm	No.	48	1728.00	82944.00
16	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
17	Earthing complete as per Sheet no.2	Set	2	304632.00	609264.00
18	Take off structure for 3 outgoing feeder as per Sheet no.4	No.	2	439353.00	878706.00
19	11 kV Pin Insulators with G.I. Pins	No.	24	120.00	2880.00
20	Clamps and Connectors as per Sheet no.5	No.	1	289032.00	289032.00
21	L.As. 11 KV (Gapless type) with disconnector	Set	2	1531.00	3062.00
22	S/S Yard lighting as per Sheet no.7	No.	1	178380.00	178380.00
23	Control cables for S/S as per Sheet no.9	No.	1	241283.00	241283.00
24	11/0.43 KV x 100 KVA station Transformer as per Sheet no.8	No.	1	274033.40	274033.40
Cost of material					44163256.90

1	Erection cost on material	5.00%	2208163
2	Contractor supervision charges on material	5.00%	2208163
Sub-Total			48579583
3	Contractor's Profit	5.00%	2428979
Sub-Total			51008562
4	Transportation on material	4.00%	1766530
5	T&P on material cost	1.00%	441633
6	Contingencies on material	2.00%	883265
Service Cost			109524877
Sub-Total			54099990
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	108200
Sub-Total			54208190
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	100285
9	Insurance	1.00%	542082
10	Turnkey Charges	0.00%	0
Total			54850557
9	Civil Works As per Sheet 'C'	No.	1
Total Cost of Estimate			8084234
			62934791

Particulars	DPR Amount	Tender/ Estimate Amount
		75.37%
Cost with overheads on Material	77449104	54850765
Civil Works As per Sheet 'C'	10973540	8084234
Total Cost of the Estimate	88422643	62934999

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No - 1

Cost data for 33 KV Gantry M.S.Structure/Steel Section for 1x5 MVA S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(6Nos.)-496.0 kg.	MT	2.976	65475.00	194853.60
2	Beam type HA(4 Nos.)-261.0 Kg.	MT	1.044	65475.00	68355.90
				Total:	263209.50

Sheet No.2

Cost data for Earthing Work at 2x 5 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	22	293.00	6446.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	304632.00

Sheet No :

4

Cost data for Take off structure for 11 KV Feeders 3 outlets at 1x 10 MVA,33/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	8	12493.00	99944.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for0.2 ACSR	Nos.	36	700.00	25200.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 232 mm ²	Rmt.	150	162.00	24300.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	PANTHER TO PANTHER or equivalent AAAC	Nos.	18	826.00	14868.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	18	3855.00	69390.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	439353.00

Sheet No.

5

Cost data for Clamps & Connectors at 2x5 MVA, 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 33 KV Isolator	Nos.	42	1141.00	47922.00
3	Connectors for T/F Bushing	Nos.	12	4350.00	52200.00
4	Clamps for 33 KV C.T.	Nos.	12	1668.00	20016.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	12	2415.00	28980.00
				Total:	289032.00

Sheet No.7

Cost data for Yard Lighting of 2X 10 MVA, 33/11 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cmt	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	178380.00

Sheet No.8

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 2x 5 MVA, 33/11 S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
7	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
8	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
9	11 kV Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
10	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt.	10	453.00	4530.00
11	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	50	275.00	13750.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	274033.40

Sheet No.9

Cost data for Control cable 2X5 MVA 22/11 KV Sub.Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount	
1	Land Development (As per table A) GIS	83221.00	
2	Control room (As per table B) GIS	4190801.40	
3	Store room of size 8.0m X 6.0 m (As per table C) GIS	0.00	
4	Sanitary Water supply	0.00	
5	Electrification (Lumsum)	142595.24	
6	WBM Road (As per table D) GIS	112523.00	
7	Chain link fencing and Barbed wire fencing (As per table E) GIS	446946.00	
8	Metal Spreading (As per table F) GIS	75288.00	
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.80	
10	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.80	
11	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Hybrid / Indoor / GIS	36851.80	
12	Water Supply arrangement for C/Room and Switch Yard.(As per table H) GIS	69772.00	
13	Borewell including pumpset and allied accessories. (As per table I) GIS	114769.15	
14	Const.of cable trench with covers in S/Yard. (As per table J) GIS	235004.90	
15	Construction of retaining wall. (As per table K) GIS	786467.00	
16	Rain Water Harvesting (As per Table L) Indoor	83020.30	
17	Culvert (As per Table N) Indoor if required	197715.00	
	Civil Works for NFIPS System (2 PTF)	342720.00	
	Total=		8084234.39

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 7008

GIS 33/11 KV 2 x 10 MVA (Other Cities)

Cost data for 33/11 KV, 2X 10 MVA GIS S/s

Sr. No.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33/22 kV Switchgear part				
1	Power Transformer 33/11 KV, 10 MVA	No	2	8098196.00	16196392.00
2	33 KV Indoor GIS Switchgear (I/C) 1250A	No.	2	1669800.00	3339600.00
3	33 KV Indoor GIS Switchgear (O/G TF) 1250A	No.	2	1669800.00	3339600.00
4	33 KV GIS Bus bar with Buscoupler and Bus riser 1250 A	Mtr.	1	2102711.00	2102711.00
5	XLPE Cable 33 KV, 3 C / 300 mm sq.	No.	200	2179.00	435800.00
6	33 kV Silicon coated touchproof Indoor termination joint (AI) kit for XLPE 3 C X 300 sqmm	Set	8	70543.00	564344.00
7	33 KV Isolators with EB (800 A)	Set	2	69539.00	139078.00
8	33 KV Lightning Arrestors (Station type)	Nos	4	15253.00	61012.00
9	33 KV Post Insulator	Nos	6	631.00	3786.00
10	Gantry Structure/Steel section for 33 KV Bus as per Sheet No.1	Nos	1	263209.50	263209.50
B	11 kV Switchgear part				
11	11KV I D switchgear (2 I/c+1 B/c+8O/G)	No	1	3943286.00	3943286.00
12	XLPE Cable 11 KV, 3 C / 300 mm sq.	No.	600	1498.00	898800.00
13	11 kV heat shrinkable Indoor termination joint kit for 3 C X 300 sqmm	No	8	1728.00	13824.00
14	Clamps and Connectors as per Sheet no.4	Mtr.	1	520332.00	520332.00
15	S/S Yard lighting as per Sheet no.5	No.	1	178380.00	178380.00
16	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
17	11/0.43 KV x 100 KVA station Transformer as per Sheet no.6	Set	1	270516.40	270516.40
18	Control cables for S/S as per Sheet no.7	No.	1	241283.00	241283.00
19	AC Distribution Board 'B' type	No.	1	24325.00	24325.00
	Cost of material				32619078.90

1	Erection cost on material	5.00%	1630954
2	Contractor supervision charges on material	5.00%	1630954
	Sub-Total		35880987
3	Contractor's Profit	5.00%	1794049
	Sub-Total		37675036
4	Transportation on material	4.00%	1304763
5	T&P on material cost	1.00%	326191
6	Contingencies on material	2.00%	652382
	Service Cost		80895316
	Sub-Total		39958372
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	79917
	Sub-Total		40038288
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	74071
9	Insurance	1.00%	400383
10	Turnkey Charges	0.00%	0
	Total		40512742
9	Civil Works As per Sheet 'C'	No.	1
	Total Cost of Estimate		8084234

48596977

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	57204079	40512896
Civil Works As per Sheet 'C'	10973540	8084234
Total Cost of the Estimate	68177618	48597130

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No - 1

Cost data for 33 KV Gantry M.S.Structure/Steel Section for 1x5 MVA S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(6Nos.)-496.0 kg.	MT	2.976	65475.00	194853.60
2	Beam type HA(4 Nos.)-261.0 Kg.	MT	1.044	65475.00	68355.90
				Total:	263209.50

Sheet No.2

Cost data for Earthing Work at 2x 10 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	22	293.00	6446.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	304632.00

Sheet No.3

Cost data of Structure for 33 KV CT & PT at 2x10 MVA, 33/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet
No.4

Cost data for Clamps & Connectors at 2x10 MVA, 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	T-Connector for 200 sq mm conductor(Compression type)	Nos.	60	3855.00	231300.00
2	Clamps for 33 KV Isolator	Nos.	42	1141.00	47922.00
3	Connectors for T/F Bushing	Nos.	12	4350.00	52200.00
4	Clamps for 33 KV C.T.	Nos.	12	1668.00	20016.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	12	2415.00	28980.00
7	Wedge Connectors			0.00	
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
				Total:	520332.00

Sheet No.5

Cost data for Yard Lighting of 2X 10 MVA, 33/11 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cum	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	178380.00

Sheet No.6

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 2x 10 MVA, 33/11 S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	G.I.Channel 100x50x6mm	Kg.	290	95.00	27550.00
2	G.I.Channel 75x40x6mm	Kg.	15	95.00	1425.00
3	G.I Flat 75x10 mm	Kg.	20	90.00	1800.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
7	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
9	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt.	10	453.00	4530.00
10	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	50	275.00	13750.00
11	Earthing Sets H.T	Nos.	3	462.00	1386.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	Coal	Kg.	200	17.00	3400.00
14	Salt	Kg.	200	12.00	2400.00
15	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
16	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
17	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	270516.40

Sheet No.7

Cost data for Control cable 2 X 10 MVA, 33/11KV S/Strn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A) GIS	83221.00
2	Control room (As per table B) GIS	4190801.40
3	Store room of size 8.0m X 6.0 m (As per table C) GIS	0.00
4	Sanitary Water supply	0.00
5	Electrification (Lumsum)	142595.24
6	WBM Road (As per table D) GIS	112523.00
7	Chain link fencing and Barbed wire fencing (As per table E) GIS	446946.00
8	Metal Spreading (As per table F) GIS	75288.00
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.80
10	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.80
11	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Hybrid / Indoor / GIS	36851.80
12	Water Supply arrangement for C/Room and Switch Yard.(As per table H) GIS	69772.00
13	Borewell including pumpset and allied accessories. (As per table I) GIS	114769.15
14	Const.of cable trench with covers in S/Yard. (As per table J) GIS	235004.90
15	Construction of retaining wall. (As per table K) GIS	786467.00
16	Rain Water Harvesting (As per Table L) Indoor	83020.30
17	Culvert (As per Table N) Indoor if required	197715.00
	Civil Works for NFIPS System (2 PTF)	342720.00
	Total=	8084234.39

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 7009

GIS 22/11 KV 1 x 5 MVA(for cities Amravati, Nagpur, Pune, Bhandup, Kalyan & Nashik)

Cost data for 22/11 KV, 1 X 5 MVA GIS S/s

Sr. No.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A					
33/22 kV Switchgear part					
1	Power Transformer 22/11 KV, 5 MVA (DY-11)	No	1	4908235.00	4908235.00
2	33 KV Indoor GIS Switchgear (I/C) 1250A	No.	2	1669800.00	3339600.00
3	33 KV Indoor GIS Switchgear (O/G TF) 1250A	No.	1	1669800.00	1669800.00
4	33 KV GIS Bus bar with Buscoupler and Bus riser 1250 A	No.	1	2102711.00	2102711.00
5	XLPE Cable 22 KV, 3 C / 300 mm sq.	Mtr.	200	1971.00	394200.00
6	22 kv Silicon coated touchproof Indoor termination joint (AI) kit for XLPE 3 C X 300 sqmm	No.	8	16978.00	135824.00
7	22 KV Isolators with EB (800 A)	Set	2	52349.00	104698.00
8	22 KV Lightning Arrestors (Station type)	Set	4	13866.00	55464.00
9	22 KV Post Insulator	Nos	6	498.00	2988.00
10	Gantry Structure/Steel section for 22 KV Bus as per Sheet No.1	Nos	1	263209.50	263209.50
B					
11 kV Switchgear part					
11	11 KV Indoor GIS Switchgear (I/C) 800 A	No	1	1113200.00	1113200.00
12	11 KV Indoor GIS Switchgear (O/G) 400A	No.	3	1051355.00	3154065.00
	11 KV GIS Bus bar with Buscoupler and Bus riser 800 A	No	0	1442100.00	0.00
13	XLPE Cable 11 KV, 3 C / 300 mm sq.	Mtr.	2000	1498.00	2996000.00
14	11 kv heat shrinkable Indoor termination joint kit for 3 C X 300 sqmm	No.	48	1728.00	82944.00
15	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
16	Earthing complete as per Sheet no.2	Set	2	304632.00	609264.00
17	Take off structure for 3 outgoing feeder as per Sheet no.4	No.	2	356145.00	712290.00
18	11 kV Pin Insulators with G.I. Pins	No.	24	120.00	2880.00
19	Clamps and Connectors as per Sheet no.5	No.	1	210951.00	210951.00
20	L.As. 11 KV (Gapless type) with disconnector	Set	2	1531.00	3062.00
21	S/S Yard lighting as per Sheet no.7	No.	1	178380.00	178380.00
22	Control cables for S/S as per Sheet no.9	No.	1	241283.00	241283.00
23	11/0.43 KV x 100 KVA station Transformer as per Sheet no.8	No.	1	268853.40	268853.40
Cost of material					22632701.90

1	Erection cost on material	5.00%	1131635
2	Contractor supervision charges on material	5.00%	1131635
	Sub-Total		24895972
3	Contractor's Profit	5.00%	1244799
	Sub-Total		26140771
4	Transportation on material	4.00%	905308
5	T&P on material cost	1.00%	226327
6	Contingencies on material	2.00%	452654
	Service Cost		56129101
	Sub-Total		27725060
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	55450
	Sub-Total		27780510
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	51394
9	Insurance	1.00%	277805
10	Turnkey Charges	0.00%	0
	Total		28109709
9	Civil Works As per Sheet 'C'	No.	1
	Total Cost of Estimate		7121393

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	39690969	28109816
Civil Works As per Sheet 'C'	9666579	7121393
Total Cost of the Estimate	49357548	35231209

Sheet No.1

Cost data for 22 KV Gantry M.S.structure/steel section for 2x5 MVA Sub stn. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(6Nos.)-496.0 kg.	MT	2.976	65475.00	194853.60
2	Beam type HA(4 Nos.)-261.0 Kg.	MT	1.044	65475.00	68355.90
				Total:	263209.50

Sheet No.2

Cost data for Earthing Work at 2x5 MVA at 22/11 KV sub stn. (outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	22	293.00	6446.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	304632.00

Sheet No.3

Cost data of Structure for 22 KV CT & PT at 2x5 MVA 22/11 KV Sub Stn.(Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 22 KV PT	Kg.	315	70.00	22050.00
2	Structure for 22 KV CT	Kg.	360	70.00	25200.00
3	Structure for 22 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet No :

4

Cost data for Take off structure for 11 KV Feeders 3 outlets at 2x5 MVA 22/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	8	12493.00	99944.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 100 mm ²	Rmt.	150	70.00	10500.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors			0.00	
a)	DOG TO DOG or equivalent AAAC	Nos.	18	642.00	11556.00
b)	T-Connector for 100 sq mm conductor	Nos.	18	843.00	15174.00
16	Miscellaneous material	LS	1	518.00	518.00
				Total:	356145.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.

5

Cost data for Clamps & Connectors at 2x5 MVA 22/11 kv sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 22 KV Isolator	Nos.	18	1173.00	21114.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 22 KV C.T.	Nos.	6	1639.00	9834.00
5	Clamps for 22 KV P.T.	Nos.	3	1639.00	4917.00
6	Clamp for 22 KV VCB	Nos.	6	2346.00	14076.00
				Total:	210951.00

Sheet No.7

Cost data for Yard Lighting of 2x5 MVA , 22/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cmt	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
					178380.00

Sheet No.8

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 2x5 MVA 22/11 KV sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
7	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
8	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
9	11 kv Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
10	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	10	275.00	2750.00
11	L.T. XLPE armoured cable 3 1/2 C 50 sq.mm.	Rmt.	50	207.00	10350.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	268853.40

Sheet No.9

Cost data for Control cable 2X5 MVA 22/11 KV Sub.Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

c Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A) GIS	83221.00
2	Control room (As per table B) GIS	4190801.40
3	Store room of size 8.0m X 6.0 m (As per table C) GIS	0.00
4	Sanitary Water supply	0.00
5	Electrification (Lumsum)	142595.24
6	WBM Road (As per table D) GIS	112523.00
7	Chain link fencing and Barbed wire fencing (As per table E) GIS	446946.00
8	Metal Spreading (As per table F) GIS	75288.00
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.80
10	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	0.00
11	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Hybrid / Indoor / GIS	0.00
12	Water Supply arrangement for C/Room and Switch Yard.(As per table H) GIS	69772.00
13	Borewell including pumpset and allied accessories. (As per table I) GIS	114769.15
14	Const.of cable trench with covers in S/Yard. (As per table J) GIS	235004.90
15	Construction of retaining wall. (As per table K) GIS	786467.00
16	Rain Water Harvesting (As per Table L) Indoor	83020.30
17	Culvert (As per Table N) Indoor if required	197715.00
		7121392.79

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 7010

GIS 22/11 KV 1 x 5 MVA (other cities)

Cost data for 22/11 KV, 1 X 5 MVA GIS S/s

Sr. No.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33/22 kV Switchgear part				
1	Power Transformer 22/11 KV, 5 MVA (DY-11)	No	1	4908235.00	4908235.00
2	33 KV Indoor GIS Switchgear (I/C) 1250A	No.	1	1669800.00	1669800.00
3	33 KV Indoor GIS Switchgear (O/G TF) 1250A	No.	1	1669800.00	1669800.00
4	XLPE Cable 22 KV, 3 C / 300 mm sq.	Mtr.	200	1971.00	394200.00
5	22 kV Silicon coated touchproof Indoor termination joint (AI) kit for XLPE 3 C X 300 sqmm	No.	8	16978.00	135824.00
6	22 KV Isolators with EB (800 A)	Set	2	52349.00	104698.00
7	22 KV Lightning Arrestors (Station type)	Set	4	13866.00	55464.00
8	22 KV Post Insulator	Nos	6	498.00	2988.00
9	Gantry Structure/Steel section for 22 KV Bus as per Sheet No.1	Nos	1	263209.50	263209.50
B	11 kV Switchgear part				
10	11kV I D switchgear (1 I/c+1 B/c+4O/G)	No	1	2154320.00	2154320.00
11	XLPE Cable 11 KV, 3 C / 300 mm sq.	No.	300	1498.00	449400.00
12	11 kV heat shrinkable Indoor termination joint kit for 3 C X 300 sqmm	No	4	1728.00	6912.00
13	Clamps and Connectors as per Sheet no.4	Mtr.	1	314286.00	314286.00
14	S/S Yard lighting as per Sheet no.5	No.	1	172312.00	172312.00
15	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
16	11/0.43 KV x 100 KVA station Transformer as per Sheet no.6	Set	1	270516.40	270516.40
17	Control cables for S/S as per Sheet no.7	No.	1	119963.00	119963.00
18	AC Distribution Board 'B' type	No.	1	24325.00	24325.00
	Cost of material				12799052.90

1	Erection cost on material	5.00%	639953
2	Contractor supervision charges on material	5.00%	639953
	Sub-Total		14078958
3	Contractor's Profit	5.00%	703948
	Sub-Total		14782906
4	Transportation on material	4.00%	511962
5	T&P on material cost	1.00%	127991
6	Contingencies on material	2.00%	255981
	Service Cost		31741651
	Sub-Total		15678840
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	31358
	Sub-Total		15710197
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	29064
9	Insurance	1.00%	157102
10	Turnkey Charges	0.00%	0
	Total		15896363
9	Civil Works As per Sheet 'C'	No.	1
	Total Cost of Estimate		7121393

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	22445699	15896424
Civil Works As per Sheet 'C'	9666579	7121393
Total Cost of the Estimate	32112278	23017816

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for 22 KV Gantry M.S.structure/steel section for 2x5 MVA Sub strn. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(6Nos.)-496.0 kg.	MT	2.976	65475.00	194853.60
2	Beam type HA(4 Nos.)-261.0 Kg.	MT	1.044	65475.00	68355.90
				Total:	263209.50

Sheet No.2

Cost data for Earthing Work at 1x 5 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	G.I..Flat 50 x 6 mm	Kg.	1500	90.00	135000.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	22	293.00	6446.00
6	Sundries such as N/B, Washers, Welding etc.	L.S.	1	3163.00	3163.00
				Total:	344409.00

Sheet No.3

Cost data of Structure for 33 KV CT & PT at 1x5 MVA, 33/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet
No.4

Cost data for Clamps & Connectors at 1x5 MVA, 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	T-Connector for 200 sq mm conductor(Compression type)	Nos.	60	3855.00	231300.00
2	Clamps for 33 KV Isolator	Nos.	24	1141.00	27384.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 33 KV C.T.	Nos.	6	1668.00	10008.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	6	2415.00	14490.00
				Total:	314286.00

Sheet No.5

Cost data for Yard Lighting of 1X 5 MVA, 33/11 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	7	4328.00	30296.00
6	Red Bricks	No.	1000	8.00	8000.00
7	Sand	Cum	6	280.00	1680.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	172312.00

Sheet No.6

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 1x 5 MVA, 33/11 S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	G.I.Channel 100x50x6mm	Kg.	290	95.00	27550.00
2	G.I.Channel 75x40x6mm	Kg.	15	95.00	1425.00
3	G.I Flat 75x10 mm	Kg.	20	90.00	1800.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
7	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
9	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt.	10	453.00	4530.00
10	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	50	275.00	13750.00
11	Earthing Sets H.T	Nos.	3	462.00	1386.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	Coal	Kg.	200	17.00	3400.00
14	Salt	Kg.	200	12.00	2400.00
15	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
16	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
17	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	270516.40

Sheet No.7

Cost data for Control cable 1 X 5 MVA, 33/11KV S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	125	474.00	59250.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	130	309.00	40170.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	55	125.00	6875.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	50	79.00	3950.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	100	92.00	9200.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	119963.00

C Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A) GIS	83221.00
2	Control room (As per table B) GIS	4190801.40
3	Store room of size 8.0m X 6.0 m (As per table C) GIS	0.00
4	Sanitary Water supply	0.00
5	Electrification (Lumsum)	142595.24
6	WBM Road (As per table D) GIS	112523.00
7	Chain link fencing and Barbed wire fencing (As per table E) GIS	446946.00
8	Metal Spreading (As per table F) GIS	75288.00
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.80
10	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	0.00
11	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Hybrid / Indoor / GIS	0.00
12	Water Supply arrangement for C/Room and Switch Yard.(As per table H) GIS	69772.00
13	Borewell including pumpset and allied accessories. (As per table I) GIS	114769.15
14	Const.of cable trench with covers in S/Yard. (As per table J) GIS	235004.90
15	Construction of retaining wall. (As per table K) GIS	786467.00
16	Rain Water Harvesting (As per Table L) Indoor	83020.30
17	Culvert (As per Table N) Indoor if required	197715.00
	Total=	7121392.79

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 7011

GIS 22/11 KV 2 x 5 MVA (for cities Amravati, Nagpur, Pune, Bhandup, Kalyan & Nashik)

Cost data for 22/11 KV, 2 X 5 MVA GIS S/s

Sr. No.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A					
33/22 kV Switchgear part					
1	Power Transformer 22/11 KV, 5 MVA (DY-11)	No	2	4908235.00	9816470.00
2	33 KV Indoor GIS Switchgear (I/C) 1250A	No.	2	1669800.00	3339600.00
3	33 KV Indoor GIS Switchgear (O/G TF) 1250A	No.	2	1669800.00	3339600.00
4	33 KV GIS Bus bar with Buscoupler and Bus riser 1250 A	No.	1	2102711.00	2102711.00
5	XLPE Cable 22 KV, 3 C / 300 mm sq.	Mtr.	200	1971.00	394200.00
6	22 kv Silicon coated touchproof Indoor termination joint (AI) kit for XLPE 3 C X 300 sqmm	No.	8	16978.00	135824.00
7	22 KV Isolators with EB (800 A)	Set	2	52349.00	104698.00
8	22 KV Lightning Arrestors (Station type)	Set	4	13866.00	55464.00
9	22 KV Post Insulator	Nos	6	498.00	2988.00
10	Gantry Structure/Steel section for 22 KV Bus as per Sheet No.1	Nos	1	263209.50	263209.50
B					
11 kV Switchgear part					
11	11 KV Indoor GIS Switchgear (I/C) 800 A	No	2	1113200.00	2226400.00
12	11 KV Indoor GIS Switchgear (O/G) 400A	No.	6	1051355.00	6308130.00
13	11 KV GIS Bus bar with Buscoupler and Bus riser 800 A	No	1	1442100.00	1442100.00
14	XLPE Cable 11 KV, 3 C / 300 mm sq.	Mtr.	2000	1498.00	2996000.00
15	11 kv heat shrinkable Indoor termination joint kit for 3 C X 300 sqmm	No.	48	1728.00	82944.00
16	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
17	Earthing complete as per Sheet no.2	Set	2	304632.00	609264.00
18	Take off structure for 3 outgoing feeder as per Sheet no.4	No.	2	356145.00	712290.00
19	11 kV Pin Insulators with G.I. Pins	No.	24	120.00	2880.00
20	Clamps and Connectors as per Sheet no.5	No.	1	210951.00	210951.00
21	L.As. 11 KV (Gapless type) with disconnector	Set	2	1531.00	3062.00
22	S/S Yard lighting as per Sheet no.7	No.	1	178380.00	178380.00
23	Control cables for S/S as per Sheet no.9	No.	1	241283.00	241283.00
24	11/0.43 KV x 100 KVA station Transformer as per Sheet no.8	No.	1	268853.40	268853.40
Cost of material					34920101.90

1	Erection cost on material	5.00%	1746005
2	Contractor supervision charges on material	5.00%	1746005
Sub-Total			38412112
3	Contractor's Profit	5.00%	1920606
Sub-Total			40332718
4	Transportation on material	4.00%	1396804
5	T&P on material cost	1.00%	349201
6	Contingencies on material	2.00%	698402
Service Cost			86601853
Sub-Total			42777125
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	85554
Sub-Total			42862679
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	79296
9	Insurance	1.00%	428627
10	Turnkey Charges	0.00%	0
Total			43370602
9	Civil Works As per Sheet 'C'	No.	1
Total Cost of Estimate			7704663
			51075264

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	61239383	43370767
Civil Works As per Sheet 'C'	10458309	7704663
Total Cost of the Estimate	71697692	51075429

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for 22 KV Gantry M.S.structure/steel section for 2x5 MVA Sub stn. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(6Nos.)-496.0 kg.	MT	2.976	65475.00	194853.60
2	Beam type HA(4 Nos.)-261.0 Kg.	MT	1.044	65475.00	68355.90
Total:					263209.50

Sheet No.2

Cost data for Earthing Work at 2x5 MVA at 22/11 KV sub stn. (outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	22	293.00	6446.00
6	Sundries	L.S.	1	886.00	886.00
Total:					304632.00

Sheet No.3

Cost data of Structure for 22 KV CT & PT at 2x5 MVA 22/11 KV Sub Stn.(Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 22 KV PT	Kg.	315	70.00	22050.00
2	Structure for 22 KV CT	Kg.	360	70.00	25200.00
3	Structure for 22 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
Total:					64960.00

Sheet No :

4

Cost data for Take off structure for 11 KV Feeders 3 outlets at 2x5 MVA 22/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	8	12493.00	99944.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Disc Insulator 11 KV 70 KN	Nos.	36	326.00	11736.00
7	Strain Hardware for Dog0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 100 mm ²	Rmt.	150	70.00	10500.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors			#N/A	
a)	DOG TO DOG or equivalent AAAC	Nos.	18	642.00	11556.00
b)	T-Connector for 100 sq mm conductor	Nos.	18	843.00	15174.00
16	Miscellaneous material	LS	1	518.00	518.00
Total:					356145.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.

5

Cost data for Clamps & Connectors at 2x5 MVA 22/11 kv sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 22 KV Isolator	Nos.	18	1173.00	21114.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 22 KV C.T.	Nos.	6	1639.00	9834.00
5	Clamps for 22 KV P.T.	Nos.	3	1639.00	4917.00
6	Clamp for 22 KV VCB	Nos.	6	2346.00	14076.00
				Total:	210951.00

Sheet No.7

Cost data for Yard Lighting of 2x5 MVA , 22/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cmt	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
					178380.00

Sheet No.8

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 2x5 MVA 22/11 KV sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
7	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
8	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
9	11 kv Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
10	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	10	275.00	2750.00
11	L.T. XLPE armoured cable 3 1/2 C 50 sq.mm.	Rmt.	50	207.00	10350.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	268853.40

Sheet No.9

Cost data for Control cable 2X5 MVA 22/11 KV Sub.Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A) GIS	83221.00
2	Control room (As per table B) GIS	4190801.40
3	Store room of size 8.0m X 6.0 m (As per table C) GIS	0.00
4	Sanitary Water supply	0.00
5	Electrification (Lumsum)	142595.24
6	WBM Road (As per table D) GIS	112523.00
7	Chain link fencing and Barbed wire fencing (As per table E) GIS	446946.00
8	Metal Spreading (As per table F) GIS	75288.00
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.80
10	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.80
11	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Hybrid / Indoor / GIS	0.00
12	Water Supply arrangement for C/Room and Switch Yard.(As per table H) GIS	69772.00
13	Borewell including pumpset and allied accessories. (As per table I) GIS	114769.15
14	Const.of cable trench with covers in S/Yard. (As per table J) GIS	235004.90
15	Construction of retaining wall. (As per table K) GIS	786467.00
16	Rain Water Harvesting (As per Table L) Indoor	83020.30
17	Culvert (As per Table N) Indoor if required	197715.00
	Total=	7704662.59

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 7012

GIS 22/11 KV 2 x 5 MVA (other cities)

Cost data for 22/11 KV, 2 X 5 MVA GIS S/s

Sr. No.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33/22 kV Switchgear part				
1	Power Transformer 22/11 KV, 5 MVA (DY-11)	No	2	4908235.00	9816470.00
2	33 KV Indoor GIS Switchgear (I/C) 1250A	No.	2	1669800.00	3339600.00
3	33 KV Indoor GIS Switchgear (O/G TF) 1250A	No.	2	1669800.00	3339600.00
4	33 KV GIS Bus bar with Buscoupler and Bus riser 1250 A	No.	1	2102711.00	2102711.00
5	XLPE Cable 22 KV, 3 C / 300 mm sq.	Mtr.	200	1971.00	394200.00
6	22 kV Silicon coated touchproof Indoor termination joint (AI) kit for XLPE 3 C X 300 sqmm	No.	8	16978.00	135824.00
7	22 KV Isolators with EB (800 A)	Set	2	52349.00	104698.00
8	22 KV Lightning Arrestors (Station type)	Set	4	13866.00	55464.00
9	22 KV Post Insulator	Nos	6	498.00	2988.00
10	Gantry Structure/Steel section for 22 KV Bus as per Sheet No.1	Nos	1	263209.50	263209.50
B	11 kV Switchgear part				
11	11KV I D switchgear (2 I/c+1 B/c+8O/G)	No	1	3943286.00	3943286.00
12	XLPE Cable 11 KV, 3 C / 300 mm sq.	No.	600	1498.00	898800.00
13	11 kV heat shrinkable Indoor termination joint kit for 3 C X 300 sqmm	No	8	1728.00	13824.00
14	Clamps and Connectors as per Sheet no.4	Mtr.	1	520332.00	520332.00
15	S/S Yard lighting as per Sheet no.5	No.	1	178380.00	178380.00
16	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
17	11/0.43 KV x 100 KVA station Transformer as per Sheet no.6	Set	1	270516.40	270516.40
18	Control cables for S/S as per Sheet no.7	No.	1	241283.00	241283.00
19	AC Distribution Board 'B' type	No.	1	24325.00	24325.00
	Cost of material				25728310.90

1	Erection cost on material	5.00%	1286416
2	Contractor supervision charges on material	5.00%	1286416
	Sub-Total		28301142
3	Contractor's Profit	5.00%	1415057
	Sub-Total		29716199
4	Transportation on material	4.00%	1029132
5	T&P on material cost	1.00%	257283
6	Contingencies on material	2.00%	514566
	Service Cost		63806211
	Sub-Total		31517181
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	63034
	Sub-Total		31580215
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	58423
9	Insurance	1.00%	315802
10	Turnkey Charges	0.00%	0
	Total		31954441
9	Civil Works As per Sheet 'C'	No.	1
	Total Cost of Estimate		7704663

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	45119739	31954562
Civil Works As per Sheet 'C'	10458309	7704663
Total Cost of the Estimate	55578048	39659225

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.1

Cost data for 22 KV Gantry M.S.structure/steel section for 2x5 MVA Sub strn. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(6Nos.)-496.0 kg.	MT	2.976	65475.00	194853.60
2	Beam type HA(4 Nos.)-261.0 Kg.	MT	1.044	65475.00	68355.90
				Total:	263209.50

Sheet No.2

Cost data for Earthing Work at 2x 5 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	22	293.00	6446.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	304632.00

Sheet No.3

Cost data of Structure for 33 KV CT & PT at 2x5 MVA, 33/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet
No.4

Cost data for Clamps & Connectors at 2x5 MVA, 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	T-Connector for 200 sq mm conductor(Compression type)	Nos.	60	3855.00	231300.00
2	Clamps for 33 KV Isolator	Nos.	42	1141.00	47922.00
3	Connectors for T/F Bushing	Nos.	12	4350.00	52200.00
4	Clamps for 33 KV C.T.	Nos.	12	1668.00	20016.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	12	2415.00	28980.00
7	Wedge Connectors			#N/A	
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
				Total:	520332.00

Sheet No.5

Cost data for Yard Lighting of 2X 5 MVA, 33/11 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cum	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	178380.00

Sheet No.6

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 2x 5 MVA, 33/11 S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	G.I.Channel 100x50x6mm	Kg.	290	95.00	27550.00
2	G.I.Channel 75x40x6mm	Kg.	15	95.00	1425.00
3	G.I Flat 75x10 mm	Kg.	20	90.00	1800.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
7	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
9	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt.	10	453.00	4530.00
10	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	50	275.00	13750.00
11	Earthing Sets H.T	Nos.	3	462.00	1386.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	Coal	Kg.	200	17.00	3400.00
14	Salt	Kg.	200	12.00	2400.00
15	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
16	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
17	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	270516.40

Sheet No.7

Cost data for Control cable 2 X 5 MVA, 33/11KV S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A) GIS	83221.00
2	Control room (As per table B) GIS	4190801.40
3	Store room of size 8.0m X 6.0 m (As per table C) GIS	0.00
4	Sanitary Water supply	0.00
5	Electrification (Lumsum)	142595.24
6	WBM Road (As per table D) GIS	112523.00
7	Chain link fencing and Barbed wire fencing (As per table E) GIS	446946.00
8	Metal Spreading (As per table F) GIS	75288.00
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.80
10	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.80
11	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Hybrid / Indoor / GIS	0.00
12	Water Supply arrangement for C/Room and Switch Yard.(As per table H) GIS	69772.00
13	Borewell including pumpset and allied accessories. (As per table I) GIS	114769.15
14	Const.of cable trench with covers in S/Yard. (As per table J) GIS	235004.90
15	Construction of retaining wall. (As per table K) GIS	786467.00
16	Rain Water Harvesting (As per Table L) Indoor	83020.30
17	Culvert (As per Table N) Indoor if required	197715.00
	Total=	7704662.59

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 7013

GIS 22/11 KV 1 x 10 MVA (for cities Amravati, Nagpur, Pune, Bhandup, Kalyan & Nashik)

Cost data for 22/11 KV, 1X 10 MVA GIS S/s

Sr. No.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33/22 kV Switchgear part				
1	Power Transformer 22/11 KV, 10 MVA (DY-11)	No	1	8382929.00	8382929.00
2	33 KV Indoor GIS Switchgear (I/C) 1250A	No.	2	1669800.00	3339600.00
3	33 KV Indoor GIS Switchgear (O/G TF) 1250A	No.	1	1669800.00	1669800.00
4	33 KV GIS Bus bar with Buscoupler and Bus riser 1250 A	No.	1	2102711.00	2102711.00
5	XLPE Cable 22 KV, 3 C / 300 mm sq.	Mtr.	200	1971.00	394200.00
6	22 kv Silicon coated touchproof Indoor termination joint (AI) kit for XLPE 3 C X 300 sqmm	No.	8	16978.00	135824.00
7	22 KV Isolators with EB (800 A)	Set	2	52349.00	104698.00
8	22 KV Lightning Arrestors (Station type)	Set	4	13866.00	55464.00
9	22 KV Post Insulator	Nos	6	498.00	2988.00
10	Gantry Structure/Steel section for 22 KV Bus as per Sheet No.1	Nos	1	263209.50	263209.50
B	11 kV Switchgear part				
11	11 KV Indoor GIS Switchgear (I/C) 800 A	No	1	1113200.00	1113200.00
12	11 KV Indoor GIS Switchgear (O/G) 400A	No.	4	1051355.00	4205420.00
	11 KV GIS Bus bar with Buscoupler and Bus riser 800 A	No	0	1442100.00	0.00
13	XLPE Cable 11 KV, 3 C / 300 mm sq.	Mtr.	2000	1498.00	2996000.00
14	11 kv heat shrinkable Indoor termination joint kit for 3 C X 300 sqmm	No.	48	1728.00	82944.00
15	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
16	Earthing complete as per Sheet no.2	Set	2	304632.00	609264.00
17	Take off structure for 3 outgoing feeder as per Sheet no.4	No.	2	440937.00	881874.00
18	11 kV Pin Insulators with G.I. Pins	No.	24	120.00	2880.00
19	Clamps and Connectors as per Sheet no.5	No.	1	216471.00	216471.00
20	L.As. 11 KV (Gapless type) with disconnector	Set	2	1531.00	3062.00
21	S/S Yard lighting as per Sheet no.7	No.	1	178380.00	178380.00
22	Control cables for S/S as per Sheet no.9	No.	1	241283.00	241283.00
23	11/0.43 KV x 100 KVA station Transformer as per Sheet no.8	No.	1	274033.40	274033.40
	Cost of material				27339034.90

1	Erection cost on material	5.00%	1366952
2	Contractor supervision charges on material	5.00%	1366952
	Sub-Total		30072938
3	Contractor's Profit	5.00%	1503647
	Sub-Total		31576585
4	Transportation on material	4.00%	1093561
5	T&P on material cost	1.00%	273390
6	Contingencies on material	2.00%	546781
	Service Cost		67800807
	Sub-Total		33490318
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	66981
	Sub-Total		33557298
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	62081
9	Insurance	1.00%	335573
10	Turnkey Charges	0.00%	0
	Total		33954952
9	Civil Works As per Sheet 'C'	No.	1
	Total Cost of Estimate		7292753
			41247705

Particulars	DPR Amount	Tender/ Estimate Amount
		75.37%
Cost with overheads on Material	47944466	33955081
Civil Works As per Sheet 'C'	9899183	7292753
Total Cost of the Estimate	57843648	41247834

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.

1

Cost data for 22 KV Gantry M.S.Structure/Steel Section for 2x 10 MVA, 22/11 kv S/S (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(6Nos.)-496.0 kg.	MT	2.976	65475.00	194853.60
2	Beam type HA(4 Nos.)-261.0 Kg.	MT	1.044	65475.00	68355.90
Total:					263209.50

Sheet No.2

Cost data for Earthing Work at 2x 10 MVA at 22/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	22	293.00	6446.00
6	Sundries	L.S.	1	886.00	886.00
Total:					304632.00

Sheet No.3

Cost data of Structure for 22 KV CT & PT at 2x 10 MVA, 22/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 22 KV PT	Kg.	315	70.00	22050.00
2	Structure for 22 KV CT	Kg.	360	70.00	25200.00
3	Structure for 22 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
Total:					64960.00

Sheet No :

4

Cost data for Take off structure for 11 KV Feeders 3 outlets at 2x5 MVA 22/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	8	12493.00	99944.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Strain Hardware for 0.2 ACSR	Nos.	36	700.00	25200.00
7	Strain Hardware for Dog 0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 232 mm ²	Rmt.	150	162.00	24300.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	PANTHER TO PANTHER or equivalent AAAC	Nos.	18	826.00	14868.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	18	3855.00	69390.00
16	Miscellaneous material	LS	1	518.00	518.00
Total:					440937.00

Sheet No.
5

Cost data for Clamps & Connectors at 2x10 MVA 22/11 kv sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	PANTHER TO PANTHER or equivalent AAAC	Nos.	30	826.00	24780.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 22 KV Isolator	Nos.	18	1173.00	21114.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 22 KV C.T.	Nos.	6	1639.00	9834.00
5	Clamps for 22 KV P.T.	Nos.	3	1639.00	4917.00
6	Clamp for 22 KV VCB	Nos.	6	2346.00	14076.00
				Total:	216471.00

Sheet No.7

Cost data for Yard Lighting of 2X10 MVA, 22/11 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cum	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	178380.00

Sheet No.8

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 2x10 MVA 22/11 S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
7	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
8	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
9	11 kv Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
10	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt.	10	453.00	4530.00
11	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	50	275.00	13750.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	274033.40

Sheet No.9

Cost data Control cable 2 X10 MVA 22/11KV S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A) GIS	83221.00
2	Control room (As per table B) GIS	4190801.40
3	Store room of size 8.0m X 6.0 m (As per table C) GIS	0.00
4	Sanitary Water supply	0.00
5	Electrification (Lumsum)	142595.24
6	WBM Road (As per table D) GIS	112523.00
7	Chain link fencing and Barbed wire fencing (As per table E) GIS	446946.00
8	Metal Spreading (As per table F) GIS	75288.00
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.80
10	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	0.00
11	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Hybrid / Indoor / GIS	0.00
12	Water Supply arrangement for C/Room and Switch Yard.(As per table H) GIS	69772.00
13	Borewell including pumpset and allied accessories. (As per table I) GIS	114769.15
14	Const.of cable trench with covers in S/Yard. (As per table J) GIS	235004.90
15	Construction of retaining wall. (As per table K) GIS	786467.00
16	Rain Water Harvesting (As per Table L) Indoor	83020.30
17	Culvert (As per Table N) Indoor if required	197715.00
	Civil Works for NFIPS System	171360.00
	Total=	7292752.79

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 7014

GIS 22/11 KV 1 x 10 MVA (other cities)

Cost data for 22/11 KV, 1X 10 MVA GIS S/s

Sr. No.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33/22 kV Switchgear part				
1	Power Transformer 22/11 KV, 10 MVA (DY-11)	No	1	8382929.00	8382929.00
2	33 KV Indoor GIS Switchgear (I/C) 1250A	No.	1	1669800.00	1669800.00
3	33 KV Indoor GIS Switchgear (O/G TF) 1250A	No.	1	1669800.00	1669800.00
4	XLPE Cable 22 KV, 3 C / 300 mm sq.	Mtr.	200	1971.00	394200.00
5	22 KV Silicon coated touchproof Indoor termination joint (AJ) kit for XLPE 3 C X 300 sqmm	No.	8	16978.00	135824.00
6	22 KV Isolators with EB (800 A)	Set	2	52349.00	104698.00
7	22 KV Lightning Arrestors (Station type)	Set	4	13866.00	55464.00
8	22 KV Post Insulator	Nos	6	498.00	2988.00
9	Gantry Structure/Steel section for 22 KV Bus as per Sheet No.1	Nos	1	263209.50	263209.50
B	11 kV Switchgear part				
10	11KV I D switchgear (1 I/c+1 B/c+4O/G)	No	1	2154320.00	2154320.00
11	XLPE Cable 11 KV, 3 C / 300 mm sq.	No.	300	1498.00	449400.00
12	11 kV heat shrinkable Indoor termination joint kit for 3 C X 300 sqmm	No	4	1728.00	6912.00
13	Clamps and Connectors as per Sheet no.4	Mtr.	1	449196.00	449196.00
14	S/S Yard lighting as per Sheet no.5	No.	1	172312.00	172312.00
15	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
16	11/0.43 KV x 100 KVA station Transformer as per Sheet no.6	Set	1	270516.40	270516.40
17	Control cables for S/S as per Sheet no.7	No.	1	119963.00	119963.00
18	AC Distribution Board 'B' type	No.	1	24325.00	24325.00
	Cost of material				16408656.90

1	Erection cost on material	5.00%	820433
2	Contractor supervision charges on material	5.00%	820433
	Sub-Total		18049523
3	Contractor's Profit	5.00%	902476
	Sub-Total		18951999
4	Transportation on material	4.00%	656346
5	T&P on material cost	1.00%	164087
6	Contingencies on material	2.00%	328173
	Service Cost		40693469
	Sub-Total		20100605
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	40201
	Sub-Total		20140806
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	37260
9	Insurance	1.00%	201408
10	Turnkey Charges	0.00%	0
	Total		20379474
9	Civil Works As per Sheet 'C'	No.	1
	Total Cost of Estimate		7292753
			27672227

Particulars	DPR Amount	Tender/ Estimate Amount
	Cost with overheads on Material	28775862
Civil Works As per Sheet 'C'	9899183	7292753
Total Cost of the Estimate	38675044	27672305

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.

1

Cost data for 22 KV Gantry M.S.Structure/Steel Section for 2x 10 MVA, 22/11 kv S/S (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(6Nos.)-496.0 kg.	MT	2.976	65475.00	194853.60
2	Beam type HA(4 Nos.)-261.0 Kg.	MT	1.044	65475.00	68355.90
Total:					263209.50

Sheet No.2

Cost data for Earthing Work at 1x 5 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	G.I.Flat 50 x 6 mm	Kg.	1500	90.00	135000.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	22	293.00	6446.00
6	Sundries such as N/B, Washers, Welding etc.	L.S.	1	3163.00	3163.00
Total:					344409.00

Sheet No.3

Cost data of Structure for 33 KV CT & PT at 1x5 MVA, 33/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
Total:					64960.00

Sheet

No.4

Cost data for Clamps & Connectors at 1x5 MVA, 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	T-Connector for 200 sq mm conductor(Compression type)	Nos.	60	3855.00	231300.00
2	Clamps for 33 KV Isolator	Nos.	24	1141.00	27384.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 33 KV C.T.	Nos.	6	1668.00	10008.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	6	2415.00	14490.00
7	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
Total:					449196.00

Sheet No.5

Cost data for Yard Lighting of 1X 5 MVA, 33/11 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	7	4328.00	30296.00
6	Red Bricks	No.	1000	8.00	8000.00
7	Sand	Cum	6	280.00	1680.00
8	Sundries	L.S.	-	886.00	886.00
Total:					172312.00

Sheet No.6

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 1x 5 MVA, 33/11 S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	G.I.Channel 100x50x6mm	Kg.	290	95.00	27550.00
2	G.I.Channel 75x40x6mm	Kg.	15	95.00	1425.00
3	G.I Flat 75x10 mm	Kg.	20	90.00	1800.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
7	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
8	11 kv Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
9	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt.	10	453.00	4530.00
10	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	50	275.00	13750.00
11	Earthing Sets H.T	Nos.	3	462.00	1386.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	Coal	Kg.	200	17.00	3400.00
14	Salt	Kg.	200	12.00	2400.00
15	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
16	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
17	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	270516.40

Sheet No.7

Cost data for Control cable 1 X 5 MVA, 33/11KV S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	125	474.00	59250.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	130	309.00	40170.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	55	125.00	6875.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	50	79.00	3950.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	100	92.00	9200.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	119963.00

C Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A) GIS	83221.00
2	Control room (As per table B) GIS	4190801.40
3	Store room of size 8.0m X 6.0 m (As per table C) GIS	0.00
4	Sanitary Water supply	0.00
5	Electrification (Lumsum)	142595.24
6	WBM Road (As per table D) GIS	112523.00
7	Chain link fencing and Barbed wire fencing (As per table E) GIS	446946.00
8	Metal Spreading (As per table F) GIS	75288.00
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.80
10	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	0.00
11	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Hybrid / Indoor / GIS	0.00
12	Water Supply arrangement for C/Room and Switch Yard.(As per table H) GIS	69772.00
13	Borewell including pumpset and allied accessories. (As per table I) GIS	114769.15
14	Const.of cable trench with covers in S/Yard. (As per table J) GIS	235004.90
15	Construction of retaining wall. (As per table K) GIS	786467.00
16	Rain Water Harvesting (As per Table L) Indoor	83020.30
17	Culvert (As per Table N) Indoor if required	197715.00
	Civil Works for NFIPS System	171360.00
		7292752.79

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 7015

GIS 22/11 KV 2 x 10 MVA (for cities Amravati, Nagpur, Pune, Bhandup, Kalyan & Nashik)

Cost data for 22/11 KV, 2X 10 MVA GIS S/s

Sr. No.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A					
33/22 kV Switchgear part					
1	Power Transformer 22/11 KV, 10 MVA (DY-11)	No	2	8382929.00	16765858.00
2	33 KV Indoor GIS Switchgear (I/C) 1250A	No.	2	1669800.00	3339600.00
3	33 KV Indoor GIS Switchgear (O/G TF) 1250A	No.	2	1669800.00	3339600.00
4	33 KV GIS Bus bar with Buscoupler and Bus riser 1250 A	No.	1	2102711.00	2102711.00
5	XLPE Cable 22 KV, 3 C / 300 mm sq.	Mtr.	200	1971.00	394200.00
6	22 kv Silicon coated touchproof Indoor termination joint (AI) kit for XLPE 3 C X 300 sqmm	No.	8	16978.00	135824.00
7	22 KV Isolators with EB (800 A)	Set	2	52349.00	104698.00
8	22 KV Lightning Arrestors (Station type)	Set	4	13866.00	55464.00
9	22 KV Post Insulator	Nos	6	498.00	2988.00
10	Gantry Structure/Steel section for 22 KV Bus as per Sheet No.1	Nos	1	263209.50	263209.50
B					
11 kV Switchgear part					
11	11 KV Indoor GIS Switchgear (I/C) 800 A	No	2	1113200.00	2226400.00
12	11 KV Indoor GIS Switchgear (O/G) 400A	No.	8	1051355.00	8410840.00
13	11 KV GIS Bus bar with Buscoupler and Bus riser 800 A	No	1	1442100.00	1442100.00
14	XLPE Cable 11 KV, 3 C / 300 mm sq.	Mtr.	2000	1498.00	2996000.00
15	11 kv heat shrinkable Indoor termination joint kit for 3 C X 300 sqmm	No.	48	1728.00	82944.00
16	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
17	Earthing complete as per Sheet no.2	Set	2	304632.00	609264.00
18	Take off structure for 3 outgoing feeder as per Sheet no.4	No.	2	440937.00	881874.00
19	11 kV Pin Insulators with G.I. Pins	No.	24	120.00	2880.00
20	Clamps and Connectors as per Sheet no.5	No.	1	216471.00	216471.00
21	L.As. 11 KV (Gapless type) with disconnector	Set	2	1531.00	3062.00
22	S/S Yard lighting as per Sheet no.7	No.	1	178380.00	178380.00
23	Control cables for S/S as per Sheet no.9	No.	1	241283.00	241283.00
24	11/0.43 KV x 100 KVA station Transformer as per Sheet no.8	No.	1	274033.40	274033.40
Cost of material					44152483.90

1	Erection cost on material	5.00%	2207624
2	Contractor supervision charges on material	5.00%	2207624
	Sub-Total		48567732
3	Contractor's Profit	5.00%	2428387
	Sub-Total		50996119
4	Transportation on material	4.00%	1766099
5	T&P on material cost	1.00%	441525
6	Contingencies on material	2.00%	883050
	Service Cost		109498160
	Sub-Total		54086793
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	108174
	Sub-Total		54194966
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	100261
9	Insurance	1.00%	541950
10	Turnkey Charges	0.00%	0
	Total		54837177
9	Civil Works As per Sheet 'C'	No.	1
	Total Cost of Estimate		8084234
			62921411

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	77430211	54837385
Civil Works As per Sheet 'C'	10973540	8084234
Total Cost of the Estimate	88403751	62921619

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.

1

Cost data for 22 KV Gantry M.S.Structure/Steel Section for 2x 10 MVA, 22/11 kv S/S (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(6Nos.)-496.0 kg.	MT	2.976	65475.00	194853.60
2	Beam type HA(4 Nos.)-261.0 Kg.	MT	1.044	65475.00	68355.90
Total:					263209.50

Sheet No.2

Cost data for Earthing Work at 2x 10 MVA at 22/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	22	293.00	6446.00
6	Sundries	L.S.	1	886.00	886.00
Total:					304632.00

Sheet No.3

Cost data of Structure for 22 KV CT & PT at 2x 10 MVA, 22/11 KV S/Stn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 22 KV PT	Kg.	315	70.00	22050.00
2	Structure for 22 KV CT	Kg.	360	70.00	25200.00
3	Structure for 22 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
Total:					64960.00

Sheet No :

4

Cost data for Take off structure for 11 KV Feeders 3 outlets at 2x5 MVA 22/11 KV Sub Stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	RSJ 116x100, 9 m long	Nos.	8	12493.00	99944.00
2	MS Channel 100x50x6 mm	Kg.	1610	70.00	112700.00
3	MS angle 50x50x6 mm	Kg.	100	70.00	7000.00
4	MS Flat 75x10 mm	Kg.	80	65.00	5200.00
5	11KV A.B. Switch, 400 A	Nos.	3	11642.00	34926.00
6	Strain Hardware for 0.2 ACSR	Nos.	36	700.00	25200.00
7	Strain Hardware for Dog 0.1 or Equ.AAAC.	Nos.	36	370.00	13320.00
8	11 kV Pin Insulators with G.I. Pins	Nos.	9	120.00	1080.00
9	Earthing Sets H.T	Sets	3	462.00	1386.00
10	L.As. 11 KV (Gapless type) with disconnector	Sets	3	1531.00	4593.00
11	AAAC 232 mm ²	Rmt.	150	162.00	24300.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	G.I.Nut Bolts	Kg.	50	112.00	5600.00
14	Concreting ration 1:3:6	Cmt.	4	4328.00	17312.00
15	Wedge Connectors				
a)	PANTHER TO PANTHER or equivalent AAAC	Nos.	18	826.00	14868.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	18	3855.00	69390.00
16	Miscellaneous material	LS	1	518.00	518.00
Total:					440937.00

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.

5

Cost data for Clamps & Connectors at 2x10 MVA 22/11 kv sub stn. (Outdoor)

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Wedge Connectors				
a)	PANTHER TO PANTHER or equivalent AAAC	Nos.	30	826.00	24780.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
2	Clamps for 22 KV Isolator	Nos.	18	1173.00	21114.00
3	Connectors for T/F Bushing	Nos.	6	4350.00	26100.00
4	Clamps for 22 KV C.T.	Nos.	6	1639.00	9834.00
5	Clamps for 22 KV P.T.	Nos.	3	1639.00	4917.00
6	Clamp for 22 KV VCB	Nos.	6	2346.00	14076.00
				Total:	216471.00

Sheet No.7

Cost data for Yard Lighting of 2X10 MVA, 22/11 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cum	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	178380.00

Sheet No.8

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 2x10 MVA 22/11 S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	MS Channel 100x50x6 mm	Kg.	290	70.00	20300.00
2	M.S.Channel 75x40x6 mm	Kg.	15	70.00	1050.00
3	MS Flat 75x10 mm	Kg.	20	65.00	1300.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV A.B. Switch, 400 A	Set	1	11642.00	11642.00
7	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
8	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
9	11 kV Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
10	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt.	10	453.00	4530.00
11	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	50	275.00	13750.00
12	Earthing Sets H.T	Nos.	3	462.00	1386.00
13	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
14	Coal	Kg.	200	17.00	3400.00
15	Salt	Kg.	200	12.00	2400.00
16	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
17	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
18	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	274033.40

Sheet No.9

Cost data Control cable 2 X10 MVA 22/11KV S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A) GIS	83221.00
2	Control room (As per table B) GIS	4190801.40
3	Store room of size 8.0m X 6.0 m (As per table C) GIS	0.00
4	Sanitary Water supply	0.00
5	Electrification (Lumsum)	142595.24
6	WBM Road (As per table D) GIS	112523.00
7	Chain link fencing and Barbed wire fencing (As per table E) GIS	446946.00
8	Metal Spreading (As per table F) GIS	75288.00
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.80
10	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.80
11	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Hybrid / Indoor / GIS	36851.80
12	Water Supply arrangement for C/Room and Switch Yard.(As per table H) GIS	69772.00
13	Borewell including pumpset and allied accessories. (As per table I) GIS	114769.15
14	Const.of cable trench with covers in S/Yard. (As per table J) GIS	235004.90
15	Construction of retaining wall. (As per table K) GIS	786467.00
16	Rain Water Harvesting (As per Table L) Indoor	83020.30
17	Culvert (As per Table N) Indoor if required	197715.00
	Civil Works for NFIPS System (2 PTF)	342720.00
	Total=	8084234.39

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 7016

GIS 22/11 KV 2 x 10 MVA (other cities)

Cost data for 22/11 KV, 2X 10 MVA GIS S/s

Sr. No.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
Sr. No	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
A	33/22 kV Switchgear part				
1	Power Transformer 22/11 KV, 10 MVA (DY-11)	No	2	8382929.00	16765858.00
2	33 KV Indoor GIS Switchgear (I/C) 1250A	No.	2	1669800.00	3339600.00
3	33 KV Indoor GIS Switchgear (O/G TF) 1250A	No.	2	1669800.00	3339600.00
4	33 KV GIS Bus bar with Buscoupler and Bus riser 1250 A	Mtr.	1	2102711.00	2102711.00
5	XLPE Cable 22 KV, 3 C / 300 mm sq.	No.	200	1971.00	394200.00
6	22 kV Silicon coated touchproof Indoor termination joint (AI) kit for XLPE 3 C X 300 sqmm	Set	8	16978.00	135824.00
7	22 KV Isolators with EB (800 A)	Set	2	52349.00	104698.00
8	22 KV Lightning Arrestors (Station type)	Nos	4	13866.00	55464.00
9	22 KV Post Insulator	Nos	6	498.00	2988.00
10	Gantry Structure/Steel section for 22 KV Bus as per Sheet No.1	Nos	1	263209.50	263209.50
B	11 kV Switchgear part				
11	11KV I D switchgear (2 I/c+1 B/c+8O/G)	No	1	3943286.00	3943286.00
12	XLPE Cable 11 KV, 3 C / 300 mm sq.	No.	600	1498.00	898800.00
13	11 kV heat shrinkable Indoor termination joint kit for 3 C X 300 sqmm	No	8	1728.00	13824.00
14	Clamps and Connectors as per Sheet no.4	Mtr.	1	520332.00	520332.00
15	S/S Yard lighting as per Sheet no.5	No.	1	178380.00	178380.00
16	Battery set 30 Volt, 100 AH with Battery charger	No.	1	82800.00	82800.00
17	11/0.43 KV x 100 KVA station Transformer as per Sheet no.6	Set	1	270516.40	270516.40
18	Control cables for S/S as per Sheet no.7	No.	1	241283.00	241283.00
19	AC Distribution Board 'B' type	No.	1	24325.00	24325.00
	Cost of material				32677698.90

1	Erection cost on material	5.00%	1633885
2	Contractor supervision charges on material	5.00%	1633885
	Sub-Total		35945469
3	Contractor's Profit	5.00%	1797273
	Sub-Total		37742742
4	Transportation on material	4.00%	1307108
5	T&P on material cost	1.00%	326777
6	Contingencies on material	2.00%	653554
	Service Cost		81040693
	Sub-Total		40030181
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	80060
	Sub-Total		40110242
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	74204
9	Insurance	1.00%	401102
10	Turnkey Charges	0.00%	0
	Total		40585548
9	Civil Works As per Sheet 'C'	No.	1
	Total Cost of Estimate		8084234

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	57306881	40585702
Civil Works As per Sheet 'C'	10973540	8084234
Total Cost of the Estimate	68280420	48669936

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet No.

1

Cost data for 22 KV Gantry M.S.Structure/Steel Section for 2x 10 MVA, 22/11 kv S/S (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Column type HG(6Nos.)-496.0 kg.	MT	2.976	65475.00	194853.60
2	Beam type HA(4 Nos.)-261.0 Kg.	MT	1.044	65475.00	68355.90
				Total:	263209.50

Sheet No.2

Cost data for Earthing Work at 2x 10 MVA at 33/11 KV S/S

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	M.S.Flat 50 x 6 mm	Kg.	1500	65.00	97500.00
2	Earthing Sets H.T of C.I.pipe 150 mm 3 mtr.	No.	22	7355.00	161810.00
3	Coal	Kg.	1310	17.00	22270.00
4	Salt	Kg.	1310	12.00	15720.00
5	RCC Ring work for earthing pits	No.	22	293.00	6446.00
6	Sundries	L.S.	1	886.00	886.00
				Total:	304632.00

Sheet No.3

Cost data of Structure for 33 KV CT & PT at 2x10 MVA, 33/11 KV S/Strn.

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt.Rs.
1	Structure for 33 KV PT	Kg.	315	70.00	22050.00
2	Structure for 33 KV CT	Kg.	360	70.00	25200.00
3	Structure for 33 KV L.A.	Kg.	155	70.00	10850.00
4	Structure for Power T/F Neutral Earthing	Kg.	50	70.00	3500.00
5	G.I.Nut Bolts	Kg.	30	112.00	3360.00
				Total:	64960.00

Sheet

No.4

Cost data for Clamps & Connectors at 2x10 MVA, 33/11 KV S/S

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	T-Connector for 200 sq mm conductor(Compression type)	Nos.	60	3855.00	231300.00
2	Clamps for 33 KV Isolator	Nos.	42	1141.00	47922.00
3	Connectors for T/F Bushing	Nos.	12	4350.00	52200.00
4	Clamps for 33 KV C.T.	Nos.	12	1668.00	20016.00
5	Clamps for 33 KV P.T.	Nos.	3	1668.00	5004.00
6	Clamps for 33 KV V.C.B.	Nos.	12	2415.00	28980.00
7	Wedge Connectors				
a)	DOG TO DOG or equivalent AAAC	Nos.	30	642.00	19260.00
b)	T-Connector for 200 sq mm conductor(Compression type)	Nos.	30	3855.00	115650.00
				Total:	520332.00

Sheet No.5

Cost data for Yard Lighting of 2X 10 MVA, 33/11 KV sub station. (Outdoor)

Sr.No.	Description of Material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	LED light fittings 80 Watts	No.	14	1625.00	22750.00
2	Tubular pole 9 Mtr. Long 88.9C, 137.7 mm	No.	14	5800.00	81200.00
3	L.T. XLPE Armoured cable 4core 16sq.mm.	Mtr.	250	92.00	23000.00
4	L.T. 2 Core Cable 2.5 sqmm Armoured	Mtr.	100	45.00	4500.00
5	Concreting ration 1:3:6	Cmt	8	4328.00	34624.00
6	Red Bricks	No.	1200	8.00	9600.00
7	Sand	Cum	6.5	280.00	1820.00
8	Sundries	L.S.	-	886.00	886.00
				Total:	178380.00

Sheet No.6

Cost data for 100 KVA, 11/0.43 KV Station Transformer for 2x 10 MVA, 33/11 S/S (Outdoor).

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	G.I.Channel 100x50x6mm	Kg.	290	95.00	27550.00
2	G.I.Channel 75x40x6mm	Kg.	15	95.00	1425.00
3	G.I Flat 75x10 mm	Kg.	20	90.00	1800.00
4	Dist. Transformer 100 KVA, 11/0.43 kv	No.	1	143782.00	143782.00
5	L.T.Dist.Boxes 100 KVA with MCCB	No	1	17694.00	17694.00
6	11KV H.G.Fuses	Nos.	1	2475.00	2475.00
7	L.As. 11 KV (Gapless type) with disconnector	Set	1	1531.00	1531.00
8	11 kv Pin Insulators with G.I. Pins	Nos.	6	120.00	720.00
9	L.T.XLPE Armoured 3.5 Core cable120 sq.mm.	Rmt.	10	453.00	4530.00
10	L.T.XLPE Armoured 3.5 Core cable70 sq.mm.	Rmt.	50	275.00	13750.00
11	Earthing Sets H.T	Nos.	3	462.00	1386.00
12	G.I.Strip (25 X 3 mm)	Kg.	40	90.00	3600.00
13	Coal	Kg.	200	17.00	3400.00
14	Salt	Kg.	200	12.00	2400.00
15	Plinth for station Transformer	Cmt.	5.6	6604.00	36982.40
16	Half round cement pipe (150mm X 1mtr)	Nos.	30	157.00	4710.00
17	G.I.Nut Boltss Washer & Misc Material	L.S	1	2781.00	2781.00
				Total:	270516.40

Sheet No.7

Cost data for Control cable 2 X 10 MVA, 33/11KV S/Stn

Sr.No.	Description of material	Unit	Qty.	Rate	Amount
1	Armoured Copper control cable 19C X 2.5 Sq mm	Rmt	250	474.00	118500.00
2	Armoured Copper control cable 12C X 2.5 Sq mm	Rmt	260	309.00	80340.00
3	Armoured Copper control cable 4C X 2.5 Sq mm	Rmt	125	125.00	15625.00
4	Armoured Copper control cable 2Cx2.5 sq.mm.	Rmt	100	79.00	7900.00
5	L.T. XLPE Armoured cable 4core 16sq.mm.	RMT	200	92.00	18400.00
6	Miscellaneous material	L.S	1	518.00	518.00
				TOTAL	241283.00

C Cost data for civil works for 22/11 KV Sub Station.

Sr.No.	Particular	Amount
1	Land Development (As per table A) GIS	83221.00
2	Control room (As per table B) GIS	4190801.40
3	Store room of size 8.0m X 6.0 m (As per table C) GIS	0.00
4	Sanitary Water supply	0.00
5	Electrification (Lumsum)	142595.24
6	WBM Road (As per table D) GIS	112523.00
7	Chain link fencing and Barbed wire fencing (As per table E) GIS	446946.00
8	Metal Spreading (As per table F) GIS	75288.00
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.80
10	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	583269.80
11	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Hybrid / Indoor / GIS	36851.80
12	Water Supply arrangement for C/Room and Switch Yard.(As per table H) GIS	69772.00
13	Borewell including pumpset and allied accessories. (As per table I) GIS	114769.15
14	Const.of cable trench with covers in S/Yard. (As per table J) GIS	235004.90
15	Construction of retaining wall. (As per table K) GIS	786467.00
16	Rain Water Harvesting (As per Table L) Indoor	83020.30
17	Culvert (As per Table N) Indoor if required	197715.00
	Civil Works for NFIPS System (2 PTF)	342720.00
	Total=	8084234.39

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1230					
COST DATA FOR 11 kV SPECIAL DESIGNED TRANSFORMER					
S.N.	Description of material	Unit	Qty.	Rate	Amt. Rs.
1	11kV Specially Designed Transformer with all accessories, Control cable, Relays, Contactors, Indicators etc.	Set	1	190000.00	190000
2	11 KV CT for SDT	No	1	0.00	0.00
3	11kV Gang operated Three pole double throw change over switch	Set	1	16884.00	16884
4	11kV DP structure with L.A. as per sheet 'A'	No	1	63468.00	63468.00
5	Permanent earthing system by use of Pipe in pipe arrangement, with earthing materials Bentonite clay, salt, coal etc	No	2	7598.00	15196
6	GI Pipe 20 mm	rmt	15	95.00	1425.00
7	16 mm 2 Single core multistrand copper Armored cable.	rmt	15	162.00	2430.00
8	CT Box SMC Type Meter Box (Hinge Type) Size: 400X300X190 mm	No.	1	793.00	793.00
9	Relay Box MS fabricated with powder coating suitable for outdoor installation of Relay.	No.	1	1164.00	1164.00
10	1" PVC pipe for laying control cable	rmt	25	90.00	2250.00
	Cost of Material				293610.00

1	Erection cost on material	5.00%	14681
2	Contractor supervision charges on material	5.00%	14681
	Sub-Total		322971
3	Contractor's Profit	5.00%	16149
	Sub-Total		339120
4	Transportation on material	4.00%	11744
5	T&P on material cost	1.00%	2936
6	Contingencies on material	2.00%	5872
	Service Cost		728153
	Sub-Total		359672
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	719
	Sub-Total		360392
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	1.00%	3604
9	Insurance	1.00%	3604
10	Turnkey Charges	0.00%	0
	Total		367599

Particulars	DPR Amount	Tender/ Estimate Amount
		75.37%
Cost with overheads on Material	514904	364664
Total Cost of the Estimate	514904	364664

SHEET A DOUPLE POLE STRUCTURE FOR SPECIAL DESIGN TRANSFORMER

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	RSJ 116x100, 9 m long	No.	2	12493.00	24986.00
2	M.S. Flats(50 X 10mm)	Kg.	12	65.00	780.00
3	M.S.Flat 50 x 6 mm	Kg.	10	65.00	650.00
4	MS Channel 100x50x6 mm	Kg.	100	70.00	7000.00
5	M.S.Channel 75x40x6 mm	Kg.	42	70.00	2940.00
6	MS angle 50x50x6 mm	Kg.	30	70.00	2100.00
7	11 kV Pin Insulators with G.I. Pins	No.	3	120.00	360.00
8	Strain Hardware for 55 Sq.mm AAAC	Set	6	175.00	1050.00
9	Disc Insulator 11 KV 70 KN	No.	6	326.00	1956.00
10	H.T.Stay Set	No.	4	807.00	3228.00
11	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	24	72.00	1728.00
12	Earthing Sets H.T	No	3	462.00	1386.00
13	G.I.Wire 8 SWG/ 6 SWG	kg.	5	72.00	360.00
14	L.As. 11 KV (Gapless type) with disconnector	No.	2	1531.00	3062.00
15	Danger Board in yard.	No.	2	87.00	174.00
16	Concreting ration 1:3:6	Cmt.	2.5	4328.00	10820.00
17	Sundries, such as Nut-Bolts, wedge connectos, Washers, Jumper & Minor fabrication., painting, earthing materials	L.S.	1	888.00	888.00
	Sub-Total A				63468.00

Item code No. 0819 R					
22kV SPCP With 2no pin type line on RSJ 9 M POLE					
S.N.	Description of material	Unit	Qty.	RT/U.Rs.	Amt Rs.
1	RSJ 116x100, 9 m long	No.	3	12493.00	37479.00
2	M.S.Channel 75x40x6 mm	Kg.	40	70.00	2800.00
3	MS angle 50x50x6 mm	Kg.	25	70.00	1750.00
4	M.S. Flats(50 X 10mm)	Kg.	2	65.00	130.00
5	22 KV V cross arm with clamp	No.	2	1223.00	2446.00
6	22 KV Top fitting	No.	2	516.00	1032.00
7	G.I.Nut Bolts	Kg.	15	112.00	1680.00
8	22 kv Pin Insulators with G.I. Pins	No.	6	406.00	2436.00
4	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	6	370.00	2220.00
5	Disc Insulator 11 KV 70 KN	No.	12	326.00	3912.00
6	H.T.Stay Set	No.	4	807.00	3228.00
7	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	26	72.00	1872.00
8	Earthing Sets H.T	No.	3	462.00	1386.00
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.	3	87.00	261.00
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	886.00	886.00

Cost of material

70835.00

1	Erection cost on material	15.00%	10625
2	Contractor supervision charges on material	5.00%	3542
	Sub-Total		85002
3	Contractor's Profit	5.00%	4250
	Sub-Total		89252
4	Transportation on material	4.00%	2833
5	T&P on material cost	1.00%	708
6	Contingencies on material	2.00%	1417
	Service Cost		197630
	Sub-Total		94211
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	188
	Sub-Total		94399
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	236
9	Insurance	1.00%	944
10	Turnkey Charges	0.00%	0
	Total		95579

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	134544	95578
Total Cost of the Estimate	134544	95578

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0815 R

22 kV Single Circuit Express/Highway Crossing with 100 sqmm AAAC line on 152X152MM, 13 mtr RSJ Poles

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	RSJ 152x152, 13 m long	No.	4	29109.00	116436.00
2	M.S.Channel 75x40x6 mm	Kg.	160	70.00	11200.00
3	MS angle 50x50x6 mm	kg.	22	70.00	1540.00
4	M.S.Flat 50 x 6 mm	kg.	24	65.00	1560.00
5	AAAC 100 mm ²	m	100	70.00	7000.00
6	22 kV Pin Insulators with G.I. Pins	NO.	6	406.00	2436.00
7	Disc Insulator 11 KV 45 KN	NO.	24	295.00	7080.00
8	Strain Hardware for Dog0.1 or Equ.AAAC.	No.	12	370.00	4440.00
9	H.T.Stay Set	No	4	807.00	3228.00
10	G.I.Stay Wire 7/4mm(8 SWG)	kg.	25	72.00	1800.00
11	Earthing Sets H.T	No.	4	462.00	1848.00
12	Danger Board in yard.	No.	4	87.00	348.00
13	G.I.Wire 8 SWG/ 6 SWG	Kg.	25	72.00	1800.00
14	G.I.Barbed Wire 'A' type.	kg.	30	80.00	2400.00
15	Concreting ration 1:3:6	CMT.	4	4328.00	17312.00
16	Black Bituminous Paint	Ltr.	2	150.00	300.00
17	Red Oxide Paint for 2 coats	Ltr.	6	124.00	744.00
18	Aluminium Paint for 1 coat	Ltr.	4	260.00	1040.00
19	Sundries	L.S.	1	886.00	886.00
20	Wedge connectors			0.00	
a)	DOG TO DOG or equivalent AAAC	No	12	642.00	7704.00

Cost of material

191102.00

1	Erection cost on material	15.00%	28665
2	Contractor supervision charges on material	5.00%	9555
	Sub-Total		229322
3	Contractor's Profit	5.00%	11466
	Sub-Total		240789
4	Transportation on material	4.00%	7644
5	T&P on material cost	1.00%	1911
6	Contingencies on material	2.00%	3822
	Service Cost		533175
	Sub-Total		254166
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	508
	Sub-Total		254674
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	637
9	Insurance	1.00%	2547
10	Turnkey Charges	0.00%	0
	Total		257857

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	362979	257854
Total Cost of the Estimate	362979	257854

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 0813R

Cost Data for laying of 1 Km. 22 KV 3 C 300 Sqmm XLPE under ground Cable

Sr.No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount
1	XLPE Cable 22 KV, 3 C / 300 mm sq.	Rmt	100	1971.00	197100
2	R.C.C. Pipe 150 mm 2 M	No	40	629.00	25160
3	Half round cement pipe (150mm X 1mtr)	No.	700	157.00	109900
4	22 kV Heat shrik Straight through joint (Al) kit for XLPE 3 C X 300 sqmm	No.	1	15584.00	15584
5	22 kV Heat shrik Outdoor termination joint (Al) kit for XLPE 3 C X 300 sqmm	No.	4	14264.00	57056
6	Sand	Cmt	200	280.00	56000
7	Misc. for XLPE U/G Cable	LS	1	1150.00	1150
	Cost of material				461950

1	Erection cost on material	15.00%	69293
2	Contractor supervision charges on material	5.00%	23098
	Sub-Total		554340
3	Contractor's Profit	5.00%	27717
	Sub-Total		582057
4	Transportation on material	4.00%	18478
5	T&P on material cost	1.00%	4620
6	Contingencies on material	2.00%	9239
	Service Cost		1288841
	Sub-Total		614394
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	1229
	Sub-Total		615622
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	1539
9	Insurance	1.00%	6156
10	Turnkey Charges	0.00%	0
	Total		623318

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	877428	623309
Total Cost of the Estimate	877428	623309

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Item Code No. 1018

2) 22 KV SPECIAL DESIGNED TRANSFORMER TO AG. FEEDER

S.N.	Description of material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	22kV Specially Designed Transformer with all accessories, control cables, Relays, Contactors, Indicators etc.	Set	1	225300.00	225300
2	22 kV CT for SDT	No	1	31372.00	31372.00
3	22kV Gang operated Three pole double throw change over switch	Set	1	8562.00	8562
4	22kV DP structure with L.A. as per sheet 'A'	No	1	68726.00	68726.00
5	Permanent earthing system by use of Pipe in pipe arrangement, with earthing materials Bentonite clay, salt, coal etc	No	2	7598.00	15196
6	GI Pipe 20 mm	No	15	95.00	1425.00
7	16 mm 2 Single core multistrand copper Armored cable.	rmt	15	162.00	2430.00
8	CT Box SMC Type Meter Box (Hinge Type) Size: 400X300X190 mm	No	1	793.00	793.00
9	Relay Box MS fabricated with powder coating suitable for outdoor installation of Relay.	No.	1	1164.00	1164.00
10	1" PVC pipe for laying control cable	rmt	25	90.00	2250.00
	Cost of Material				357218.00

1	Erection cost on material	5.00%	17861
2	Contractor supervision charges on material	5.00%	17861
	Sub-Total		392940
3	Contractor's Profit	5.00%	19647
	Sub-Total		412587
4	Transportation on material	4.00%	14289
5	T&P on material cost	1.00%	3572
6	Contingencies on material	2.00%	7144
	Service Cost		885901
	Sub-Total		437592
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	875
	Sub-Total		438467
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour ccess)	0.19%	811
9	Insurance	1.00%	4385
10	Turnkey Charges	0.00%	0
	Total		443663

Particulars	DPR Amount	Tender/ Estimate Amount
		75.37%
Cost with overheads on Material	626453	443665
Total Cost of the Estimate	626453	443665

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

SHEET A DOUPLE POLE STRUCTURE FOR SPECIAL DESIGN TRANSFORMER

S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	RSJ 116x100, 9 m long	No.	2	12493.00	24986.00
2	M.S. Flats(50 X 10mm)	Kg.	12	65.00	780.00
3	M.S.Flat 50 x 6 mm	Kg.	10	65.00	650.00
4	MS Channel 100x50x6 mm	Kg.	100	70.00	7000.00
5	M.S.Channel 75x40x6 mm	Kg.	42	70.00	2940.00
6	MS angle 50x50x6 mm	Kg.	30	70.00	2100.00
7	22 kV Pin Insulators with G.I. Pins	No.	3	406.00	1218.00
8	Strain Hardware for 55 Sq.mm AAAC	No.	6	175.00	1050.00
9	Disc Insulator 11 KV 70 KN	No.	12	326.00	3912.00
10	H.T.Stay Set	No.	4	807.00	3228.00
11	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	24	72.00	1728.00
12	Earthing Sets H.T	No	3	462.00	1386.00
13	G.I.Wire 8 SWG/ 6 SWG	kg.	5	72.00	360.00
14	L.A.s 22KV (Gapless type) with disconnecter	No.	2	2753.00	5506.00
15	Danger Board in yard.	No.	2	87.00	174.00
16	Concreting ration 1:3:6	Cmt.	2.5	4328.00	10820.00
16	Sundries, such as Nut-Bolts, wedge connectos, Washers, Jumper & Minor fabrication., painting, earthing materials	L.S.	1	888.00	888.00
Sub-Total A					68726.00

10MVA NIFPS (Make -CTR)

S.N.	Description of material	Unit	Qty.	RT/U Rs.	Amt. Rs.
1	Supply of system equipments with FS Cable 40Mtrs along with Control box and required Fire detectors. Nomenclature :PNTM 10 B8.5	SETS	1	981000	981000.00
2	FRLS cable of size 12Cx1.5 mm2 for connecting signal box mounted on transformer to control box in the station control room.	Mtrs	200	420	84000.00
3	FRLS cable of size 4CX1.5mm sq for interconnection of AC supply and connection in relay panel	Mtrs	100	200	20000.00
4	Oil drainpipe connection between outlet valve provided on transformer tank and flange provided on top of FE cubicle.	Mtrs	1	65000	65000.00
5	Oil drainpipe connection between oil drainpipe bottom (in FE cubicle) to the oil pit.	Mtrs	1	32500	32500.00
6	Nitrogen injection pipe connection between inlet openings on transformer tank and flange provided on top of FE cubicle.	Mtrs	1	27100	27100.00
7	MS tank	Nrs	1	35200	35200.00
9	Spare Nitrogen Cylinder	Nrs	1	36300	36300.00
10	Heat Sensor for Fire detectors	Nrs	3	4300	12900.00
11	Set of Hose Pipes	Nrs	1	6000	6000.00
		Material Total			1300000.00

CIVIL Works					
2	Civil work for Pit	SETS	1	120960.00	120960.00
3	Civil work for NIFPS Plinth	SETS	1	50400.00	50400.00
		Services Total			171360.00

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	2279810	1614600
Civil	233050	171360
Total Cost of the Estimate	2512860	1785960

Item Code No. 7017					
GIS 22 KV SWITCHING STATION					
Cost data for 22 KV Switching Station (GIS)					
22 Kv Switching Station (GIS)					
S.N.	Description of Material	Unit	QTY	RT/U.Rs.	Amt Rs.
1	33 KV GIS Switchgear 2 I/C + 8 O/G with 22 KV PTs	No.	10	1669800	16698000
2	33 KV GIS Bus Coupler Switchgear	No.	1	2102711	2102711
3	Switching station Earthing (As per sheet A)	No.	1	97132.5	97132.5
4	Battery set 30V, 100 AH with Battery Charger	No.	1	82800	82800
5	AC Distribution Board B type	No.	1	24325	24325
6	22KV Isolator with EB(800A)	Set	2	52349	104698
7	Sundries	LS	1	886	886
8	LT station supply for switching station(as per sheet B)	LS	1	556182	556182
9	Lighting Arrangememnt(as per sheet C)	LS	1	176938	176938
10	Control Cable(as per sheet D)	LS	1	269163	269163
Cost of material					20112835.50

1	Erection cost on material	5.00%	1005642
2	Contractor supervision charges on material	5.00%	1005642
	Sub-Total		22124119
3	Contractor's Profit	5.00%	1106206
	Sub-Total		23230325
4	Transportation on material	4.00%	804513
5	T&P on material cost	1.00%	201128
6	Contingencies on material	2.00%	402257
	Service Cost		49879832
	Sub-Total		24638223
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	49276
	Sub-Total		24687500
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour ccess)	0.19%	45672
9	Insurance	1.00%	246875
10	Turnkey Charges	0.00%	0
	Total		24980047
	Civil Works As per Sheet 'C'	No. 1	7103325
	Total Cost of Estimate		32083372

Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	35271880	24980142
Civil Works As per Sheet 'C'	9642054	7103325
Total Cost of the Estimate	44913933	32083467

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Cost Data 2024-25

Sheet A					
A	Earthing to Switch Gear Panels				
1	Earthing HDG Flat 50 X 6 mm	Kg.	400	90	36000
2	C.I. Plates 2' X 2'	No.	5	333	1665
3	C.I. Pipes 4" dia 3 Metre Long	No.	5	9761	48805
4	Bentonite clay	Kg.	500	15	7500
5	Sundries e.g:Ferrules,glands,lugs,etc	LS	1	3162.5	3162.5
	Total 'A'				97132.5
Sheet B					
B	LT station supply for switching station				
1	22/0.433kv, 100kva station transformer	No	1	278273	278273
2	RSJ 116x100, 11 m long	No	2	15270	30540
3	G.I.Channel 100x50x6mm	Kg	100	95	9500
4	G.I.Channel 75x40x6mm	Kg	44	95	4180
5	G.I.Angle 50x50x6mm	Kg	22	95	2090
6	G.I Flat 50x10 mm	Kg	24	90	2160
7	22 kV Pin Insulators with G.I. Pins	No	3	406	1218
8	L.A.s 22KV (Gapless type) with disconnecter	Set	1	2753	2753
9	H.T.Stay Set	Set	4	807	3228
10	Earthing Sets H.T	Set	5	462	2310
11	22KV H.G.Fuses	Set	1	5628	5628
12	22KV A.B.Switch	Set	1	18203	18203
13	Danger Board in yard.	No	2	87	174
14	Painting/Hardware & support with numbering of pole	LS	1	259	259
15	DTC Metring with Box, single core L.T. XLPE cable (70 sq.mm., 120 mtr length) and other allied material.	No	1	19199	19199
16	Concreting ration 1:3:6	CMT.	2	4328	8656
17	Sundries	LS	1	886	886
18	22 kv 3C 95 sqmm XLPE Cable Aluminium	Mtr	100	1165	116500
19	Heat shrinkable Termination joint kit for 22kv 3C 95 sqmm XLPE Cable (indoor)	No	2	9384	18768
20	LT Feeder Pillar 4 way	No	1	31657	31657
	Total 'B'				556182
Sheet C					
C	Lighting Arrangement				
1	Tubular Poles 9Mtr long 88.9 C,137.7mm	No.	12	5800	69600
2	LED light fittings 80 Watts	No.	12	1625	19500
3	Foundation for Poles(concreting ratio 1:3:6)	Cmt.	9	4328	38952
4	L.T. XLPE armoured cable 3 1/2 C 35 sq.mm.	Mtr.	300	160	48000
5	Sundries	LS	1	886	886
	Total 'C'				176938
Sheet D					
Sr.No.	Control Cable				
1	19 C X 2.5 sq mm Copper Cable - Armoured	Mtr.	100	474	47400
2	12 C X 2.5 sq mm Copper Cable - Armoured	Mtr.	100	309	30900
3	4 C X 2.5 sq mm Copper Cable - Armoured	Mtr.	100	125	12500
4	2 C X 2.5 sq mm Copper Cable - Armoured	Mtr.	100	79	7900
5	Control Cable 2 X 4 sq.mm. Copper - Armoured	Mtr.	100	107	10700
6	Cable Trays 2.5 Mtr. X 6" W	No.	200	383	76600
7	G.I. Angles (50X50X6 mm) for Cable tray	No.	400	95	38000
8	Sand	Cmt.	150	280	42000
9	Sundries e.g. Ferulls, Glands, Lugs etc.	LS	1	3163	3163
	Total 'D'				269163

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

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Cost data for civil works for Indoor 22 KV Switching Station .					
Sr.No.	Particular	Amount			
1	Land Development (As per table A) Indoor	215205.50			
2	Control room (As per table B) Indoor	4184289.60			
3	Store room of size 8.0m X 6.0 m (As per table C) Indoor	0			
4	Sanitary Water supply	0			
5	Electrification (Lumsum)	142571.50			
6	WBM Road (As per table D) Indoor	328399.75			
7	Chain link fencing and Bar bed wire fencing (As per table E) Indoor	732319.00			
8	Metal Spreading (As per table F) Indoor	75340.00			
9	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	0			
10	Equipment Foundations for 1X 5 MVA or 1X10 MVA (As table G2) Hybrid / Indoor / GIS	0			
11	Fire Wall for 2 x 10 MVA Power Transformer (as per table G3) Hybrid / Indoor / GIS	0			
12	Water Supply arrangement for C/Room and Switch Yard.(As per table H) Indoor	69775.00			
13	Borewell including pumpset and allied accessories. (As per table I) Indoor	114769.15			
14	Const.of cable trench with covers in S/Yard. (As per table J) Indoor	228478.00			
15	Construction of retaining wall. (As per table K) Indoor	786586.00			
16	Rain Water Harvesting (As per Table L) Indoor	83020.30			
17	Culvert (As per Table M) Indoor	142571.50			
		7103325.302			

Item Code No.934 :- 11 KV , 55 Sq.mm. Covered Conductor					
Sr.No.	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
1	RSJ 116x100, 10 m long	No.	19	13882.00	263758.00
2	RSJ 116x100, 9 m long	No.	4	12493.00	49972.00
3	11 kv guarding channel MS 75x40	Kg.	0	70.00	0.00
4	M.S.Channel 75x40x6 mm	Kg.	134.2	70.00	9394.00
5	MS angle 50x50x6 mm	Kg.	79.2	70.00	5544.00
6	M.S. Flats(50 X 10mm)	Kg.	40.7	65.00	2645.50
7	11 KV V cross arm with clamp	No.	13	863.00	11219.00
8	11 KV Top fitting with clamp	No.	0	123.00	0.00
9	G.I.Nut Bolts	Kg.	90	112.00	10080.00
10	11 kv Pin Insulators with G. I. Pins	No.	17	120.00	2040.00
11	Disc Insulator 11 KV 70 KN	No.	6	326.00	1956.00
12	Strain Hardware for Dog0.1 or Equ.AAAC.	Set	0	175.00	0.00
13	11 kv covered conductor 55 sqmm	Rmt	3150	206	648900.00
14	Sleve Joints (tension joint)	No.	3	525	1575.00
15	H.T.Stay Set	Set	8	807.00	6456.00
16	G.I.Stay Wire 7/4mm(8 SWG)	Kg.	80	72.00	5760.00
18	G.I.Barbed Wire 'A' type.	Kg.	77	80.00	6160.00
19	Danger Board in yard.	No.	19	87.00	1653.00
20	Concreting ration 1:3:6	Cmt.	20.7	4328.00	89589.60
21	G.I.Wire 8 SWG/ 6 SWG	Kg.	130	72.00	9360.00
22	Black Bituminus Paint	Ltr.	6	150.00	900.00
23	Red Oxide Paint for 2 coats	Ltr.	22	124.00	2728.00
24	Aluminium Paint for 1 coat	Ltr.	9.9	260.00	2574.00
27	Tension Assembly (TA) for 55mm2 covered conductor(Dead end Clamp)	No	6	929	5574.00
28	Insulator Clamp/Tie (IC)	No	48	400	19200.00
29	Suspension Clamp Assembly (SC) for 55mm2 covered conductor	No	0		0.00
30	Insulation Piercing Connector for 'Bare to Covered Interconnection' for 55mm2 covered conductor (Switching from Bare conductor to insulated conductor)	No	6	500	3000.00
31	Insulation Piercing Connector for Networking/Branching/Looping (Tee	No	6	500	3000.00
32	Insulation Piercing Connector with Aluminium Bail for Earthing (Earthing of the distribution line)	No	9	500	4500.00
A	Cost of material				1167538.10

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1	Erection cost on material	15.00%	175131
2	Contractor supervision charges on material	5.00%	58377
	Sub-Total		1401046
3	Contractor's Profit	5.00%	70052
	Sub-Total		1471098
4	Transportation on material	4.00%	46702
5	T&P on material cost	1.00%	11675
6	Contingencies on material	2.00%	23351
	Service Cost		3257431
	Sub-Total		1552826
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	3106
	Sub-Total		1555931
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.25%	3890
9	Insurance	1.00%	15559
10	Turnkey Charges	0.00%	0
	Total		1575380

Particulars	DPR Amount	Tender/ Estimate Amount
	89.94%	34.930%
Cost with overheads on Material	2217622	1575359
Total Cost of the Estimate	2217622	1575359

Item Code No. 1703 APFC					
Cost Data for 11 KV Station Type 1.2 MVAR Capacitor Bank with 0.2 % Reactor for rural area (APFC)					
Sr.No.	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
1	11 KV Lightning Arrestors (Station type)	Set	1	8400.00	8400.00
2	11 KV CT 400 - 200 / 5 - 5 Outdoor	Nos.	3	14007.00	42021.00
3	12.65 kV, 1587 kVAr (11 KV, 1.2 MVAR), 3-Phase, 50 Hz, Outdoor Type, CRCA panel having 4 step as 2X198.375 KVAR+396.75 Kvar+793.5 kVAR at 12.65 KV. Bank shall be complete with Capacitor units of 66.125 kVAR for 198.375 KVAR step &132.25 KVAR for 396.75 KVAR step and 264.5 kVAR for 793.5 KVAR step at 7.3 KV, including allied material such as suitable size of Aluminum busbars epoxy insulators, HRC fuses, Vacuum contactor, series reactors, RVT, etc shall also be housed in same cubicle in the below mentioned quantity a) 11 kV, 0.2%, Aluminium Wound, Dry type Series reactors suitable for 198.375 kVAR step-6 Nos. b)11 kV, 0.2%, Aluminium Wound, Dry type Series reactors suitable for 396.75 kVAR step-3 Nos. c) 11 kV, 0.2%, Aluminium Wound, Dry type Series reactors suitable for 793.5 kVAR step-3 Nos. d) 11 kV, 1-Phase Dry, AN-Cooled RVT- 1 No. e) 11 kV/400 Amp, Indoor type Vacuum contactor- 4 Nos. f) Surge Suppressor-1 No. g)C & R Panel with Automatic Control Unit with APFC relay and Neutral Displacement	Set	1	1037300.00	1037300.00
4	11 KV Isolator with EB (400 A) with elevating structure	Set	1	34356.00	34356.00
5	11 KV Isolator without EB (400 Amp.) with elevating structure	Set	1	30599.00	30599.00
6	11 KV VCB 400 A Outdoor with CT mounting b	Set	1	131054.00	131054.00
7	Cable Support Structure, Clamps, Connectors, Earthing MS Flats 50 x 6, 3 Mtr long Earthing CI Pipe Dia 150 mm, Dog Conductor (As per Sheet A)	L.S.	1	144022.50	144022.50
8	11 KV, 3 x 185 sqmm, HT XLPE Cable	Mtr	20	1181.00	23620.00
9	Outdoor cable jointing kits	No.	2	2111.00	4222.00
10	Control Cable of various size (As per Sheet B)	LS	1	62595.00	62595.00
	Total				1518189.50

1	Erection cost on material	5.00%	75909
2	Contractor supervision charges on material	5.00%	75909
	Sub-Total		1670008
3	Contractor's Profit	5.00%	83500
	Sub-Total		1753509
4	Transportation on material	4.00%	60728
5	T&P on material cost	1.00%	15182
6	Contingencies on material	2.00%	30364
	Service Cost		3765110
	Sub-Total		1859782
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	3720
	Sub-Total		1863502
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	3447
9	Insurance	1.00%	18635
10	Turnkey Charges	0.00%	0
	Total		1885584

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Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	2047512	1885591
Civil Works	101147	74373
Total Cost of the Estimate	2148659	1959964

Sheet A Cost data of Structure for 11 KV Station Capacitor Bank

Sr. No	Description of Material	Unit	Qty	RT/U Rs.	Amt. Rs
1	Structure for 11 KV CT	Kg	155	70.00	10850.00
2	Structure for 11 KV LA	Kg	155	70.00	10850.00
3	G.I. Nut Bolts	Kg	20	112.00	2240.00
4	Cable Support Structure (2 Nos)	Kg	200	70.00	14000.00
5	MS Flat 50 X 6	Kg	235.5	65.00	15307.50
6	Earthing CI Pipe Dia 150 mm 3 Mtr long	Nos	3	9761.00	29283.00
7	Coal	Kg.	50.00	17.00	850.00
8	Salt	Kg.	50.00	12.00	600.00
9	Bentonite clay	Kg.	100.00	15.00	1500.00
10	T- Connector for 100 Sq.mm Conductor (Compression Type)	No.	3.00	843.00	2529.00
11	400 Amp, Isolator Pam 100 Sq. mm Connector With & With out	No.	15.00	1067.00	16005.00
12	VCB Connector/Clamp 100 Sq.mm	No.	6.00	1941.00	11646.00
13	CT Connector/Clamp 100 Sq.mm	No.	6.00	1668.00	10008.00
14	RCC Ring work for earthing pits	No.	3.00	293.00	879.00
15	Half round cement pipe (150mm X 1mtr)	No.	10.00	157.00	1570.00
16	Sand	Cmt	15.00	280.00	4200.00
17	P.V.C Pipe 110 MM Dia, 4 Kg	Mtr	50.00	135.00	6750.00
18	CTMB	No	1.00	755.00	755.00
19	Dog Conductor	Mtr	60	70.00	4200.00
Total:					144022.50

Sheet B Cost data of Control Cable

Sr. No	Description of Material	Unit	Qty	RT/U Rs.	Amt. Rs
1	2C X 2.5 Sq. mm Armoured, Copper	Mtr	100	79.00	7900.00
2	4C X 2.5 Sq. mm Armoured, Copper	Mtr	275	125.00	34375.00
3	7C X 2.5 Sq. mm Armoured, Copper	Mtr	40	199.00	7960.00
4	Armoured Copper control cable 12C X 2.5 Sq mm	Mtr	40	309.00	12360.00
Total:					62595.00

Sheet C Cost data of Civil

Sr. No	Description of Material	Unit	Qty	RT/U Rs.	Amt. Rs
1	Excavation & back filing	CuM	8	204.10	1632.80
2	PCC	CuM	2.5	4328.00	10820.00
3	RCC	CuM	5	6604.00	33020.00
5	Metal Spreading	CuM	10	1890.00	18900.00
6	Water Supply Arrangement (If required)	LS	1	10000.00	10000.00
Total:					74372.80

Item Code No. 1704 APFC					
Cost Data for 11 KV Station Type 2.4 MVAR Capacitor Bank with 0.2 % Reactor for rural area (APFC)					
Sr.No.	Description	Unit	Qty.	Rate/Unit Rs.	Total Cost Rs.
1	11 KV Lightning Arrestors (Station type)	Set	1	8400.00	8400.00
2	11 KV CT 400 - 200 / 5 - 5 Outdoor	Nos.	3	14007.00	42021.00
3	12.65 kV, 3174 kVAr (11 KV, 2.4 MVAR), 3-Phase, 50 Hz, Outdoor Type, CRCA panel having 6 step as 2X198.375 KVAR+2X396.75 Kvar+793.5 kVAr+1190.25 KVAR at 12.65 KV. Bank shall be complete with Capacitor units of 66.125 kVAr for 198.375 KVAR step &132.25 KVAR for 396.75 KVAR step and 264.5 kVAr for 793.5 KVAR step & 396.75 KVAR for 1190.25 KVAR step at 7.3 KV including allied material such as suitable size of Aluminum busbars epoxy insulators, HRC fuses, Vacuum contactor, series reactors, RVT, etc shall also be housed in same cubicle in the below mentioned quantity a) 11 kV, 0.2%, Aluminium Wound, Dry type Series reactors suitable for 198.375 kVAr step-6 Nos. b) 11 kV, 0.2%, Aluminium Wound, Dry type Series reactors suitable for 396.75 kVAr step-6 Nos. c)11 kV, 0.2%, Aluminium Wound, Dry type Series reactors suitable for 793.5 kVAr step-3 Nos. d)11 kV, 0.2%, Aluminium Wound, Dry type Series reactors suitable for 1190.25 kVAr step-3 Nos. e) 11 kV, 1-Phase Dry, AN-Cooled RVT- 1 No. f) 11 kV/400 Amp. Indoor type Vacuum	Set	1	1296600.00	1296600.00
4	11 KV Isolator with EB (400 A) with elevating structure	Set	1	34356.00	34356.00
5	11 KV Isolator without EB (400 Amp.) with elevating structure	Set	1	30599.00	30599.00
6	11 KV VCB 400 A Outdoor with CT mounting b	Set	1	131054.00	131054.00
7	Cable Support Structure, Clamps, Connectors, Earthing MS Flats 50 x 6, 3 Mtr long Earthing CI Pipe Dia 150 mm, Dog Conductor (As per Sheet A)	L.S.	1	144022.50	144022.50
8	11 KV, 3 x 185 sqmm, HT XLPE Cable	Mtr	20	1181.00	23620.00
9	Outdoor cable jointing kits	No.	2	2111.00	4222.00
10	Control Cable of various size (As per Sheet B)	LS	1	62595.00	62595.00
	Total				1777489.50

1	Erection cost on material	5.00%	88874
2	Contractor supervision charges on material	5.00%	88874
	Sub-Total		1955238
3	Contractor's Profit	5.00%	97762
	Sub-Total		2053000
4	Transportation on material	4.00%	71100
5	T&P on material cost	1.00%	17775
6	Contingencies on material	2.00%	35550
	Service Cost Sub-Total		4408174
			2177425
7	BG Charges on 10% of the LOA amount (on Material+centage	0.20%	4355
	Sub-Total		2181779
8	Labour Cess (1% of Centages and Civil works, civil cost includes Labour cess)	0.19%	4036
9	Insurance	1.00%	21818
10	Turnkey Charges	0.00%	0
	Total		2207634

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Particulars	DPR Amount	Tender/ Estimate Amount
	75.37%	24.200%
Cost with overheads on Material	3117183	2207642
Civil Works	101147	74373
Total Cost of the Estimate	3218330	2282015

Sheet A Cost data of Structure for 11 KV Station Capacitor Bank

Sr. No	Description of Material	Unit	Qty	RT/U Rs.	Amt. Rs
1	Structure for 11 KV CT	Kg	155	70.00	10850.00
2	Structure for 11 KV LA	Kg	155	70.00	10850.00
3	G.I. Nut Bolts	Kg	20	112.00	2240.00
4	Cable Support Structure (2 Nos)	Kg	200	70.00	14000.00
5	MS Flat 50 X 6	Kg	235.5	65.00	15307.50
6	Earthing CI Pipe Dia 150 mm 3 Mtr long	Nos	3	9761.00	29283.00
7	Coal	Kg.	50.00	17.00	850.00
8	Salt	Kg.	50.00	12.00	600.00
9	Bentonite clay	Kg.	100.00	15.00	1500.00
10	T- Connector for 100 Sq.mm Conductor (Compression Type)	No.	3.00	843.00	2529.00
11	400 Amp, Isolator Pam 100 Sq. mm Connector With & With out	No.	15.00	1067.00	16005.00
12	VCB Connector/Clamp 100 Sq.mm	No.	6.00	1941.00	11646.00
13	CT Connector/Clamp 100 Sq.mm	No.	6.00	1668.00	10008.00
14	RCC Ring work for earthing pits	No.	3.00	293.00	879.00
15	Half round cement pipe (150mm X 1mtr)	No.	10.00	157.00	1570.00
16	Sand	Cmt	15.00	280.00	4200.00
17	P.V.C Pipe 110 MM Dia, 4 Kg	Mtr	50.00	135.00	6750.00
18	CTMB	No	1.00	755.00	755.00
19	Dog Conductor	Mtr	60	70.00	4200.00
Total:					144022.50

Sheet B Cost data of Control Cable

Sr. No	Description of Material	Unit	Qty	RT/U Rs.	Amt. Rs
1	2C X 2.5 Sq. mm Armoured, Copper	Mtr	100	79.00	7900.00
2	4C X 2.5 Sq. mm Armoured, Copper	Mtr	275	125.00	34375.00
3	7C X 2.5 Sq. mm Armoured, Copper	Mtr	40	199.00	7960.00
4	Armoured Copper control cable 12C X 2.5 Sq mm	Mtr	40	309.00	12360.00
Total:					62595.00

Sheet C Cost data of Civil

Sr. No	Description of Material	Unit	Qty	RT/U Rs.	Amt. Rs
1	Excavation & back filing	CuM	8	204.10	1632.80
2	PCC	CuM	2.5	4328.00	10820.00
3	RCC	CuM	5	6604.00	33020.00
4	Metal Spreading	CuM	10	1890.00	18900.00
5	Water Supply Arrangement (If required)	LS	1	10000.00	10000.00
Total:					74372.80