

List of Important Grid Elements in Maharashtra State

1. Transmission Lines

A. List of 765 kV Lines

Sl No	Category (ID.NO.)	End-1	End-2	Ckt No.	Line Owner	Km	Conductor Type
1	2	Akola(2)	Ektuni (Aurangabad(3))	2	MEGPTCL	220	Quad Bersimis
2	2	Akola(2)	Ektuni (Aurangabad(3))	1	MEGPTCL	220	Quad Bersimis
3	2	Koradi(III)	Akola(2)	1	MEGPTCL	222	Quad Bersimis
4	2	Koradi(III)	Akola(2)	2	MEGPTCL	222	Quad Bersimis
5	2	Tiroda	Koradi(III)	1	MEGPTCL	138	Quad Bersimis
6	2	Tiroda	Koradi(III)	2	MEGPTCL	138	Quad Bersimis

B. HVDC Bipole

SR. No.	Category (ID.NO.)	Details of HVDC bipole	No of circuits	Maintained by	End-1	End-2
1	2	Chandrapur-Padghe HVDC	Pole-1	MSETCL	MSETCL	MSETCL
2	2	Chandrapur-Padghe HVDC	Pole-2	MSETCL	MSETCL	MSETCL
3	2	Chandrapur-Padghe HVDC	Bipole	MSETCL	MSETCL	MSETCL

C. List of 400 kV Lines

Sl No	Category (ID.NO.)	End-1	End-2	Ckt No.	Line Owner	End-1 Owner	End-2 Owner	Km	Conductor Type
1	1	Aurangabad- M(Waluj)	Taptithanda	1	MSETCL	MSETCL	MSETCL	140.5	AAAC MORCULLA TWIN
2	1	Aurangabad- M(Waluj)	Deepnagar	2	MSETCL	MSETCL	MSETCL	185	AAAC MORCULLA TWIN
3	1	Bhusawal (Khadka)	Aurangabad-M(Waluj)	1	MSETCL	MSETCL	MSETCL	240	Twin ACSR Moose
4	1	Bhusawal (Khadka)	Deepnagar	1	MSETCL	MSETCL	MSETCL	8	AAAC MORCULLA TWIN
5	1	Bhusawal (Khadka)	Deepnagar	2	MSETCL	MSETCL	MSETCL	7	AAAC MORCULLA TWIN
6	1	Chandrapur	Khaparkhed a	1	MSETCL	MSETCL	MSETCL	150.94	Twin ACSR Moose
7	1	Chandrapur Switching	Chandrapur- II	1	MSETCL	MSETCL	MSETCL	2.21	Quad AAAC MORCULLA
8	1	Chandrapur Switching	Chandrapur- II	2	MSETCL	MSETCL	MSETCL	2.3	Quad AAAC MORCULLA
9	1	Chandrapur- II	Dhariwal	1	MSETCL	MSETCL	Dhariwal Infra	8	Twin ACSR Moose
10	1	Chandrapur- II	Dhariwal	2	MSETCL	MSETCL	Dhariwal Infra	8	Twin ACSR Moose
11	1	Dhule-MS	Bableshwar	1	MSETCL	MSETCL	MSETCL	170	Twin ACSR Moose
12	1	Dhule-MS	Bableshwar	2	MSETCL	MSETCL	MSETCL	170	Twin ACSR Moose
13	1	IEPL	Warora	1	WRTS-1	IEPL	MEGPTL	150	QUAD AAAC MORCULLA
14	1	IEPL	Koradi-II	2	WRTS-1	IEPL	MSETCL	96.18	QUAD ACSR MOOSE
15	1	Jaigad	New koyna	1	MSETCL	JAIGAD- IPP	MSETCL	54.74	QUAD ACSR MOOSE

SI No	Category (ID.NO.)	End-1	End-2	Ckt No.	Line Owner	End-1 Owner	End-2 Owner	Km	Conductor Type
16	1	Jaigad	New koyna	2	MSETCL	JAIGAD- IPP	MSETCL	54.74	QUAD ACSR MOOSE
17	1	Karad	Kolhapur	1	MSETCL	MSETCL	MSETCL	106	Twin ACSR Moose
18	1	Karad	Kolhapur	2	MSETCL	MSETCL	MSETCL	106	Twin ACSR Moose
19	1	Karad	Jaigad	1	MSETCL	MSETCL	JAIGAD- IPP	109.553	QUAD ACSR MOOSE
20	1	Karad	Jaigad	2	MSETCL	MSETCL	JAIGAD- IPP	109.553	QUAD ACSR MOOSE
21	1	Karad	New Koyna	1	MSETCL	MSETCL	MSETCL	72.5	Twin ACSR Moose
22	1	Karad	New Koyna	2	MSETCL	MSETCL	MSETCL	72.5	Twin ACSR Moose
23	1	Karad	Lonikhand	1	MSETCL	MSETCL	MSETCL	165	Twin ACSR Moose
24	1	Koradi	Khaparkhed a	1	MSETCL	MSETCL	MSETCL	6.05	AAAC MORQUILLA,560
25	1	Koradi	Khaparkhed a	2	MSETCL	MSETCL	MSETCL	6.36	AAAC MORQUILLA,560
26	1	Koyna stage- IV	Lonikhand	1	MSETCL	MSETCL	MSETCL	202	Twin ACSR Moose
27	1	Koyna stage- IV	New Koyna	1	MSETCL	MSETCL	MSETCL	10.93	Twin ACSR Moose
28	1	Koyna stage- IV	New Koyna	2	MSETCL	MSETCL	MSETCL	10.93	Twin ACSR Moose
29	1	Nandgaonpeth	Koradi	1	MSETCL	MSETCL	MSETCL	134	Twin ACSR Moose
30	1	Padghe	Nagothane	1	MSETCL	MSETCL	MSETCL	117	AAAC MORCULLA TWIN
31	1	Padghe	Nagothane	2	MSETCL	MSETCL	MSETCL	117	AAAC MORCULLA TWIN

SI No	Category (ID.NO.)	End-1	End-2	Ckt No.	Line Owner	End-1 Owner	End-2 Owner	Km	Conductor Type
32	1	Taptithanda	Deepnagar	1	MSETCL	MSETCL	MSETCL	185	MARCULLA T AAAC
33	1	Bableshtar	IB-Nasik	1	MSETCL	MSETCL	Ratan India	72	Twin ACSR Moose
34	1	Chandrapur- GCR	Chandrapur- II	1	MSETCL	MSETCL	MSETCL	1.09	Twin ACSR Moose
35	1	Chandrapur- GCR	Chandrapur- II	2	MSETCL	MSETCL	MSETCL	1.09	Twin ACSR Moose
36	1	Bhusawal (Khadka)	Akola	1	MSETCL	MSETCL	MSETCL	179.34	Twin ACSR Moose
37	1	Akola-M	Akola(2)	1	MEGPTL	MSETCL	MEGPTL	30	QUAD ACSR MOOSE
38	1	Akola-M	Akola(2)	2	MEGPTL	MSETCL	MEGPTL	30	QUAD ACSR MOOSE
39	1	Akola(2)	Nandgaon peth	1	MEGPTL	MEGPTL	Ratan India	104	Twin ACSR Moose
40	1	Akola(2)	Nandgaon peth	2	MEGPTL	MEGPTL	Ratan India	104	Twin ACSR Moose
41	1	Akola-M	Nandgaon peth	1	MSETCL	MSETCL	Ratan India	121	Twin ACSR Moose
42	1	Bableshtar	Aurangabad-M(Waluj)	1	MSETCL	MSETCL	MSETCL	131	Twin ACSR Moose
43	1	Bhusawal (Khadka)	Bableshtar	1	MSETCL	MSETCL	MSETCL	224	Twin ACSR Moose
44	1	Jejuri	Koyna stage- IV	1	MSETCL	MSETCL	MSETCL	188	Twin ACSR Moose
45	1	Koradi	Bhusawal (Khadka)	2	MSETCL	MSETCL	MSETCL	342.17	Twin ACSR Moose
46	1	Lonikand	Jejuri	1	MSETCL	MSETCL	MSETCL	48	Twin ACSR Moose
47	1	Lonikhand-II	Lonikand	1	MSETCL	MSETCL	MSETCL	0.4	Twin ACSR Moose

SI No	Category (ID.NO.)	End-1	End-2	Ckt No.	Line Owner	End-1 Owner	End-2 Owner	Km	Conductor Type
48	1	Lonikhand-II	Lonikand	2	MSETCL	MSETCL	MSETCL	0.4	Twin ACSR Moose
49	1	Chandrapur	Parli-M	3	MSETCL	MSETCL	MSETCL	373.45	Twin ACSR Moose
50	1	Chandrapur- II	Nanded	1	MSETCL	MSETCL	MSETCL	301.3	Twin ACSR Moose
51	1	Chandrapur- II	Nanded	2	MSETCL	MSETCL	MSETCL	301.3	Twin ACSR Moose
52	1	Parli-M	Nanded	1	MSETCL	MSETCL	MSETCL	163	Twin ACSR Moose
53	1	Parli-M	Nanded	2	MSETCL	MSETCL	MSETCL	160	Twin ACSR Moose
54	2	Akola	Aurangabad -PG	1	WRTS-1	WRTS-1	WRTS-1	178	Twin ACSR Moose
55	2	Akola	Aurangabad -PG	2	WRTS-1	WRTS-1	WRTS-1	178	Twin ACSR Moose
56	2	Alkud	Solapur-PG	1	WRTM	MSETCL	WRTS-1	12	Twin ACSR Moose
57	2	Aurangabad- M(Waluj)	Pune- PG(Shikrapur)	1	WRTM/ WRTS-I	MSETCL	WRTS-1	223	Twin ACSR Moose
58	2	Aurangabad- M(Waluj)	Pune- PG(Shikrapur)	2	WRTM/ WRTS-I	MSETCL	WRTS-1	223	Twin ACSR Moose
59	2	Aurangabad- M(Waluj)	Aurangabad-PG	1	WRTS-1	WRTS-1	WRTS-1	54	Quad ACSR Moose
60	2	Aurangabad- M(Waluj)	Aurangabad-PG	2	WRTS-1	WRTS-1	WRTS-1	54	Quad ACSR Moose
61	2	Bableshtar	Padghe	1	MSETCL	MSETCL	MSETCL	114.9	Twin ACSR Moose
62	2	Bableshtar	Padghe	2	MSETCL	MSETCL	MSETCL	113.97	Twin ACSR Moose
63	2	Chandrapur	Bhadrawati	1	WRTS-1	MSETCL	WRTS-1	20	Twin ACSR Moose

SI No	Category (ID.NO.)	End-1	End-2	Ckt No.	Line Owner	End-1 Owner	End-2 Owner	Km	Conductor Type
64	2	Chandrapur	Bhadrawati	2	WRTS-1	MSETCL	WRTS-1	20	Twin ACSR Moose
65	2	Chandrapur	Bhadrawati	3	WRTS-1	MSETCL	WRTS-1	22	Twin ACSR Moose
66	2	Chandrapur	Bhadrawati	4	WRTS-1	MSETCL	WRTS-1	22	Twin ACSR Moose
67	2	Chakan	Pune-PG	1	MSETCL/ WRTM	MSETCL	WRTS-1	18	Twin ACSR Moose
68	2	Dhule-BDTCL	Dhule-MS	1	BDTCL	BDTCL	MSETCL	18	Twin ACSR Moose
69	2	Dhule-BDTCL	Dhule-MS	2	BDTCL	BDTCL	MSETCL	18	Twin ACSR Moose
70	2	Ektuni (Aurangabad(3))	Bableshwar	1	MSETCL	MSETCL	MSETCL	134	AAAC MORCULLA
71	2	Ektuni (Aurangabad(3))	Bableshwar	2	MSETCL	MSETCL	MSETCL	134	AAAC MORCULLA
72	2	Kalwa	Padghe	1	MSETCL	MSETCL	MSETCL	54	Twin ACSR Moose
73	2	Kalwa	Padghe	2	MSETCL	MSETCL	MSETCL	54	Twin ACSR Moose
74	2	Kalwa	Kharghar	1	MSETCL	MSETCL	MSETCL	30	Twin ACSR Moose
75	2	Kalwa	Pune-PG	1	MSETCL/ WRTM	MSETCL	WRTS-1	104	Twin ACSR Moose
76	2	Karad	Solapur-PG	1	MSETCL	MSETCL	MSETCL	299.5	TWIN ACSR MOOSE
77	2	Khandwa	Dhule-MS	1	WRTS-2	WRTS-2	MSETCL	262	Twin ACSR Moose
78	2	Khandwa	Dhule-MS	2	WRTS-2	WRTS-2	MSETCL	262	Twin ACSR Moose
79	2	Kharghar	Pune-PG	1	MSETCL/ WRTM	MSETCL	MSETCL	93	Twin ACSR Moose

Sl No	Category (ID.NO.)	End-1	End-2	Ckt No.	Line Owner	End-1 Owner	End-2 Owner	Km	Conductor Type
80	2	Kolhapur	Kolhapur-PG	1	WRTS-1	MSETCL	WRTS-1	39	Twin ACSR Moose
81	2	Kolhapur	Kolhapur-PG	2	WRTS-1	MSETCL	WRTS-1	39	Twin ACSR Moose
82	2	Kolhapur	Alkud	1	MSETCL/ WRTM	MSETCL	WRTS-1	12	Twin ACSR Moose
83	2	Kolhapur	Solapur-PG	2	WRTM	MSETCL	WRTS-1	220	Twin ACSR Moose
84	2	Koradi	Satpura	1	WRTS-1	WRTS-1	WRTS-2	149	Twin ACSR Moose
85	2	Koradi	Bhilai	1	WRTS-1	WRTS-1	WRTS-1	272	Twin ACSR Moose
86	2	Koradi-II	Koradi-III	1	MSETCL	MSETCL	MSETCL	37.87	AAAC MORCQUILLA
87	2	Koradi-II	Koradi-III	2	MSETCL	MSETCL	MSETCL	37.85	AAAC MORCQUILLA
88	2	Lonikand	Chakan	1	MSETCL	MSETCL	MSETCL	25	Twin ACSR Moose
89	2	Lonikand	Pune-PG	1	MSETCL/ WRTM	MSETCL	WRTS-1	46	Twin ACSR Moose
90	2	Padghe	Boisar-PG	1	WRTS-2	MSETCL	WRTS-2	101	Twin ACSR Moose
91	2	Parli-M	Lonikhand-II	1	MSETCL	MSETCL	MSETCL	289.8	Twin ACSR Moose
92	2	Parli-M	Lonikhand-II	2	MSETCL	MSETCL	MSETCL	292.2	Twin ACSR Moose
93	2	Parli-M	Sholapur-M	1	MSETCL	MSETCL	MSETCL	182.86	Twin ACSR Moose
94	2	Parli-M	Parli-PG	1	WRTS-1	WRTS-1	WRTS-1	5	Twin ACSR Moose
95	2	Parli-M	Parli-PG	2	WRTS-1	WRTS-1	WRTS-1	5	Twin ACSR Moose

SI No	Category (ID.NO.)	End-1	End-2	Ckt No.	Line Owner	End-1 Owner	End-2 Owner	Km	Conductor Type
96	2	RGPPL	New Koyna	1	MSETCL	RGPPL	MSETCL	48.27	AAAC MORCULA
97	2	RGPPL	New Koyna	2	MSETCL	RGPPL	MSETCL	48.27	AAAC MORCULA
98	2	RGPPL	Nagothane	1	MSETCL	RGPPL	MSETCL	135.4	AAAC MORCULA
99	2	RGPPL	Nagothane	2	MSETCL	RGPPL	MSETCL	136.11	AAAC MORCULA
100	2	SSP	Dhule-MS	1	MSETCL	SSNNL	MSETCL	142	Twin ACSR Moose
101	2	SSP	Dhule-MS	2	MSETCL	SSNNL	MSETCL	142	Twin ACSR Moose
102	2	SOLAPUR	SOLAPUR(PG)	1	MSETCL	MSETCL	WRTS-1	182.86	Twin ACSR Moose
103	2	Tarapur-3&4	Padghe	1	WRTS-1	NPCIL	MSETCL	91	Twin ACSR Moose
104	2	Tarapur-3&4	Padghe	2	WRTS-1	NPCIL	MSETCL	91	Twin ACSR Moose
105	2	Tiroda	Warora	1	ATIL	MSETCL	ATIL	217.94	Twin ACSR Moose
106	2	Tiroda	Warora	2	ATIL	MSETCL	ATIL	217.94	Twin ACSR Moose
107	2	Taptithanda	Ektuni (Aurangabad(3))	1	MSETCL	MSETCL	MSETCL	5	QUAD AAAC
108	2	Taptithanda	Ektuni (Aurangabad(3))	2	MSETCL	MSETCL	MSETCL	5	QUAD AAAC
109	2	Wardha-PG	Akola	1	WRTS-1	WRTS-1	WRTS-1	162	Twin ACSR Moose
110	2	Wardha-PG	Akola	2	WRTS-1	WRTS-1	WRTS-1	162	Twin ACSR Moose
111	2	Wardha-PG	Warora	1	MSETCL	WRTS-1	MSETCL	79	AAAC MORCULLA

SI No	Category (ID.NO.)	End-1	End-2	Ckt No.	Line Owner	End-1 Owner	End-2 Owner	Km	Conductor Type
112	2	Wardha-PG	Koradi-II	1	WRTS-1	WRTS-1	IEPL	122.55	Quad ACSR Moose
113	2	Warora	Chandrapur- II	1	MEGPTL	MEGPTL	MSETCL	45	Twin ACSR Moose
114	2	Warora	Chandrapur- II	2	MEGPTL	MEGPTL	MSETCL	45	Twin ACSR Moose
115	2	HVDC Padge-Padghe GCR	Tie-1	1	MSETCL	MSETCL	MSETCL		
116	2	HVDC Padge-Padghe GCR	Tie-2	2	MSETCL	MSETCL	MSETCL		
117	2	HVDC Chandrapur -ChprGCR	Tie-1	1	MSETCL	MSETCL	MSETCL		
118	2	HVDC Chandrapur -ChprGCR	Tie-2	2	MSETCL	MSETCL	MSETCL		
119	2	Kudus	Kala	1	WRTS-1	MSETCL	WRTS-1		
120	2	Kudus	Kala	2	WRTS-1	MSETCL	WRTS-1		
121	2	Kudus	Padgha (GIS)	1	WRTS-1	MSETCL	WRTS-1		
122	2	Kudus	Padgha (GIS)	2	WRTS-1	MSETCL	WRTS-1		

D. List of Important 220 kV lines

SI No	Category (ID.NO.)	End-1	End-2	Ckt.no	Line Owner	Length(in Km)	Conductor Type
1	2	Aurangabad-PG	Chitegoan	1	MSETCL	34	PANTHER
2	2	Aurangabad-PG	Chitegoan	2	MSETCL	34	PANTHER
3	2	Aurangabad-PG	Shendra	1	MSETCL	11	PANTHER
4	2	Aurangabad-PG	Shendra	2	MSETCL	11	PANTHER
5	2	Boisar-PG	Nalasopara	1	MSETCL	54	ACSR ZEBRA
6	2	Boisar-PG	Boisar-M	1	MSETCL	5	ACSR ZEBRA
7	2	Boisar-PG	Boisar-M	2	MSETCL	5	ACSR ZEBRA
8	2	Boisar-PG	Boisar-M	3	MSETCL	4	ACSR ZEBRA
9	2	Nasik	Navsari	1	MSETCL	171	MOOSE
10	2	Nasik	Navsari	2	MSETCL	171	MOOSE
11	2	Pandurna	Kalmeshwar	1	MSETCL/MPP TCL	34	ACSRZEBRA
12	2	Solapur-PG	Kumbari	1	WRTS-1	45	PANTHER
13	2	Solapur-PG	Kumbari	2	WRTS-1	45	PANTHER

SI No	Category (ID.NO.)	End-1	End-2	Ckt.no	Line Owner	Length(in Km)	Conductor Type
14	2	Solapur-PG	Jeur	1	WRTM/ MSETCL	170	Twin Moose
15	2	Talegaon	Pune-PG	1	MSETCL	3	ACSR ZEBRA
16	2	Talegaon	Pune-PG	2	MSETCL	3	ACSR ZEBRA
17	2	Parli	Pune-PG	1	MSETCL	22	ACSRZEBRA
18	2	Osmanabad	Pune-PG	1	MSETCL	80	ACSRZEBRA
19	2	Tarapur-1&2	Boisar-M	1	WRTS-1	20	ACSR MOOSE
20	2	Tarapur-1&2	Borivali	1	WRTS-1	93	ACSR MOOSE
21	2	Tarapur-3&4	Tarapur-1&2	1	WRTS-1	1	Single Zebra
22	2	Wardha-PG	Wardha-M	1	MSETCL	25	ACSR PANTHER
23	2	Wardha-PG	Badnera	1	MSETCL	95	ACSR ZEBRA
24	2	Wardha-PG	Pusad	1	MSETCL	135	ACSRZEBRA
25	2	Wardha-PG	Bhugaon	1	MSETCL	8	ACSRZEBRA
26	2	Kolhapur(Mudshingi)	Chikkodi	1	KPTCL/MSETC L	56	ZEBRA
27	2	Kolhapur(Talandage)	Chikkodi	1	KPTCL/MSETC L	51	ACSR ZEBRA

SI No	Category (ID.NO.)	End-1	End-2	Ckt.no	Line Owner	Length(in Km)	Conductor Type
28	2	Mahalaxmi (Konalkatta)	Amona	1	MSETCL	27	ZEBRA
29	2	Tillari	Amona	1	MSETCL	41	ZEBRA
30	1	Talandge	Mudshingi	1	MSETCL	12	ZEBRA
31	1	Talandge	Mudshingi	2	MSETCL	15	ZEBRA
32	1	Halkarni	Tillari	1	MSETCL	26	ZEBRA
33	1	Mahalaxmi (Konalkatta)	Halkarni	1	MSETCL	38	ZEBRA
34	1	Halkarni	Mumewadi	1	MSETCL	50	Single Zebra
35	1	Halkarni	Mumewadi	2	MSETCL	50	Single Zebra
36	1	Mumewadi	Belewadi	1	MSETCL	6	ACSR
37	1	Mumewadi	Hamidwada	1	MSETCL	23	Single Zebra
38	1	Belewadi	Mudshingi	1	MSETCL	55	Single Zebra
39	1	Hamidwada	Talandge	1	MSETCL	36	Single Zebra

Note:- 1) For (Sr.No.28 or 29) i.e. outage on 220kV Mahalaxmi - Amona ckt or 220kV Tillari - Amona ckt , consent of WRLDC is required

2) For outage on double ckt (Sr.No.35 & 36) WRLDC consent is required

SI No	Category (ID.NO.)	End-1	End-2	Ckt.no	Line Owner	Length(in Km)	Conductor Type
3) For outage on Bus or single ckt (from sr.no.30 to 39) , only NOC of GOA is required							
List of Important 132 kV lines							
1	2	Pench	Kanhan	1	MSETCL	52	Single Zebra
2	2	Pench	Mansar	2	MSETCL	35	Single Zebra
3	2	Mansar	Kanhan	1	MSETCL	21	Single Zebra

2. Inter Connecting Transformers (ICTs)

A. List of 765/400 kV ICTs

SI No	Category (ID.NO.)	Sub-Station	ICT No.	MVA	Voltage Ratio	Owner	Normal Tap Position	Present Tap Position
1	2	Akola(2)	1	1500	765/400	MEGPTCL	12	11
2	2	Ektuni (Aurangabad(3))	1	1500	765/400	MEGPTCL	12	12
3	2	Ektuni (Aurangabad(3))	2	1500	765/400	MEGPTCL	12	12
4	2	Koradi(III)	1	1500	765/400	MEGPTCL	12	12
5	2	Koradi(III)	2	1500	765/400	MEGPTCL	12	12
6	2	Tiroda	1	1500	765/400	MEGPTCL	12	11

B. List of 400/220 kV and 400/132 kV ICTs

SI No	Category (ID.NO.)	Sub-Station	ICT No.	MVA	Voltage Ratio	Owner	Normal Tap Position	Present Tap Position
1	1	Alkud	1	500	400/220	MSETCL	9b	9b
2	1	Akola-M	1	315	400/220	MSETCL	9b	8
3	1	Akola-M	2	315	400/220	MSETCL	9b	8
4	1	Aurangabad-M(Waluj)	3	500	400/220	MSETCL	9	9
5	1	Aurangabad-M(Waluj)	1	315	400/220	MSETCL	9b	9

SI No	Category (ID.NO.)	Sub-Station	ICT No.	MVA	Voltage Ratio	Owner	Normal Tap Position	Present Tap Position
6	1	Aurangabad-M(Waluj)	2	315	400/220	MSETCL	9b	9
7	1	Bableshtar	1	315	400/220	MSETCL	9b	9
8	1	Bableshtar	2	315	400/220	MSETCL	9b	9
9	1	Bableshtar	3	500	400/220	MSETCL	9	9
10	1	Bableshtar	4	500	400/220	MSETCL	9	9
11	1	Bhusawal (Khadka)	1	200	400/132	MSETCL		
12	1	Bhusawal (Khadka)	2	200	400/132	MSETCL		
13	1	Bhusawal (Khadka)	3	315	400/220	MSETCL	9b	9
14	1	Chakan	1	315	400/220	MSETCL	9b	11
15	1	Chakan	2	315	400/220	MSETCL	9b	11
16	1	Chandrapur	1	315	400/220	MSETCL	9b	9
17	1	Chandrapur	2	315	400/220	MSETCL	9b	9
18	1	Chandrapur II	1	500	400/220	MSETCL	9b	9b
19	1	Chandrapur II	2	500	400/220	MSETCL	9	9
20	1	Deepnagar	1	500	400/220	MSETCL	9	10
21	1	Deepnagar	2	500	400/220	MSETCL	9	10

SI No	Category (ID.NO.)	Sub-Station	ICT No.	MVA	Voltage Ratio	Owner	Normal Tap Position	Present Tap Position
22	1	Dhule-MS	1	315	400/220	MSETCL	9b	11
23	1	Dhule-MS	2	315	400/220	MSETCL	9b	11
24	1	Dhule-MS	3	500	400/220	MSETCL	9	9
25	1	Jejuri	1	500	400/220	MSETCL	9	9
26	1	Jejuri	2	500	400/220	MSETCL	9	9
27	1	Jejuri	3	500	400/220	MSETCL	9b	9b
28	1	Kalwa	1	500	400/220	MSETCL	9	11
29	1	Kalwa	2	600	400/220	MSETCL	9	11
30	1	Kalwa	3	500	400/220	MSETCL	9	11
31	1	Kalwa	4	500	400/220	MSETCL	9	11
32	1	Karad	1	315	400/220	MSETCL	9b	8
33	1	Karad	2	315	400/220	MSETCL	9b	8
34	1	Karad	3	315	400/220	MSETCL	9b	8
35	1	Khaparkheda	1	500	400/220	MSETCL	9	7
36	1	Khaparkheda	2	500	400/220	MSETCL	9	7
37	1	Kharghar	1	315	400/220	MSETCL	9b	11

SI No	Category (ID.NO.)	Sub-Station	ICT No.	MVA	Voltage Ratio	Owner	Normal Tap Position	Present Tap Position
38	1	Kharghar	2	315	400/220	MSETCL	9	11
39	1	Kharghar	3	315	400/220	MSETCL	9b	11
40	1	Kolhapur	1	315	400/220	MSETCL	9b	9
41	1	Kolhapur	2	315	400/220	MSETCL	9b	9
42	1	Kolhapur	3	500	400/220	MSETCL	9b	9
43	1	Koradi	1	315	400/220	MSETCL	9b	7
44	1	Koradi	2	315	400/220	MSETCL	9b	7
45	1	Koradi-II	1	500	400/220	MSETCL	9	7
46	1	Koradi-II	2	500	400/220	MSETCL	9	7
47	1	Lonikhand	1	315	400/220	MSETCL	9b	13
48	1	Lonikhand	2	315	400/220	MSETCL	9b	13
49	1	Lonikhand	3	315	400/220	MSETCL	9b	13
50	1	Lonikhand-II	1	500	400/220	MSETCL	9	9
51	1	Lonikhand-II	2	500	400/220	MSETCL	9	9
52	1	Nagothane	1	315	400/220	MSETCL	9b	9
53	1	Nagothane	2	315	400/220	MSETCL	9b	9

SI No	Category (ID.NO.)	Sub-Station	ICT No.	MVA	Voltage Ratio	Owner	Normal Tap Position	Present Tap Position
54	1	Nagothane	3	500	400/220	MSETCL	9	8
55	1	Nanded	1	500	400/220	MSETCL	9b	9b
56	1	Nanded	2	500	400/220	MSETCL	9b	9b
57	1	New koyna	1	315	400/220	MSETCL	9b	11
58	1	New koyna	2	315	400/220	MSETCL	9	11
59	1	Padghe	1	315	400/220	MSETCL	9b	8
60	1	Padghe	2	315	400/220	MSETCL	9b	8
61	1	Padghe	3	315	400/220	MSETCL	9b	8
62	1	Padghe	4	600	400/220	MSETCL	9b	8
63	1	Padgha	5	500	400/220	MSETCL	9	8
64	1	Parli-M	1	315	400/220	MSETCL	9b	12
65	1	Parli-M	2	315	400/220	MSETCL	9b	12
66	1	Parli-M	3	500	400/220	MSETCL	9	12
67	1	Sholapur-M	1	500	400/220	MSETCL	9	11
68	1	Sholapur-M	2	500	400/220	MSETCL	9	11
69	1	Taptithanda	1	500	400/220	MSETCL	9	9

SI No	Category (ID.NO.)	Sub-Station	ICT No.	MVA	Voltage Ratio	Owner	Normal Tap Position	Present Tap Position
70	1	Taptithanda	2	500	400/220	MSETCL	9	9
71	1	Kudus	1	500	400/220	MSETCL	9b	9b
72	1	Kudus	2	500	400/220	MSETCL	9b	9b

3. Bus Reactors

A. List of 765 kV Bus Reactors

Sr. No.	Category (ID.NO.)	Name of S/S	Owner	Nos of Reactor	Total MVAR
1	2	Akola(2)	MEGPTCL	3X80	240
2	2	Ektuni (Aurangabad(3))	MSETCL	3X80	240
3	2	Koradi(III)	MEGPTCL	3X80	240
4	2	Tiroda	MEGPTCL	3X80	240

B. List of 400 kV Bus Reactors

S.No	Category (ID.NO.)	Substation	Owner	Nos of Reactor	Total MVAR	Rated Voltage	Remark
1	1	Alkud	MSETCL	1X125	125	420	
2	1	Bableshtar	MSETCL	2X80	160	420	
3	1	Bhusawal (Khadka)	MSETCL	1X50	50	420	
4	1	Jaigad	JPTL	2x50	100	420	
5	1	Kharghar	MSETCL	1X80	80	420	
6	1	Koradi	MSETCL	1X50	50	420	
7	1	Lonikand-1	MSETCL	1X50	50	420	

S.No	Category (ID.NO.)	Substation	Owner	Nos of Reactor	Total MVAR	Rated Voltage	Remark
8	1	Nagothane	MSETCL	1X80	80	420	
9	1	Nandgaonpeth	Rattan India	1x80	80	420	
10	1	Padghe	MSETCL	1X80	80	420	
11	1	Parli-M	MSETCL	1X50	50	420	
12	1	Tiroda	ATIL	2X80	160	420	
13	1	Warora	MSETCL	1x125	125	420	
14	1	Karad	MSETCL	1X125	125	420	
15	1	Kolhapur	MSETCL	1X125	125	420	
16	1	Lamboti	MSETCL	1X125	125	420	
17	2	Dhule	Powergrid	1X80	80	420	Owner-Powergrid. Availability to be certified by WRLDC.
18	2	Kolhapur	Powergrid	1X80	80	420	

C. Controlled Shunt Reactors (CSR)

S.N	Category (ID.NO.)	Sub station	Reactors	Total MVAR capacity	Agency
1	1	at 400 kV Karad (on Lonikand ckt.)	1x80	80	MSETCL
2	1	at 400 kV Dhule (on SSP 1& 2 ckts.)	2x50	100	MSETCL

Category	ID.NO.	CODE REQUIRED FOR APPROVAL
SLDC	1	SLDC
RLDC	2	WRLDC & SLDC