

MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LTD.

Maharashtra State Load Despatch Centre, Kalwa

To,
Hon. Energy Minister/ Chief Secretary/ Energy Secretary.
Maharashtra State, Mumbai.

Sub: Report of the Power System position for the period 31-Dec-12 To 6-Jan-13

Date	Monday 31-Dec-12	Tuesday 1-Jan-13	Wednesday 2-Jan-13	Thursday 3-Jan-13	Friday 4-Jan-13	Saturday 5-Jan-13	Sunday 6-Jan-13
On Line Capacity (MW)							
MSPGCL THM	4800	4940	5070	5140	4895	4860	5385
MSPGCL HY	1366	1303	1293	1277	1278	1277	1278
MSPGCL GAS	410	400	470	470	470	470	470
MSPGCL TOTAL	6576	6643	6833	6887	6643	6607	7133
Cent. Sect.(incl. RGPPL)	4547	4813	5000	4693	4163	4306	4176
MSPGCL + CS	11123	11456	11833	11580	10806	10913	11309
TPCL	1498	1498	1627	1627	1627	1627	1627
REL	500	500	500	500	500	500	500
TPCL + REL	1998	1998	2127	2127	2127	2127	2127
CPP	1469	1470	1469	1470	1470	1470	1470
STATE OLC	14590	14924	15429	15177	14403	14510	14906
Morning Peak Demand (MW)	12 Hrs	12 Hrs	11 Hrs	11 Hrs	12 Hrs	12 Hrs	11 Hrs
MSPGCL THM	4799	5128	5090	5387	4808	4811	5499
MSPGCL HY	1899	923	1281	750	650	1119	1058
MSPGCL GAS	406	406	474	472	471	473	469
MSPGCL TOTAL	7104	6457	6845	6609	5929	6403	7026
Cent. Sect.(incl. RGPPL)	4980	4569	4846	4847	4310	4640	4248
Wind	71	77	32	39	51	91	73
CPP	2160	2572	2512	2517	2459	2469	2470
TPCL Asst	-675	-571	-676	-397	-323	-259	-175
MSEDCL Catered	13640	13104	13559	13641	12453	13344	13642
Load Shedding (LS)	815	826	502	617	741	713	565
MSEDCL Demand(Incl LS)	14455	13930	14061	14258	13194	14057	14207
TPCL + REL Dem.	2538	2348	2537	2406	2393	2249	1756
State Demand (Incl LS)	16993	16278	16598	16664	15587	16306	15963
Sys. Freq. (Hz)	49.81	49.91	49.83	49.84	49.73	49.7	49.75
Evening Peak Demand (MW)	17 Hrs	17 Hrs	17 Hrs	17 Hrs	17 Hrs	17 Hrs	20 Hrs
MSPGCL THM	4958	5017	4946	5417	4845	5025	5655
MSPGCL HY	332	123	874	343	166	225	193
MSPGCL GAS	404	472	458	474	452	475	467
MSPGCL TOTAL	5694	5612	6278	6234	5463	5725	6315
Cent. Sect.(incl. RGPPL)	4623	4291	4559	4223	3961	3952	3708
Wind	160	286	231	76	110	199	211
CPP	2475	2584	2067	2496	2469	2455	2205
TPCL Asst	-473	-502	-617	-337	-294	-145	-313
MSEDCL Catered	12479	12271	12518	12692	11709	12186	12153
Load Shedding (LS)	532	524	517	482	502	472	220
MSEDCL Demand(Incl LS)	13011	12795	13035	13174	12211	12658	12373
TPCL + REL Dem.	2371	2188	2417	2306	2282	2054	1845
State Demand (Incl LS)	15382	14983	15452	15480	14493	14712	14218
Sys. Freq. (Hz)	49.87	50.12	49.77	49.78	49.88	49.83	49.92

Copy s.w.rs to : M.D. (MSETCL) / Director (OP), MSETCL, Mumbai.

Copy to : S.E. (LM), MSEDCL, Mumbai.

Chief Engineer
MSLDC, Kalwa

SLDC,KALWA

MSPGCL WEEKLY FORCED & PLANNED UNIT OUTAGES

WEEK	31-Dec-12	TO	6-Jan-13
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A) (UNITWISE PLANNED/FORCED OUTAGE POSITION @ 05:30 HRS. OF THE DAY OF (MSPGCL THERMAL UNITS ONLY)

Sr.No	Date	31-Dec-2012		1-Jan-2013		2-Jan-2013		3-Jan-2013		4-Jan-2013		5-Jan-2013		6-Jan-2013	
	Day	MONDAY		TUESDAY		WEDNESDAY		THURSDAY		FRIDAY		SATURDAY		SUNDAY	
	Outage Type	PLANNED	FORCED	PLANNED	FORCED	PLANNED	FORCED	PLANNED	FORCED	PLANNED	FORCED	PLANNED	FORCED	PLANNED	FORCED
1	NASIK	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2	KORADI	5	*	5	*	5	*	5	*	5	*	5	7	5	7
3	KHAPERKHEDA	*	*	*	*	*	*	*	*	*	4	*	*	*	*
4	PARALI	7	3,4	7	3,4	7	3,4	7	3,4	7	4	7	4	7	4
5	CHANDRAPUR	*	7	*	*	*	*	*	*	*	7	*	7	*	*
6	BHUSAVAL	2	*	2	*	2	*	2	*	2	*	2	*	*	*
7	PARAS	*	*	*	*	*	*	*	3	*	*	*	3	*	*

REMARKS:-

1)THIS INFORMATION TO BE VERIFIED FROM CGM.(GEN.WORKS) MSPGCL,H.O. MUMBAI REPORT BEFORE SUBMITTING TO THE CABINET COMMITTEE

2) URAN GTPS UNITS ARE KEPT SHUT OR ON STAND BY MODE DUE TO GAS SHORTAGE.

3) Koradi U-1 to 4, Paras U-2, Parli U-1,2, Bhusawal U-1 and Nasik 1,2 are withdrawn being a vintage units.

B) WEEKLY CENTRAL SECTOR SHARE/DRAWL(IN MUs)

DATE	DAY	CENT.SECT. SHARE(INCL.TPCL)		TOTAL BILATERAL PURCHASE(MSEDCL)		TOTAL SHARE		TOTAL DRAWL		OVERDRAWL(+) UNDREDAWL(-)	
		MUs	AVG. MW	MUs	AVG. MW	MUs	AVG. MW	MUs	AVG. MW	MUs	AVG. MW
		1		2		1+2=3		4		3-4=5	
31-Dec-2012	MONDAY	65.638	2735	35.342	1473	100.980	4208	102.318	4263	1.338	56
1-Jan-2013	TUESDAY	67.120	2797	36.941	1539	104.061	4336	101.610	4234	-2.451	-102
2-Jan-2013	WEDNESDAY	72.920	3038	32.764	1365	105.684	4404	103.722	4322	-1.962	-82
3-Jan-2013	THURSDAY	63.041	2627	38.881	1620	101.922	4247	99.644	4152	-2.278	-95
4-Jan-2013	FRIDAY	58.161	2423	39.014	1626	97.175	4049	93.491	3895	-3.684	-154
5-Jan-2013	SATURDAY	58.714	2446	40.696	1696	99.410	4142	95.097	3962	-4.313	-180
6-Jan-2013	SUNDAY	54.671	2278	38.823	1618	93.494	3896	87.363	3640	-6.131	-255
	TOTAL	440.265		262.461		702.726		683.245		-19.481	

Details of Koyna Water Consumption (In TMC)

DATE	For the Day	For the Month	Balance
31-Dec-12	0.291	7.270	27.019
1-Jan-13	0.091	0.091	26.928
2-Jan-13	0.194	0.285	26.734
3-Jan-13	0.076	0.361	26.658
4-Jan-13	0.097	0.458	26.561
5-Jan-13	0.128	0.586	26.433
6-Jan-13	0.054	0.640	26.379

Supply Position During Evening Peak (MW)

Date	Time	MSEDCL Generation				Central Sector Receipt	WIND	CPP	TPCL Exch	MSEDCL Catered Demand	Load Shedding (LS).	MSEDCL Demand (Incl LS)	TPCL Gen.	REL Gen.	State demand met	State Demand (Incl LS)	Freq.
		Thermal	Hydro	Gas	Total												
		MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	Hzs
31-Dec-12	17	4958	332	404	5694	4623	160	2475	-473	12479	532	13011	1370	528	14850	15382	49.87
1-Jan-13	17	5017	123	472	5612	4291	286	2584	-502	12271	524	12795	1157	529	14459	14983	50.12
2-Jan-13	17	4946	874	458	6278	4559	231	2067	-617	12518	517	13035	1271	529	14935	15452	49.77
3-Jan-13	17	5417	343	474	6234	4223	76	2496	-337	12692	482	13174	1440	529	14998	15480	49.78
4-Jan-13	17	4845	166	452	5463	3961	110	2469	-294	11709	502	12211	1460	528	13991	14493	49.88
5-Jan-13	17	5025	225	475	5725	3952	199	2455	-145	12186	472	12658	1380	529	14240	14712	49.83
6-Jan-13	20	5655	193	467	6315	3708	211	2205	-313	12153	220	12373	1004	528	13998	14218	49.92
Maximum		5655	874	475	6315	4623	286	2584	-145	12692	532	13174	1460	529	14998	15480	50.12
Minimum		4845	123	404	5463	3708	76	2067	-617	11709	220	12211	1004	528	13991	14218	49.77
Average		5123	322	457	5903	4188	182	2393	-383	12287	464	12751	1297	529	14496	14960	49.88

Supply Position During Morning Peak (MW)

Date	Time	MSEDCL Generation				Central Sector Receipt	WIND	CPP	TPCL Exch	MSEDCL Catered Demand	Load Shedding (LS).	MSEDCL Demand (Incl LS)	TPCL Gen.	REL Gen.	State demand met	State Demand (Incl LS)	Freq.
		Thermal	Hydro	Gas	Total												
		MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	Hzs
31-Dec-12	12	4799	1899	406	7104	4980	71	2160	-675	13640	815	14455	1334	529	16178	16993	49.81
1-Jan-13	12	5128	923	406	6457	4569	77	2572	-571	13104	826	13930	1248	529	15452	16278	49.91
2-Jan-13	11	5090	1281	474	6845	4846	32	2512	-676	13559	502	14061	1333	528	16096	16598	49.83
3-Jan-13	11	5387	750	472	6609	4847	39	2517	-397	13641	617	14258	1480	529	16047	16664	49.84
4-Jan-13	12	4808	650	471	5929	4310	51	2459	-323	12453	741	13194	1540	530	14846	15587	49.73
5-Jan-13	12	4811	1119	473	6403	4640	91	2469	-259	13344	713	14057	1462	528	15593	16306	49.70
6-Jan-13	11	5499	1058	469	7026	4248	73	2470	-175	13642	565	14207	1052	529	15398	15963	49.75
Maximum		5499	1899	474	7104	4980	91	2572	-175	13642	826	14455	1540	530	16178	16993	49.91
Minimum		4799	650	406	5929	4248	32	2160	-676	12453	502	13194	1052	528	14846	15587	49.70
Average		5075	1097	453	6625	4634	62	2451	-439	13340	683	14023	1350	529	15659	16341	49.80

Details of Supply Position (MUs)

Date	MSEDCL Generation					Central Sector Receipt	Central Sector Share	WIND	CPP	TPCL Gen	R-Infra Gen	TPCL Exch	Energy Requirement			
	Thermal	Hydro	Gas	Pench(MS)	Total								MSEB	TPCL	REL	State
31-Dec-12	116.024	15.711	9.950	0.074	141.759	102.318	100.980	3.371	51.737	25.048	12.146	-10.686	288.499	32.060	15.819	336.378
1-Jan-13	120.303	6.299	10.232	0.115	136.949	101.610	104.061	3.622	58.320	22.167	12.114	-12.326	288.175	31.285	15.321	334.781
2-Jan-13	121.005	10.791	11.328	0.211	143.335	103.722	105.684	3.756	51.179	24.063	12.140	-13.103	288.889	32.977	16.485	338.351
3-Jan-13	126.615	6.109	11.237	0.277	144.238	99.644	101.922	1.927	54.601	25.676	12.065	-9.276	291.134	31.416	15.597	338.147
4-Jan-13	114.482	8.524	11.266	0.310	134.582	93.491	97.175	3.052	54.600	25.636	12.351	-7.949	277.780	30.692	15.265	323.737
5-Jan-13	117.405	8.940	11.374	0.118	137.837	95.097	99.410	2.944	55.519	25.087	12.167	-5.730	285.667	28.684	14.298	328.649
6-Jan-13	129.125	5.217	11.392	0.114	145.848	87.363	93.494	3.096	54.496	19.729	12.017	-4.572	286.231	23.972	12.343	322.546
Maximum	129.125	15.711	11.392	0.310	145.848	103.722	105.684	3.756	58.320	25.676	12.351	-4.572	291.134	32.977	16.485	338.351
Minimum	114.482	5.217	9.950	0.074	134.582	87.363	93.494	1.927	51.179	19.729	12.017	-13.103	277.780	23.972	12.343	322.546
Average	120.708	8.799	10.968	0.174	140.650	97.606	100.389	3.110	54.350	23.915	12.143	-9.092	286.625	30.155	15.018	331.798

MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LTD.

Maharashtra State Load Despatch Centre, Kalwa
Information for Weekly Cabinet Meeting

For the Week

31-Dec-12

to

6-Jan-13

Demand Supply Summary

	Morning Peak (MW)	Evening Peak (MW)
Average Peak Demand	14023	12751
Average Peak Supply	13340	12287
Average Load Relief (LS)	683	464

Average Supply Summary

	Morning Peak (MW)	Evening Peak (MW)	Mus
Thermal	5075	5123	120.71
Gas	453	457	10.97
Hydro	1097	322	8.80
CS Drawal (Total)	4634	4188	97.61
TPCL	-439	-383	-9.09

Koyna Water position

	Water in TMC Feet
Average Water Used Per Day	0.133
Balance Left	26.379
Balance Left Last Year Same Week	19.640

MSPGCL Unit Outage Position

Date	MSPGCL (in MW)		
	Planned	Forced	Total
31-Dec-12	660	920	1580
1-Jan-13	660	420	1080
2-Jan-13	660	420	1080
3-Jan-13	660	630	1290
4-Jan-13	660	920	1580
5-Jan-13	660	1130	1790
6-Jan-13	450	420	870

Distressed Load Shedding

Maxm. No. of Hours in a day	0
Number of Days	0

GENERATING UNIT OUTAGES FOR THE WEEK

FROM 31-Dec-12 TO 6-Jan-13

UNIT UNDER PLANNED OUTAGE

name	unit no	derat cap	date_trip	time_trip	date_sync	time_sync	reasondes
Cent Sect	Tarapur 1	80	16-Jul-12	22.15	1-Jan-13	21.10	Refueling work.
Koradi	Unit 5	200	16-Sep-12	04.23		Continued.	C.O.H.
Bhusawal	Unit 2	210	19-Oct-12	22.22	4-Jan-13	22.26	AOH.
Parli	Unit 4	210	28-Nov-12	02.37		Continued.	W/DN due to water shortage.
Koyna	Unit 12	80	29-Nov-12	08.30		Continued.	A/OH.
Tata	Trombay 8	250	21-Dec-12	00.10		Continued.	Boiler recertification.
Cent Sect	Tarapur 2	80	31-Dec-12	17.05		Continued.	Refuelling work
Koyna	ST-IV 1	250	4-Jan-13	10.00		Continued.	Sperical valve work.

UNIT UNDER FORCED OUTAGE

name	unit no	derat cap	date_trip	time_trip	date_sync	time_sync	reason
Tata	TATA Hydro	444	5-Sep-12	03:30	1-Jan-13	18.18	BHIRA (BPSU-150MW)Unit tripped due to stator winding fault.
Dabhol	1B	230	9-Oct-12	13.56		Continued.	Gas Shortage.
Dabhol	3B	230	28-Oct-12	12.43		Continued.	Gas Shortage
Dabhol	1A	230	2-Nov-12	16.27		Continued.	Gas shortage.
Dabhol	1X	290	2-Nov-12	16.26		Continued.	Gas shortage.
CPP	Adani	660	9-Nov-12	19.16	31-Dec-12	10.37	No Schedule.
Dabhol	3A	230	3-Dec-12	21.23		Continued.	Gas Shortage
Dabhol	3X	290	3-Dec-12	21.21		Continued.	Gas Shortage
Dabhol	2A	230	17-Dec-12	21.54	31-Dec-12	09.28	Gas Shortage.
Parli	Unit 7	250	22-Dec-12	20.46		Continued.	Steam leakage.
Hydro	GhatgharU1	125	27-Dec-12	10.45	3-Jan-13	15.30	Rock sliding.
Hydro	GhatgharU2	125	27-Dec-12	10.25	3-Jan-13	16.16	Rock sliding.
Chandrapur	Unit 7	500	29-Dec-12	14.42	31-Dec-12	19.37	Loss of fuel.
Uran	Unit 5	108	29-Dec-12	00.45		Continued.	Water feed pump problem.
CPP	WPCL U-1	135	29-Dec-12	18.45		Continued.	Withdrawn.
Parli	Unit 3	210	30-Dec-12	04.12	1-Jan-13	07.10	Air heater problem.
Bhusawal	Unit 5	500	30-Dec-12	19.32	31-Dec-12	02.58	Low Drum Level
Parli	Unit 3	210	1-Jan-13	16.50	4-Jan-13	00.40	Inspection of PA Fan
Khaparkheda	Unit 2	210	1-Jan-13	18.53	1-Jan-13	22.03	Flame Failure
Bhusawal	Unit 5	500	1-Jan-13	05.11	5-Jan-13	12.48	Coal Shortage
CPP	Adani	660	2-Jan-13	12.27	3-Jan-13	00.50	Wardha PG-Warora Line Tripped
Paras	Unit 3	250	2-Jan-13	22.14	3-Jan-13	08.35	Replacement of Damaged/Punctured Bend of HTPRDS Line
Dabhol	2B	230	3-Jan-13	13.29		Continued.	Gas shortage.
Chandrapur	Unit 7	500	4-Jan-13	02.00	5-Jan-13	23.41	Control feed pump trip.
Koradi	Unit 7	210	4-Jan-13	21.39	6-Jan-13	11.15	BLR T/L.
Khaparkheda	Unit 4	210	4-Jan-13	02.57	4-Jan-13	07.25	Furnace pressure high.
Paras	Unit 3	250	4-Jan-13	11.57	5-Jan-13	17.16	E.T/L.
Bhusawal	Unit 2	210	4-Jan-13	23.23	5-Jan-13	02.08	Static excitation.
Khaparkheda	Unit 5	500	6-Jan-13	21.28	7-Jan-13	01.14	Drum level high.
Bhusawal	Unit 5	500	6-Jan-13	11.18		Continued.	Coal shortage.
Bhusawal	Unit 4	500	6-Jan-13	21.24		Continued.	Bus bar protection operated.
Koyna	ST - IV 4	250	6-Jan-13	21.25	7-Jan-13	01.25	Governer safety bolt rupture(while machine in condenser mode.)
Koyna	ST - IV 3	250	6-Jan-13	21.35	7-Jan-13	02.15	B.F.value major fault.(while taking in condenset mode.)
Khaparkheda	Unit 3	210	7-Jan-13	06.26		Continued.	Furnance pressure very high.
CPP	Adani	660	7-Jan-13	05.52		Continued.	Due to E/F in switch gear room.

LINE OUTAGES FOR THE WEEK

FROM 31-Dec-12 TO 6-Jan-13

Voltage	Name	date_trip	time_trip	date_sync	time_sync	Reason
400KV	Warora - Tiroda - II	9-Nov-12	19.16	31-Dec-12	10.33	Tripped alongwith Warora-Wardha(PG)-I on O/V.Kept OFF due to Rreactor Comm.Problem.
400KV	Wardha (PG) - Warora - I	29-Nov-12	21.10	31-Dec-12	00.34	Over Voltage
400KV	Khadka - Deepnagar - II	12-Dec-12	09.56	4-Jan-13	18.55	Over Voltage
400KV	Dhule-Sar'Sarovar - II	25-Dec-12	21.23	31-Dec-12	10.46	Over Voltage
400KV	Bhusawal- Aurangabad	27-Dec-12	16.09	1-Jan-13	06.43	Over Voltage
400KV	Karad - Kolhapur - I	29-Dec-12	20.29	31-Dec-12	09.23	Over Voltage
400KV	Karad - Kolhapur - II	30-Dec-12	17.23	1-Jan-13	09.24	Over Voltage
400KV	Lonikand- Koyna Stage IV	30-Dec-12	22.07	31-Dec-12	07.35	Over Voltage
400KV	Akola - Wardha - II	30-Dec-12	21.32	31-Dec-12	07.00	Over Voltage
400KV	765 KV Wardha - Seoni -I	30-Dec-12	22.02	31-Dec-12	05.46	Over Voltage
400KV	Padgha - Nagothane- II	31-Dec-12	01.37	31-Dec-12	08.14	Over Voltage
400KV	Bablsr-Padgha Ckt I	31-Dec-12	04.04	31-Dec-12	06.44	Over Voltage
400KV	Lonikand- Koyna Stage IV	31-Dec-12	21.11	1-Jan-13	08.28	Over Voltage
400KV	Karad - Kolhapur - I	31-Dec-12	16.42	2-Jan-13	07.45	Over Voltage
400KV	Wardha - Akola - I	31-Dec-12	21.25	1-Jan-13	05.38	Over Voltage
400KV	765KV Seoni - Wardha - II	31-Dec-12	23.00	1-Jan-13	06.04	Over Voltage
400KV	Bablsr-Padgha Ckt I	1-Jan-13	03.03	1-Jan-13	06.21	Over Voltage
400KV	Karad - Kolhapur - II	1-Jan-13	17.39	2-Jan-13	10.25	Over Voltage
400KV	Bhusawal- Aurangabad	1-Jan-13	17.11	4-Jan-13	07.52	Over Voltage
400KV	765 KV Wardha - Seoni -I	1-Jan-13	14.03	3-Jan-13	07.54	Over Voltage
400KV	Akola - Wardha - II	1-Jan-13	23.11	2-Jan-13	09.04	Over Voltage
400KV	Lonikand- Koyna Stage IV	1-Jan-13	22.04	2-Jan-13	06.57	Over Voltage
400KV	Padgha - Talegaon (PG)	2-Jan-13	06.29	2-Jan-13	16.23	Distance Protection
400KV	New Koyna-Karad-II	2-Jan-13	10.01	3-Jan-13	09.34	Relay Testing Work and R&Y phase CT Leakage(Ready for Charging 17.40Hrs)
400KV	Main Bus - I @ Lamboti	2-Jan-13	10.41	2-Jan-13	12.37	Bus Bar Testing work
400KV	Main Bus - II @ Lamboti	2-Jan-13	13.42	2-Jan-13	15.09	Bus Bar Testing
400KV	Lonikand - Parli - I	2-Jan-13	20.52	3-Jan-13	08.32	Oil Leakage in Breaker at Lonikand end. (taken on TBC.On Own Bkr at 15.55 Hrs.
400KV	Karad - Kolhapur - II	2-Jan-13	16.35	3-Jan-13	09.44	Over Voltage
400KV	Parli - Chandrapur - III	2-Jan-13	21.13	3-Jan-13	08.50	To Control Parli-Lonikand Line Loading
400KV	Wardha - Akola - I	2-Jan-13	13.08	2-Jan-13	15.18	Over Voltage
400KV	Wardha (PG) - Warora - I	2-Jan-13	12.27	2-Jan-13	13.51	DT Received at Warora during Bus changing at Wardha
400KV	Dhule-Sar'Sarovar - I	2-Jan-13	22.04		Continued.	Over Voltage
400KV	Wardha - Akola - II	2-Jan-13	22.10	3-Jan-13	07.01	Over Voltage
400KV	Warora- Tirora -II	2-Jan-13	12.57	3-Jan-13	00.48	Due to Tripping of Warora-Wardha PG
400KV	765 KV Wardha-Seoni II	3-Jan-13	17.46		Continued.	Over Voltage.
400KV	Karad - Kolhapur - I	3-Jan-13	02.11	3-Jan-13	07.05	Over Voltage
400KV	Padgha-Bhoisor (PGCIL)	3-Jan-13	00.18	3-Jan-13	02.31	R Phase CT Red Hot
400KV	400/220 KV 300 MVA ICT-I @ Koradi	3-Jan-13	11.53		Continued.	Erection testing of fire fighting system.
400KV	Karad - Kolhapur - II	3-Jan-13	16.37	4-Jan-13	09.13	Over Voltage.
400KV	Karad-New Koyna II	3-Jan-13	18.26	4-Jan-13	09.30	Over Voltage.
400KV	Karad - Kolhapur - I	3-Jan-13	21.11	4-Jan-13	08.45	Over Voltage.
400KV	Akola-Aurangbad Ckt-II Tie Bkr.	3-Jan-13	12.15	3-Jan-13	19.27	BKR Pressure witch repl & other maint work.
400KV	Padgha-Bhoisor (PGCIL)	3-Jan-13	19.54	3-Jan-13	22.25	R-Ph. CT Red Hot.
400KV	Kalwa - Padgha - I	3-Jan-13	09.06	6-Jan-13	19.35	Repl of 29C isolator under Jica II Upto 06.01.2013
400KV	Main Bus- I @ Jejuri	3-Jan-13	09.30	3-Jan-13	17.33	Testing and Maint.work.
400KV	Lonikand- Koyna Stage IV	3-Jan-13	23.57	4-Jan-13	07.58	Over Voltage.
400KV	Akola - Wardha - I	3-Jan-13	23.29	4-Jan-13	07.10	Over Voltage.
400KV	400/220 KV 315 MVA ICT-II @ Nagothane.	4-Jan-13	12.03		Continued.	CTR work.
400KV	Karad - Kolhapur - I	4-Jan-13	16.11	5-Jan-13	08.39	Over Voltage.
400KV	Karad - Kolhapur - II	4-Jan-13	16.24	5-Jan-13	08.42	Over Voltage.
400KV	Bhusawal- Aurangabad	4-Jan-13	16.39	5-Jan-13	09.47	Over Voltage.
400KV	Chandrapur - Parli - III	4-Jan-13	21.04		Continued.	Over Voltage.
400KV	Kalwa - Padgha - II	4-Jan-13	15.14	4-Jan-13	17.17	Dist.protection B-Ph to E.
400KV	400/220 KV 315 MVA ICT - I @ Aurangabad	4-Jan-13	10.58	4-Jan-13	17.32	Maintenance work.
400KV	Akola-Aurangabad-II	4-Jan-13	23.12	5-Jan-13	06.50	Over Voltage.
400KV	Akola - Wardha - II	4-Jan-13	22.55	5-Jan-13	06.55	Over Voltage.
400KV	Karad - Kolhapur - I	5-Jan-13	17.37	6-Jan-13	09.03	Over Voltage.
400KV	Bhusawal- Aurangabad	5-Jan-13	17.19		Continued.	Over Voltage.
400KV	Karad - Kolhapur - II	5-Jan-13	17.10	6-Jan-13	10.41	Over Voltage.
400KV	Lonikand- Koyna Stage IV	5-Jan-13	22.05	6-Jan-13	08.42	Over Voltage
400KV	Dhule - Babhaleshwar - I	5-Jan-13	22.31	6-Jan-13	07.25	Over Voltage.
400KV	Bus Coupler at Bhuswal	6-Jan-13	21.22	6-Jan-13	22.06	Bus bar protection operated.
400KV	Karad-Kolhapur-II	6-Jan-13	16.28		Continued.	Over Voltage.
400KV	Kalwa-Padgha-II	6-Jan-13	14.54	6-Jan-13	17.11	Distance protection operated.
400KV	Koradi - Indiabull (Nandgaonpeth)	6-Jan-13	16.19	6-Jan-13	16.48	DT.received at Koradi.

400KV	Karad - Kolhapur - I	6-Jan-13	21.37		Continued.	Over Voltage.
400KV	Karad-Jaigad I	6-Jan-13	21.35		Continued.	Over Voltage.
400KV	Lonikand - Koyna Stage IV	6-Jan-13	21.40	7-Jan-13	07.03	Over Voltage.
400KV	Akola - Bhusawal	6-Jan-13	21.22	6-Jan-13	22.11	Distance protection zone 2.
400KV	Koradi - Bhusawal	6-Jan-13	21.22	6-Jan-13	22.17	Bus bar protection operated.
400KV	Babaleshwar - Bhusawal	6-Jan-13	21.22	6-Jan-13	22.18	Bus bar protection operated.
400KV	400/132KV 200 MVA ICT- I @ Bhusawal	6-Jan-13	21.22	6-Jan-13	22.16	Bus bar protection operated.
400KV	Main Bus - I @ Bhusawal	6-Jan-13	21.22	6-Jan-13	22.06	Bus bar protection operated.
400KV	Bhusawal - Deepnagar - I	6-Jan-13	21.22		Continued.	Due to B ph CT burst.
400KV	Babaleshwar - Dhule - II	6-Jan-13	23.42	7-Jan-13	05.54	Over Voltage.
400KV	Padgha - Nagothane- II	6-Jan-13	23.59	7-Jan-13	06.41	DT received at Nagothane.
400KV	Bhusawal 400KV Reactor	6-Jan-13	21.22	6-Jan-13	22.06	Bus bar protection.
220KV	220/132KV 100 MVA ICT-I at Dondaicha	22-Dec-12	19.17	1-Jan-13	18.35	Main buchoiz relay operated.
220KV	Kalwa - Borivili	28-Dec-12	15.40	1-Jan-13	15.01	Isolator replacement work Taken on TBC.
220KV	Chinchwad-Urse	31-Dec-12	07.48	31-Dec-12	18.43	Tower Work
220KV	Talandge - Sawantwadi	31-Dec-12	09.15	31-Dec-12	13.49	Stringing work
220KV	Talanga-de-Ichalkaranji I	31-Dec-12	10.14	31-Dec-12	18.03	Q.M.Work
220KV	Ambazari - Abhijeet	31-Dec-12	11.49	31-Dec-12	14.31	Hot Spot
220KV	Usmanabad-Barshi	31-Dec-12	09.58	31-Dec-12	16.38	CT Junction Box R phase wire damaged
220KV	220/132 KV 200 MVA ICT-II at Chikhli	31-Dec-12	11.30	1-Jan-13	02.27	Hot Spot
220KV	220/132 KV 100 MVA ICT - II at Balapur	31-Dec-12	16.07	1-Jan-13	14.01	Oil Leakage
220KV	Bus Coupler at Aarey	1-Jan-13	09.29	1-Dec-12	14.29	Annual maint work.
220KV	Chinchwad-Urse	1-Jan-13	08.27	1-Jan-13	18.26	Erection Work
220KV	Kandalgaon - Sona Alloy	1-Jan-13	11.14	1-Jan-13	20.00	Clearance of Line
220KV	Karad - Vita - I	1-Jan-13	09.35	1-Jan-13	13.20	Q.M.Work
220KV	220/100KV 100 MVA T/F- I @ Tambati	1-Jan-13	11.00	3-Jan-13	18.25	Bus Section-I Outage
220KV	Tambati-Pedambe	1-Jan-13	11.00	2-Jan-13	18.50	Bus-I Outage
220KV	Main Bus Sec. - I at Tambati	1-Jan-13	11.00	3-Jan-13	11.40	Oil Work
220KV	Parly - Harangool - I	1-Jan-13	10.41	1-Jan-13	15.41	Q.M.Work
220KV	220/132 KV 100 MVA ICT - I at Balapur	1-Jan-13	14.04	2-Jan-13	16.42	Oil Filtration
220KV	220/66 KV 50 MVA T/F - I @ Warora	1-Jan-13	14.49	1-Jan-13	22.50	REF Diff Relay
220KV	220/66 KV 50 MVA T/F - II @ Warora	1-Jan-13	14.49	1-Jan-13	15.14	Over Current
220KV	220/66 KV 50 MVA T/F - II @ Warora	1-Jan-13	17.16	1-Jan-13	17.24	Back Up Over Current E/F
220KV	Pusad - Bhugaon	1-Jan-13	23.54	2-Jan-13	14.10	Distance Protection(Declared Faulty)
220KV	Trombay - Tata Tie - I	2-Jan-13	07.04	4-Jan-13	18.46	Maintenance work up to 04/01/2013
220KV	Bale - Lamboti I	2-Jan-13	10.00	2-Jan-13	14.58	Q.M.Work
220KV	Bale-Lamboti II	2-Jan-13	15.21	2-Jan-13	22.40	Q.M.work
220KV	Vita - Lamboti	2-Jan-13	13.26	2-Jan-13	22.37	R Phase W/T replacement
220KV	Kharghar-TSS	2-Jan-13	13.08	2-Jan-13	16.14	Distance Protection
220KV	Hingoli-Pusad	2-Jan-13	00.01	2-Jan-13	14.15	To Control Wardha-Yavatmal Line Loading
220KV	Nasik - Navsari - II	2-Jan-13	09.25	2-Jan-13	20.43	To Crimp Repair Sleeves in Place of damaged Conductor
220KV	220/132KV 200MVA ICT-II at Ambazari	2-Jan-13	10.30	2-Jan-13	13.10	oil Leakage
220KV	220/132 KV 200 MVA ICT - II @ Beed	2-Jan-13	11.15	2-Jan-13	15.35	Relay Testing
220KV	Aurangabad-Shendra	3-Jan-13	11.10	3-Jan-13	14.13	CRM DCRM of C.B.(Ckt charged through TBC)
220KV	Main Bus at Theur	3-Jan-13	02.43	3-Jan-13	03.52	Y Phase CT Burst of 220KV Theur-Lonikand-I Line B/R Operated
220KV	Lonikand-Theur - I	3-Jan-13	02.43	3-Jan-13	20.30	Y phase CT Burst at Theur
220KV	Kalmeshwar-Nippon	3-Jan-13	09.55	3-Jan-13	13.28	R-Ph IVT Repl at 220KV NDNRO S/S.
220KV	220/132KV 100 MVA ICT-I @Padegaon	3-Jan-13	11.15	3-Jan-13	20.06	Repl of 220KV & 132KV CT.
220KV	Pophali - KDPH	3-Jan-13	09.08	3-Jan-13	17.25	Oil leakage of line Bkr.
220KV	220/132 KV 100 MVA T/F - II @ Satara MIDC	3-Jan-13	09.45	3-Jan-13	17.55	Oil leakage attending by cold welding and maint work
220KV	Main Bus-I at 400KV Chakan.	3-Jan-13	10.54	3-Jan-13	18.55	Bus maint and PT testing work.
220KV	Vita - Miraj	3-Jan-13	12.54	3-Jan-13	13.56	Signature analysis test.
220KV	Chinchwad-Urse	4-Jan-13	08.02	4-Jan-13	16.06	Jumpering work.
220KV	220/100KV 200MVA ICT-I at Kalwa	4-Jan-13	10.05	5-Jan-13	16.52	Maintenance work.
220KV	Mudshingi-Chikodi	4-Jan-13	17.40	5-Jan-13	17.52	Dist Protection.
220KV	Tarapur - Boiser	4-Jan-13	10.54	4-Jan-13	15.19	Maintenance work.
220KV	Jambhul - Anandnagar	4-Jan-13	09.16	4-Jan-13	18.42	Jumpering work.
220KV	Karad-Pophali-II	4-Jan-13	10.00	4-Jan-13	15.05	Jumpering work.
220KV	Dhule - Malegaon	4-Jan-13	10.19	4-Jan-13	14.03	Q.M.Work
220KV	Ghatghar-Jindal	4-Jan-13	10.01	4-Jan-13	17.05	Attending hot spot.
220KV	Mahad-Pasco	4-Jan-13	11.39	4-Jan-13	15.30	Maintenance work.
220KV	Chandrapur-Wani	4-Jan-13	16.50	5-Jan-13	00.30	R-Ph CT Burst at Wani end.
220KV	BLSR-Chalisgaon	4-Jan-13	11.42	4-Jan-13	14.38	Repl of flashover insulator.
220KV	Babaleshwar - Alephata	4-Jan-13	12.20	4-Jan-13	15.34	V.T Supply Fail.
220KV	Babaleshwar - Nagar - I	4-Jan-13	11.27	4-Jan-13	12.50	Dist protection.
220KV	220 KV Main Bus @ Mahad	4-Jan-13	12.05	4-Jan-13	14.35	Maintenance Work.
220KV	Chandrapur - Warora	4-Jan-13	09.02	4-Jan-13	12.50	Measurement of R ph CT tan delta.
220KV	Babaleshwar - Alephata	5-Jan-13	02.39	5-Jan-13	03.22	Distance protection.
220KV	Babaleshwar - Bhenda	5-Jan-13	09.09	5-Jan-13	17.10	Q.M.Work
220KV	Babaleshwar-Nasik-II	5-Jan-13	10.56	5-Jan-13	18.17	New wave trap and cc erection and commissioning work.
220KV	Main Bus - I @ Varsova	5-Jan-13	09.56	5-Jan-13	16.45	Annual maint work.

220KV	Theur - Magarpatta	5-Jan-13	09.02	5-Jan-13	15.49	Maintenance work.
220KV	Reymond-OCR Nasik	5-Jan-13	10.10	5-Jan-13	15.31	Maintenance work.
220KV	Main Bus at Hinjewadi	5-Jan-13	10.20	5-Jan-13	13.26	Maintenance work.
220KV	Trombay-Dharavi-V	5-Jan-13	06.00	6-Jan-13	17.30	MMRDA Work.
220KV	Trombay Salsette-Dharavi-9	5-Jan-13	06.00	6-Jan-13	13.30	MMRDA Work.
220KV	Kalwa-Trombay	5-Jan-13	15.39	5-Jan-13	18.15	To attend Hot Spot on B-Ph CT.
220KV	Main Bus at Nanded	5-Jan-13	08.04	5-Jan-13	13.11	Maintenance work.
220KV	Chandrapur-Wani	5-Jan-13	20.00	5-Jan-13	21.58	E/O. on Bus Sec.I
220KV	Trombay-Kharghar	6-Jan-13	08.53		Continued.	Remover of jumper.
220KV	Main Bus-II at Trombay.	6-Jan-13	09.11	6-Jan-13	14.56	Bus-2 outage.
220KV	Main Bus - I @ Varsova	6-Jan-13	09.20	6-Jan-13	16.05	Annual maintenance.
220KV	220/132KV 150MVA ICT @ Boisor	6-Jan-13	13.30		Continued.	Repl. of LV side breaker LV side taken on TBC.
220KV	Main Bus - II @ Apta	6-Jan-13	07.38	6-Jan-13	08.16	B ph CC of Uran-II burst, jumper came in arcing zone of bus; bus bar protection operated
220KV	Apta-Uran-II	6-Jan-13	07.38	6-Jan-13	12.55	Bus bar protection operated.
220KV	Apta - Tambali	6-Jan-13	07.38	6-Jan-13	08.16	Bus bar protection operated.
220KV	Apta-Kalwa	6-Jan-13	07.38	6-Jan-13	08.50	Bus bar protection operated.
220KV	Apta-Bombay Dyeing	6-Jan-13	07.38	6-Jan-13	09.06	Bus bar protection operated.
220KV	220/100KV 200MVA ICT-III at Apta	6-Jan-13	07.38	6-Jan-13	08.51	Bus bar protection operated.
220KV	220/100KV 200MVA ICT-IV at Apta.	6-Jan-13	07.38	6-Jan-13	09.10	Bus bar protection operated.
220KV	Apta-HOC	6-Jan-13	07.38	6-Jan-13	08.45	Bus bar protection operated.
220KV	Chakan - Mahindra Vechicles	6-Jan-13	21.00	7-Jan-13	03.36	Distance protection.
132KV	Girwali - Renapur	1-Jan-13	14.37	1-Jan-13	16.16	Conductor Snapped Near Hatoda Village
132KV	Girwali - Latur MIDC	1-Jan-13	14.42	1-Jan-13	15.28	Conductor Snapped Near Hatoda Village
132KV	Pench-Mansar	1-Jan-13	19.27	1-Jan-13	20.20	Distance Protection
132KV	Gangakhed - Kandhar	4-Jan-13	02.55	4-Jan-13	03.15	Distance protection.
132KV	Pench-Mansar	5-Jan-13	10.25	5-Jan-13	15.20	Insulator replacement.
132KV	132KV Bus at Nanded	5-Jan-13	12.15	5-Jan-13	13.11	Bursting of 132KV Ardhapur Ckt.Bkr.Y-Ph Pole.
132KV	Mazalgaon-Mahesh Sugar Ind.	5-Jan-13	16.38	5-Jan-13	16.40	First Time Charge.
132KV	Girwali - Gangakhed	6-Jan-13	18.01		Continued.	Distance protection.
100KV	Kandalgaon - Mhasale	13-Dec-12	08.10	2-Jan-13	13.35	Breaker Repairing Work (Till 03/01/13)
100KV	Chinchwad - Talegaon	31-Dec-12	08.15	31-Dec-12	15.14	Tower Work