

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 14-Jan-13 To 20-Jan-13

Date	Monday 14-Jan-13	Tuesday 15-Jan-13	Wednesday 16-Jan-13	Thursday 17-Jan-13	Friday 18-Jan-13	Saturday 19-Jan-13	Sunday 20-Jan-13
On Line Capacity (MW)							
MSPGCL THM	4661	4700	4828	5516	5685	5284	5141
MSPGCL HY	1162	1162	1232	1218	1083	1084	1144
MSPGCL GAS	480	400	400	480	480	520	520
MSPGCL TOTAL	6303	6262	6460	7214	7248	6888	6805
Cent. Sect.(incl. RGPPL)	4402	4337	4288	4306	4278	4374	4388
MSPGCL + CS	10705	10599	10748	11520	11526	11262	11193
TPCL	1627	1877	1877	1877	1877	1627	1377
REL	500	500	500	500	500	500	500
TPCL + REL	2127	2377	2377	2377	2377	2127	1877
CPP	1470	1470	1470	1468	1468	1475	1485
STATE OLC	14302	14446	14595	15365	15371	14864	14555
Morning Peak Demand (MW)	11 Hrs	11 Hrs	12 Hrs	10 Hrs	11 Hrs	11 Hrs	11 Hrs
MSPGCL THM	4636	5004	5342	5535	5227	5241	4961
MSPGCL HY	1607	1394	828	737	655	773	1035
MSPGCL GAS	472	411	474	496	494	496	493
MSPGCL TOTAL	6715	6809	6644	6768	6376	6510	6489
Cent. Sect.(incl. RGPPL)	4906	4833	4882	4589	4839	4928	4850
Wind	31	17	97	244	356	135	95
CPP	2571	2445	2418	2466	2297	1979	2452
TPCL Asst	-333	-327	-392	-336	-415	-227	-275
MSEDCL Catered	13930	13777	13667	13731	13453	13325	13611
Load Shedding (LS)	566	571	676	596	296	646	582
MSEDCL Demand(Incl LS)	14496	14348	14343	14327	13749	13971	14193
TPCL + REL Dem.	2433	2458	2550	2316	2475	2172	1773
State Demand (Incl LS)	16929	16806	16893	16643	16224	16143	15966
Sys. Freq. (Hz)	50.03	49.92	49.96	50.17	50.1	50.03	49.94
Evening Peak Demand (MW)	17 Hrs	17 Hrs	17 Hrs	20 Hrs	20 Hrs	17 Hrs	17 Hrs
MSPGCL THM	4612	5108	5437	5525	5042	5107	5080
MSPGCL HY	678	669	284	210	349	545	289
MSPGCL GAS	468	423	476	498	500	474	482
MSPGCL TOTAL	5758	6200	6197	6233	5891	6126	5851
Cent. Sect.(incl. RGPPL)	4632	4957	4295	4276	4078	4488	4223
Wind	100	20	60	754	173	16	46
CPP	2416	2446	2290	2252	2223	2098	2256
TPCL Asst	-340	-413	-265	-471	-456	-319	-172
MSEDCL Catered	12566	13210	12577	13094	11959	12409	12204
Load Shedding (LS)	531	492	483	0	40	509	550
MSEDCL Demand(Incl LS)	13097	13702	13060	13094	11999	12918	12754
TPCL + REL Dem.	2359	2460	2360	2409	2324	2006	1576
State Demand (Incl LS)	15456	16162	15420	15503	14323	14924	14330
Sys. Freq. (Hz)	50.11	49.98	50.07	50.16	49.88	49.93	50.04

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	14-Jan-13	TO	20-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	14-Jan-2013		15-Jan-2013		16-Jan-2013		17-Jan-2013		18-Jan-2013		19-Jan-2013		20-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	7	5	7	5	*	5	*
3	KHAPERKHEDA	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	PARALI	7,4	*	7,4	*	7,4	*	7,4	*	7,4	*	7,4	*	7,4	*
5	CHANDRAPUR	*	2,6	*	6	*	6	*	*	*	*	*	*	*	*
6	BHUSAVAL	*	4	*	4	*	4	*	*	*	*	*	2,4	*	2,4
7	PARAS	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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(+) UNDREDRAWL(-)	
		MUs	AVG. MW	MUs	AVG. MW	MUs	AVG. MW	MUs	AVG. MW	MUs	AVG. MW
		1		2		1+2=3		4		3-4=5	
14-Jan-2013	MONDAY	63.549	2648	41.408	1725	104.957	4373	106.478	4437	1.521	63
15-Jan-2013	TUESDAY	63.333	2639	40.653	1694	103.986	4333	104.564	4357	0.578	24
16-Jan-2013	WEDNESDAY	62.505	2604	40.113	1671	102.618	4276	102.685	4279	0.067	3
17-Jan-2013	THURSDAY	62.603	2608	39.002	1625	101.605	4234	97.576	4066	-4.029	-168
18-Jan-2013	FRIDAY	61.179	2549	38.088	1587	99.267	4136	98.507	4104	-0.760	-32
19-Jan-2013	SATURDAY	68.665	2861	32.696	1362	101.361	4223	101.697	4237	0.336	14
20-Jan-2013	SUNDAY	59.649	2485	40.577	1691	100.226	4176	98.493	4104	-1.733	-72
	TOTAL	441.483		272.537		714.020		710.000		-4.020	

Details of Koyna Water Consumption (In TMC)

DATE	For the Day	For the Month	Balance
14-Jan-13	0.172	1.874	25.145
15-Jan-13	0.174	2.048	24.971
16-Jan-13	0.100	2.148	24.871
17-Jan-13	0.045	2.193	24.826
18-Jan-13	0.041	2.234	24.785
19-Jan-13	0.076	2.310	24.709
20-Jan-13	0.084	2.394	24.625

Supply Position During Evening Peak (MW)

Date	Time	MSEDCL Generation				Central Sector Receipt	WIND	CPP	TPCL Exch	MSEDCL Cateder 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
14-Jan-13	17	4612	678	468	5758	4632	100	2416	-340	12566	531	13097	1491	528	14925	15456	50.11
15-Jan-13	17	5108	669	423	6200	4957	20	2446	-413	13210	492	13702	1519	528	15670	16162	49.98
16-Jan-13	17	5437	284	476	6197	4295	60	2290	-265	12577	483	13060	1566	529	14937	15420	50.07
17-Jan-13	20	5525	210	498	6233	4276	754	2252	-471	13094	0	13094	1410	528	15503	15503	50.16
18-Jan-13	20	5042	349	500	5891	4078	173	2223	-456	11959	40	11999	1339	529	14283	14323	49.88
19-Jan-13	17	5107	545	474	6126	4488	16	2098	-319	12409	509	12918	1159	528	14415	14924	49.93
20-Jan-13	17	5080	289	482	5851	4223	46	2256	-172	12204	550	12754	876	528	13780	14330	50.04
Maximum		5525	678	500	6233	4957	754	2446	-172	13210	550	13702	1566	529	15670	16162	50.16
Minimum		4612	210	423	5758	4078	16	2098	-471	11959	0	11999	876	528	13780	14323	49.88
Average		5130	432	474	6037	4421	167	2283	-348	12574	372	12946	1337	528	14788	15160	50.02

Supply Position During Morning Peak (MW)

Date	Time	MSEDCL Generation				Central Sector Receipt	WIND	CPP	TPCL Exch	MSEDCL Cateder 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
14-Jan-13	11	4636	1607	472	6715	4906	31	2571	-333	13930	566	14496	1570	530	16363	16929	50.03
15-Jan-13	11	5004	1394	411	6809	4833	17	2445	-327	13777	571	14348	1603	528	16235	16806	49.92
16-Jan-13	12	5342	828	474	6644	4882	97	2418	-392	13667	676	14343	1629	529	16217	16893	49.96
17-Jan-13	10	5535	737	496	6768	4589	244	2466	-336	13731	596	14327	1451	529	16047	16643	50.17
18-Jan-13	11	5227	655	494	6376	4839	356	2297	-415	13453	296	13749	1531	529	15928	16224	50.10
19-Jan-13	11	5241	773	496	6510	4928	135	1979	-227	13325	646	13971	1429	516	15497	16143	50.03
20-Jan-13	11	4961	1035	493	6489	4850	95	2452	-275	13611	582	14193	968	530	15384	15966	49.94
Maximum		5535	1607	496	6809	4928	356	2571	-227	13930	676	14496	1629	530	16363	16929	50.17
Minimum		4636	655	411	6376	4589	17	1979	-415	13325	296	13749	968	516	15384	15966	49.92
Average		5135	1004	477	6616	4832	139	2375	-329	13642	562	14204	1454	527	15953	16515	50.02

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
14-Jan-13	110.489	12.200	10.578	0.227	133.494	106.478	104.957	2.002	55.357	26.764	12.549	-7.900	289.431	31.619	15.592	336.642
15-Jan-13	120.747	12.009	9.843	0.213	142.812	104.564	103.986	1.390	54.938	27.469	12.123	-9.121	294.583	32.463	16.247	343.293
16-Jan-13	127.019	9.076	10.982	0.258	147.335	102.685	102.618	2.792	53.456	29.376	11.937	-7.303	298.963	32.533	16.082	347.578
17-Jan-13	130.662	5.261	11.858	0.116	147.897	97.576	101.605	8.562	53.161	28.757	11.726	-8.142	299.054	32.531	16.090	347.675
18-Jan-13	122.847	6.491	11.728	0.122	141.188	98.507	99.267	7.762	51.079	27.366	11.560	-8.060	290.475	31.357	15.628	337.460
19-Jan-13	121.043	8.047	11.986	0.156	141.232	101.697	101.361	3.377	46.112	24.346	11.773	-6.173	286.245	28.009	14.277	328.531
20-Jan-13	118.931	8.616	11.932	0.030	139.509	98.493	100.226	3.435	52.275	19.418	11.832	-5.917	287.795	24.579	12.586	324.960
Maximum	130.662	12.200	11.986	0.258	147.897	106.478	104.957	8.562	55.357	29.376	12.549	-5.917	299.054	32.533	16.247	347.675
Minimum	110.489	5.261	9.843	0.030	133.494	97.576	99.267	1.390	46.112	19.418	11.560	-9.121	286.245	24.579	12.586	324.960
Average	121.677	8.814	11.272	0.160	141.924	101.429	102.003	4.189	52.340	26.214	11.929	-7.517	292.364	30.442	15.215	338.020

MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LTD.

Maharashtra State Load Despatch Centre, Kalwa

Information for Weekly Cabinet Meeting

For the Week

14-Jan-13

to

20-Jan-13

Demand Supply Summary

	Morning Peak (MW)	Evening Peak (MW)
Average Peak Demand	14204	12946
Average Peak Supply	13642	12574
Average Load Relief (LS)	562	372

Average Supply Summary

	Morning Peak (MW)	Evening Peak (MW)	Mus
Thermal	5135	5130	121.68
Gas	477	474	11.27
Hydro	1004	432	8.81
CS Drawal (Total)	4832	4421	101.43
TPCL	-329	-348	-7.52

Koyna Water position

	Water in TMC Feet
Average Water Used Per Day	0.099
Balance Left	24.625
Balance Left Last Year Same Week	18.642

MSPGCL Unit Outage Position

Date	MSPGCL (in MW)		
	Planned	Forced	Total
14-Jan-13	660	1210	1870
15-Jan-13	660	1000	1660
16-Jan-13	660	1000	1660
17-Jan-13	660	210	870
18-Jan-13	660	210	870
19-Jan-13	660	710	1370
20-Jan-13	660	710	1370

Distressed Load Shedding

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

GENERATING UNIT OUTAGES FOR THE WEEK

FROM 14-Jan-13 TO 20-Jan-13

UNIT UNDER PLANNED OUTAGE

name	unit_no	derat_cap	date_trip	time_trip	date_sync	time_sync	reasondes
Koradi	Unit 5	200	16-Sep-12	04.23		Continued.	C.O.H.
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	15-Jan-13	06.17	Boiler recertification.
Parli	Unit 7	250	22-Dec-12	20.46		Continued.	w/dn for water shortage
Cent_Sect	Tarapur 2	80	31-Dec-12	17.05		Continued.	Refuelling work
Koyna	Unit 3	75	17-Jan-13	08.15		Continued.	Water Leakage.
Koyna	Unit 4	75	17-Jan-13	07.25		Continued.	Injector metal filling.
Tata	Trombay 6	500	19-Jan-13	23.27		Continued.	Economy Shutdown.

UNIT UNDER FORCED OUTAGE

name	unit_no	derat_cap	date_trip	time_trip	date_sync	time_sync	reason
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.
Dabhol	3A	230	3-Dec-12	21.23		Continued.	Gas Shortage
Dabhol	3X	290	3-Dec-12	21.21		Continued.	Gas Shortage
Dabhol	2B	230	3-Jan-13	13.29		Continued.	Gas shortage.
Chandrapur	Unit 2	210	9-Jan-13	05.51	14-Jan-13	18.31	Reheater T/L.
Uran	Unit 8	108	9-Jan-13	12.48		Continued.	Gas Shortage.
CPP	WPCL U-4	135	11-Jan-13	13.42		Continued.	Bottom ash problem.
Chandrapur	Unit 6	500	11-Jan-13	20.13	16-Jan-13	09.09	Boiler tube leakage.
Bhusawal	Unit 4	500	11-Jan-13	19.11	16-Jan-13	11.45	Boiler tube leakage.
Bhusawal	Unit 5	500	14-Jan-13	00.46	14-Jan-13	03.31	Drum level very high.
Khaparkheda	Unit 5	500	14-Jan-13	00.42	14-Jan-13	03.32	Preheater protection operated.
Uran	Unit B0	120	14-Jan-13	17.06	14-Jan-13	20.26	Control Valve Problem
Uran	Unit 7	108	14-Jan-13	17.07	14-Jan-13	17.19	Boiler Protection
Koyna	Unit 8	80	15-Jan-13	07.05	15-Jan-13	18.00	Maintance work
Hydro	GhatgharU1	125	15-Jan-13	21.45	15-Jan-13	23.00	Shaft Flow Low
Koradi	Unit 7	210	16-Jan-13	10.35	18-Jan-13	20.57	Boiler Tube Leakage.
Bhusawal	Unit 5	500	17-Jan-13	18.16	20-Jan-13	05.27	Steam Temp Low.
Bhusawal	Unit 4	500	18-Jan-13	10.29	21-Jan-13	05.40	Boiler tube leakage.
CPP	Adani	660	18-Jan-13	21.54	19-Jan-13	14.35	Due to Wardha(PG)400KV Warora Tripped.
Bhusawal	Unit 2	210	19-Jan-13	02.42	20-Jan-13	20.43	Boiler tube leakage.
Bhusawal	Unit 5	500	20-Jan-13	11.06	20-Jan-13	15.07	Class A protection operated.
Chandrapur	Unit 4	210	20-Jan-13	09.24		Continued.	Boiler tube leakage.
CPP	WPCL U-2	135	20-Jan-13	12.56	20-Jan-13	19.04	Steam drain line problem.

LINE OUTAGES FOR THE WEEK

FROM 14-Jan-13 TO 20-Jan-13

Voltage	Name	date_trip	time_trip	date_sync	time_sync	Reason
400KV	Kolhapur-Solapur(PGCIL)-I	26-Dec-12	18.21	16-Jan-13	10.21	Over Voltage.
400KV	Chandrapur - Bhadravati - IV	29-Dec-12	21.17	20-Jan-13	13.07	Over Voltage.
400KV	Kolhapur - Mapusa - II	10-Jan-13	16.11	17-Jan-13	15.27	Over Voltage.
400KV	Dhule-Sar'Sarovar - II	10-Jan-13	13.01	14-Jan-13	10.47	Earth Wire Work.(ready for charging 22.30Hrs dt.10.01.2013)
400KV	Kalwa-Kharghar	11-Jan-13	08.19	14-Jan-13	18.50	Repl of 29C isolator at Kalwa under JICA-II.up to 14.01.2013.
400KV	Bhusawal- Aurangabad	12-Jan-13	17.18	15-Jan-13	07.12	Over Voltage.
400KV	Chandrapur - Parli - III	13-Jan-13	16.50	15-Jan-13	07.23	H/T to attend R ph.pole of breakeer's oil leakage at Parli end.Ready for charging at 19.44 Hrs.
400KV	Karad - Kolhapur - II	13-Jan-13	18.06	15-Jan-13	09.45	Over Voltage.
400KV	Lonikand- Koyna Stage IV	13-Jan-13	21.33	14-Jan-13	07.31	Over Voltage.
400KV	Karad - Kolhapur - I	13-Jan-13	16.12	14-Jan-13	10.11	Over Voltage.
400KV	Koradi-Satpur	13-Jan-13	08.19	14-Jan-13	08.23	Crossing of 765 Tiroda-Koradi-I from 765 KV Switch yard of Adani.Ready for charging at 19.44 Hrs.
400KV	Akola - Wardha - I	13-Jan-13	21.51	14-Jan-13	05.31	Over Voltage.
400KV	Padgha - Nagothane- II	14-Jan-13	00.30	14-Jan-13	08.57	Over Voltage.
400KV	Dhule - S'Sarovar- II	14-Jan-13	17.06	16-Jan-13	12.46	Over Voltage
400KV	Main Bus-II @ Kolhapur	14-Jan-13	12.18	16-Jan-13	16.46	Replacement of R&B Phase CVT
400KV	Bus Coupler @ 400 KV Kolhapur	14-Jan-13	12.18	16-Jan-13	16.46	Main Bus-II Outage
400KV	Karad - Kolhapur - I	14-Jan-13	16.59	15-Jan-13	08.27	Over Voltage
400KV	Lonikand- Koyna Stage IV	14-Jan-13	22.01	15-Jan-13	06.17	Over Voltage
400KV	Padgha - Nagothane- II	15-Jan-13	00.58	15-Jan-13	07.16	Over Voltage
400KV	400/220KV,315MVA ICT-I at Karad	15-Jan-13	10.12	15-Jan-13	19.31	Q.M.Work
400KV	Karad - Kolhapur - II	15-Jan-13	17.03	16-Jan-13	09.38	Over Voltage
400KV	Bhusawal- Aurangabad	15-Jan-13	17.47	16-Jan-13	07.10	Over Voltage
400KV	Karad - Kolhapur - I	15-Jan-13	21.54	16-Jan-13	07.26	Over Voltage
400KV	Kalwa-Kharghar	15-Jan-13	18.28	15-Jan-13	18.53	Distance Protection
400KV	Kalwa - Lonikand	15-Jan-13	18.28	16-Jan-13	07.12	Distance protection(ready for charging 02.30Hrs/16-1-2013)
400KV	400/220 KV 10S MVA Spare ICT Unit @ Bhusawal - II	15-Jan-13	09.51		Continued.	Replacement of Old Not working CT
400KV	Padgha - Nagothane - I	16-Jan-13	02.24	16-Jan-13	07.16	Over Voltage
400KV	400 KV Bus I at Khaparkhedha	16-Jan-13	09.16	16-Jan-13	18.07	Maintenance of Bus-I Isolator & Tan Delta Measurement of Bus CVT.
400KV	Parli - Lamboti	16-Jan-13	21.42	17-Jan-13	06.19	Over Voltage.
400KV	Karad-Kolhapur-II	16-Jan-13	16.11	18-Jan-13	10.09	Over Voltage.
400KV	Bhusawal- Aurangabad	16-Jan-13	17.14	18-Jan-13	07.20	Over Voltage.
400KV	Karad - Kolhapur - I	16-Jan-13	17.50	17-Jan-13	09.26	Over Voltage.
400KV	Chandrapur - Parli - III	16-Jan-13	21.46	18-Jan-13	07.13	Over Voltage.
400KV	Karad - Solapur (PGCIL)	16-Jan-13	10.50	17-Jan-13	08.57	Replacement of Insulator.
400KV	Bus Reactor @ Kolhapur	16-Jan-13	13.21	16-Jan-13	18.56	Reactor Testing Work.
400KV	Dhule-Sar'Sarovar - I	16-Jan-13	22.18		Continued.	Over Voltage.
400KV	Kalwa - Padgha - II	17-Jan-13	08.40	20-Jan-13	18.04	Repl of 29C' Isolator,Under JICA-II.
400KV	400/220KV,315 MVA ICT-I At Lonikand.	17-Jan-13	09.24	17-Jan-13	19.38	Main tank oil leakage & CB testing work.
400KV	Lonikand- Koyna Stage IV	17-Jan-13	21.21	18-Jan-13	06.49	Over Voltage.
400KV	Kolhapur-Solapur (PG) II	17-Jan-13	13.49		Continued.	Over Voltage.
400KV	Kolhapur - Mapusa - I	17-Jan-13	16.45	19-Jan-13	11.10	Over Voltage.
400KV	Parli - Solapur (PGCIL) - I	17-Jan-13	13.55	17-Jan-13	19.23	Repl of Y-Ph CVT.
400KV	Chandrapur - Bhadravati-IV	17-Jan-13	11.52	17-Jan-13	17.55	Work at Bvati end.
400KV	TBC at Dhule	17-Jan-13	10.25	17-Jan-13	15.30	Tan delta of CT,Q.M.Work of CT.
400KV	Karad - Kolhapur - I	17-Jan-13	23.16	18-Jan-13	07.15	Over Voltage.
400KV	Akola - Bhusawal	18-Jan-13	08.38	19-Jan-13	06.18	R.M.Work.Ready for charging at 18.12 Hrs.
400KV	400/220KV 315MVA ICT- I @ Kharghar	18-Jan-13	09.10	18-Jan-13	20.49	Oil leakage of R ph. unit.
400KV	400/220 KV 600 MVA ICT- II @ Kalwa	18-Jan-13	08.29		Continued.	Replacement of R ph.T/F.(Outage upto 03.02.2013)
400KV	Lonikand- Koyna Stage IV	18-Jan-13	12.03	18-Jan-13	12.37	Distance protection.
400KV	Bhusawal- Aurangabad	18-Jan-13	16.10		Continued.	Over Voltage.
400KV	Karad - Kolhapur - II	18-Jan-13	16.36		Continued.	Over Voltage.
400KV	Karad - Kolhapur - I	18-Jan-13	21.00	19-Jan-13	07.54	Over Voltage.
400KV	Padgha - Nagothane- II	18-Jan-13	21.18	20-Jan-13	08.41	Over Voltage.
400KV	Lonikand- Koyna Stage IV	18-Jan-13	23.03	20-Jan-13	08.41	Over Voltage.Outage (RFC 18.22Hrs)
400KV	Warora- Tirora -II	18-Jan-13	22.03	19-Jan-13	14.34	Due to Wardha(PG)400KV Warora trip.
400KV	Wardha (PG) - Warora - I	18-Jan-13	21.54	19-Jan-13	06.56	Tripped on Over Voltage.DT received at Warora.
400KV	Warora - Tiroda - II	18-Jan-13	22.03	19-Jan-13	14.34	H/T,Warora-Wardha tripped.
400KV	Koradi-Satpur	19-Jan-13	04.59	19-Jan-13	05.30	Tripped at Satpur end oly.
400KV	Nagothane-Dabhol-I	19-Jan-13	04.49	19-Jan-13	08.26	Over Voltage.
400KV	400/220KV 315 MVA ICT III at Bhusawal	19-Jan-13	09.37	20-Jan-13	00.13	SFRA monitoring and taking CTR make fire Prevention Sys.in service.
400KV	Nagothane-Dabhol-I	19-Jan-13	12.18	20-Jan-13	08.45	CVT testing work.Ready for charging at 17.50 hrs.
400KV	Kolhapur - Mapusa - I	19-Jan-13	17.39		Continued.	Over Voltage.
400KV	Karad - Kolhapur - II	19-Jan-13	16.23		Continued.	Over Voltage.
400KV	Karad - Kolhapur - I	19-Jan-13	21.41	20-Jan-13	07.48	Over Voltage.
400KV	400/220KV,315MVA ICT-I at Karad	19-Jan-13	06.42	19-Jan-13	11.52	B ph.PG isolator sparking.

400KV	Padgha - Nagothane - I	20-Jan-13	02.27	20-Jan-13	08.41	Over Voltage.
400KV	400/220/33KV,500 MVA ICT-I At Kalwa	20-Jan-13	12.44	20-Jan-13	13.02	Transformer passing work.
400KV	Karad - Kolhapur - I	20-Jan-13	16.38		Continued.	Over Voltage.
400KV	Chandrapur - Bhadravati - IV	20-Jan-13	17.07		Continued.	Over Voltage.
400KV	Dhule - Babhaleshwar - I	20-Jan-13	22.20		Continued.	Over Voltage.
220KV	Kharghar - Kalwa	19-Oct-12	08.55	17-Jan-13	18.40	Mumbai Strengthening work
220KV	Trombay - Tifil	2-Dec-12	08.19	15-Jan-13	23.06	Mumbai Strengthening work(Till 31/1/2013)
220KV	Trombay-Kharghar	6-Jan-13	08.53	15-Jan-13	23.05	Remove of jumper(work completed)
220KV	Kolhapur - Peth	9-Jan-13	11.02	14-Jan-13	17.50	Breaker Replacement
220KV	Kalwa - Salsset - IV	11-Jan-13	11.20	14-Jan-13	15.07	Breaker overhauling work.Repl B isolator on TBC up to 14.01.2013.
220KV	220/132 KV 100 MVA ICT - I at Balapur	13-Jan-13	14.20	16-Jan-13	17.37	Buchholz alarm received.
220KV	220/132 KV 100 MVA ICT - II at Balapur	13-Jan-13	15.18	16-Jan-13	17.49	Buchholz alarm received.
220KV	Badnera-Akola Ckt.I	14-Jan-13	11.08	14-Jan-13	15.06	Replacement of Disc Insulator
220KV	220/132 KV 200 MVA ICT - I @ Akola	14-Jan-13	10.15	14-Jan-13	17.44	Oil Leakage
220KV	Nivali-Nkoyna	14-Jan-13	09.27	14-Jan-13	17.50	Cold Washing Insulator
220KV	Nasik - Airoli - Knowledge Park	14-Jan-13	22.57	15-Jan-13	11.44	Red Hot on Breaker Pole(Taken on TBC)at Nasik end
220KV	Aarey - Borivali	14-Jan-13	16.18	14-Jan-13	17.00	Over Current
220KV	Nasik - Navsari - II	14-Jan-13	16.16	14-Jan-13	18.12	Distance Protection
220KV	220/132KV 200MVA ICT-IV at Tilwani	14-Jan-13	09.56	18-Jan-13	13.00	Q.M.Work(charge from HV Side at 16.48 Hrs kept on Humming)
220KV	220/110 KV 100 MVA T/F - II @ @ Wathar	14-Jan-13	10.00	14-Jan-13	12.45	Q.M.Work
220KV	220/132KV 200MVA ICT-II at Mudshingi	14-Jan-13	10.04	16-Jan-13	11.00	Q.M.Work
220KV	Karad - Ogalewadi - II	15-Jan-13	09.49	15-Jan-13	15.28	Q.M.Work
220KV	M'Peth -Vankuswade	15-Jan-13	10.30	15-Jan-13	18.11	Replacement of B Phase W.T.
220KV	Vankushwadi - MIDC Satara - I	15-Jan-13	11.32	15-Jan-13	17.35	Isolator Maint.work
220KV	Pophali-New Koyna	15-Jan-13	13.45	15-Jan-13	15.24	Tree cutting work
220KV	Kalwa - Tifil	15-Jan-13	17.48	15-Jan-13	17.49	Normalization of 220KV Trombay-Tifil line
220KV	Kalwa-Mulund-I	15-Jan-13	18.28	15-Jan-13	19.06	Distance Protection
220KV	220/132KV,100 MVA T/F-I at Oglewadi.	15-Jan-13	16.17	15-Jan-13	20.15	L.A.Replacement work
220KV	220/100KV 100 MVA ICT- I @ Tambati	15-Jan-13	14.10	15-Jan-13	15.55	Oil Leakage
220KV	Khaperkheda - Wardha.	15-Jan-13	08.46	16-Jan-13	08.01	Replacement of Wave Trap
220KV	Gadchandur-Virur-II	15-Jan-13	11.52	15-Jan-13	14.56	Hot Spot
220KV	Parly - Harangool - II	15-Jan-13	10.27	15-Jan-13	16.18	Replacement of Jumper
220KV	220/132KV 100MVA ICT-I at Amalner	15-Jan-13	11.20	15-Jan-13	15.54	Servicing of HV Main CB
220KV	Badnera - Deoli (PGCIL)	16-Jan-13	10.30	16-Jan-13	16.25	Tan Delta Measurment & Q.M.Work.
220KV	220/132KV,200MVA ICT-III At Nanded.	16-Jan-13	14.28	16-Jan-13	18.40	Relay & C T Testing Work.
220KV	Urse-Talegaon	16-Jan-13	10.05	16-Jan-13	15.33	Isolator Alignment.
220KV	Chinchwad-Parvati	16-Jan-13	11.28	16-Jan-13	17.50	Replacement of Insulator.
220KV	Mahape - Tifil	16-Jan-13	11.37	17-Jan-13	14.56	Destringing of Loc 46-27 of Kalwa-Kharghar.
220KV	Karad-Pophali	16-Jan-13	09.22	16-Jan-13	18.10	Replacement of Insulator String.
220KV	Theur-Jejuri	16-Jan-13	10.16	16-Jan-13	18.37	L A Replacement.
220KV	220/100KV 200MVA ICT-I at Mudshingi	16-Jan-13	11.45		Continued.	Oil Leakage & Maint.Work.
220KV	220/132 KV 150 MVA ICT- II @ Nasik	16-Jan-13	09.37	16-Jan-13	17.21	Red Hot.
220KV	220 KV Bus Sec.Breaker @ Kalwa	16-Jan-13	17.16	16-Jan-13	17.53	Isolator Jaw Y Ph. of 220 KV Bus Section.
220KV	Kalwa - Borivali	16-Jan-13	16.16	16-Jan-13	16.25	Trip @ Klv End Without Indication.
220KV	Kalwa-Airoli-Knowledge park	16-Jan-13	16.16	16-Jan-13	16.28	Trip @ KAP End.
220KV	Kalwa-Airoli-Knowledge park	16-Jan-13	16.49	16-Jan-13	17.05	Trip @ KAP End.
220KV	Bus Coupler @ Bhandup GIC	16-Jan-13	16.16	16-Jan-13	16.46	R Phase O/C.
220KV	Borivali - Salsset - I	16-Jan-13	16.16	16-Jan-13	16.20	Trip @ Salssette End.
220KV	Kalwa - Borivali	16-Jan-13	23.20	17-Jan-13	01.22	Hot Spot.
220KV	220/22 KV T/F - III @ Mahad	16-Jan-13	09.20	16-Jan-13	10.22	R Ph. B/C Bkr Pole Burst.
220KV	Borivali (MSETCL) - Borivali(TATA)-II	16-Jan-13	16.16	16-Jan-13	22.45	Y Phase C T Jumper Open.
220KV	Borivali (M) - Borivali (T) - I	16-Jan-13	16.50	16-Jan-13	20.20	D/P, R & Y Phase.
220KV	Theur - Flagship	17-Jan-13	08.13	17-Jan-13	19.31	Line Signature test.
220KV	Chinchwad-Flagship	17-Jan-13	09.41	17-Jan-13	16.12	Tree Cutting.
220KV	Bhigwan-Kurkum	17-Jan-13	09.16	17-Jan-13	18.00	Repl of wave trap.
220KV	Karad-Pophali	17-Jan-13	09.45	17-Jan-13	18.13	Repl of insulator string.
220KV	220/132 KV ICT- I Nasik GCR	17-Jan-13	09.47	17-Jan-13	13.06	Hot Spot.
220KV	220/132 KV 100 MVA T/F - 6 @ Chinchwad	17-Jan-13	09.53	17-Jan-13	15.30	Providing 220KV Y-Ph LA.
220KV	Nigade - Peth	17-Jan-13	09.12		Continued.	Repl of Bkr under JICA Ph-II.
220KV	220 KV main bus-II at 400KV Chakan	17-Jan-13	08.00	17-Jan-13	18.08	Bus Maint & Bus PT Testing Work.
220KV	Kharepatan-Pawas	17-Jan-13	13.25	17-Jan-13	13.45	Earth Fault.
220KV	Versova-Boiser	17-Jan-13	17.49	17-Jan-13	19.47	Dist.Protestion.
220KV	Deepnagar - Bambhori	17-Jan-13	10.50	17-Jan-13	13.13	Tan delta measurement of CT.
220KV	Amalner-Bambhori	17-Jan-13	14.01	17-Jan-13	16.00	Tan delta measurement of CT.
220KV	Virur - Railway TSS-I	17-Jan-13	12.45	17-Jan-13	15.10	Tan delta measurement.
220KV	Virur - Railway TSS-II	17-Jan-13	15.44	17-Jan-13	17.00	Tan delta measurement.
220KV	HALF BUS SEC.I At Yawatmal	17-Jan-13	09.42	17-Jan-13	15.16	Repl of high bus faulty suspension and tension string of 220/33KV,50MVA T/F-I.
220KV	Hingoli-Pusad	17-Jan-13	09.36	17-Jan-13	15.22	In View of 220KV Half Bus Sec.outage at Y'mal.
220KV	Wardha - Yawatmal	17-Jan-13	09.42	17-Jan-13	15.16	In View of 220KV Half Bus Sec.outage at Y'mal.
220KV	Road side bus at Kalwa	18-Jan-13	08.32	18-Jan-13	14.33	Road side bus maintenancce work.
220KV	Kalwa-Temghar	18-Jan-13	08.15	18-Jan-13	15.37	Aux.isolator alignment.

220KV	Karad-Pophali	18-Jan-13	09.15	18-Jan-13	18.23	Replacement of insulator.
220KV	220/100KV.100MVA ICT-II at Vasai	18-Jan-13	09.56	18-Jan-13	16.46	Testing work.
220KV	Wada-Kolshet	18-Jan-13	10.10	18-Jan-13	16.53	Replacement of insulator.
220KV	Kalwa-Taloja	18-Jan-13	08.30	18-Jan-13	15.54	PG clamp replacement.
220KV	Trombay-Mulund	18-Jan-13	08.16	18-Jan-13	11.59	Relay testing.
220KV	Kolhapur-Karad-IV	18-Jan-13	07.43	18-Jan-13	13.38	Distance protection.
220KV	Vita - Lamboti	18-Jan-13	10.19	18-Jan-13	16.40	Over loading.
220KV	Ambazari - Abhijeet	18-Jan-13	10.08	18-Jan-13	16.25	Replacement of R ph LA.
220KV	Badnera-Rly.TSS - I	18-Jan-13	10.37	18-Jan-13	17.18	Repl of B ph.CT.
220KV	220/132 KV 100 MVA ICT - I at Balapur	18-Jan-13	14.44		Continued.	Work buchholz relay.
220KV	Gadchandur-Virur-I	18-Jan-13	12.25	18-Jan-13	17.00	Tan delta measurement work.
220KV	Khaparkheda-Kawlewada-I	18-Jan-13	07.53	18-Jan-13	18.06	Replacement of earthwire.
220KV	220/132 KV 200 MVA ICT -IV. at Padegaon.	18-Jan-13	10.05	18-Jan-13	18.10	Half yearly main.work.
220KV	Khaparkheda-Kawlewada-I	18-Jan-13	22.47	20-Jan-13	17.14	Distance protection-Z1.
220KV	220/132.100 MVA ICT-2 @ Malegaon.	18-Jan-13	09.30	18-Jan-13	15.22	Q.M.Work
220KV	220/132 KV 200 MVA ICT - I @ Babaleshwar	19-Jan-13	09.10	19-Jan-13	13.10	Q.M.Work
220KV	Padgha-Jambhul	19-Jan-13	09.59	19-Jan-13	17.22	Hot Spot.
220KV	Karad-Pophali	19-Jan-13	10.05	19-Jan-13	18.45	Repl of insulator.
220KV	Magarpatta - Sirum	19-Jan-13	10.22	19-Jan-13	14.48	Half Yearly Maint.
220KV	Dahanu - Ghodbandar - I	19-Jan-13	09.36	19-Jan-13	17.17	Repl of insulator.
220KV	Pirangut-Hirjewadi	19-Jan-13	10.12	19-Jan-13	17.55	Half Yearly Maint.
220KV	Raymond-Washela	19-Jan-13	10.02	19-Jan-13	17.40	Q.M.Work
220KV	220/132 KV 200 MVA ICT-II @ Nagar.	19-Jan-13	10.25	19-Jan-13	16.55	Q.M.Work
220KV	Lonand - Bothe (Surwadi)	19-Jan-13	11.35	20-Jan-13	19.08	WT.CC Jump Connection.
220KV	220/132 KV 200 MVA ICT - II @ Raymand	19-Jan-13	12.08	19-Jan-13	14.59	Q.M.Work and Oil leakage attending.
220KV	Kandalgaon - Dasturi	19-Jan-13	12.30	20-Jan-13	01.42	Distance Protection.
220KV	Solapur(PG)-South Solhapur-II	19-Jan-13	08.35	19-Jan-13	18.35	Rectification work on 220KV line side isolator.
220KV	220KV Main Bus at Gadchchandur	19-Jan-13	13.20	19-Jan-13	16.10	PID Testing work.
220KV	Chakan-Volkswagen	20-Jan-13	08.26	20-Jan-13	18.08	Line construction work.
220KV	Kalwa - Borivali	20-Jan-13	07.46	20-Jan-13	13.14	Hot spot attending work.
220KV	Dahanu-Ghodbandar-II	20-Jan-13	09.46	20-Jan-13	15.28	Replacement of procilien insulator.
220KV	Borivali-Tata Borivali 4	20-Jan-13	13.20	20-Jan-13	17.24	GIS roof work in vicinity of line at Tata-Borivali end.
220KV	Lonand - Jejuri	20-Jan-13	14.46	20-Jan-13	14.52	Bus bar protection operated.
220KV	Lonand - SonaAlloys	20-Jan-13	14.46	20-Jan-13	15.01	Bus bar protection operated.
220KV	Lonand - Baramati	20-Jan-13	14.46	20-Jan-13	15.05	Bus bar protection operated.
220KV	Lonand - Baramati	20-Jan-13	17.16	20-Jan-13	18.06	To check distance relay.
220KV	Solapur(PG)-South Solapur-I	20-Jan-13	10.15	20-Jan-13	17.13	Rectification work of isolator.
132KV	Girwali - Kej	14-Jan-13	12.22	14-Jan-13	12.44	Distance Protection
132KV	Palghar-TSS I	15-Jan-13	11.03	15-Jan-13	13.45	Breaker SF6 Leakage
132KV	Anravati - Lalkhedi	15-Jan-13	15.13	15-Jan-13	15.33	Distance Protection
132KV	Akola - Durugwada	15-Jan-13	15.13	15-Jan-13	15.42	Over Current
132KV	Anravati - Morshi	15-Jan-13	12.35	15-Jan-13	14.10	Replacement of LA
132KV	Achalpur - Anjangaon	17-Jan-13	12.15	17-Jan-13	12.20	Distance Protection.
132KV	Paras-Akot	17-Jan-13	12.20	17-Jan-13	12.44	Distance Protection.
132KV	Mazalgaon-Mahesh Sugar Ind.	17-Jan-13	14.10	17-Jan-13	15.50	Distance Protection.
100KV	Apta-Musco-I	16-Jan-13	16.49	16-Jan-13	17.00	FTR,(Maloperation).
100KV	Apta-Musco-II	16-Jan-13	16.49	16-Jan-13	17.01	FTR,(Maloperation).
100KV	Apta - Bhokarwadi	16-Jan-13	16.49	16-Jan-13	16.50	FTR,(Maloperation).
100KV	Apta - Khopoli	16-Jan-13	16.49	16-Jan-13	16.58	FTR,(Maloperation).