

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 10-Jun-13 To 16-Jun-13

Date	Monday 10-Jun-13	Tuesday 11-Jun-13	Wednesday 12-Jun-13	Thursday 13-Jun-13	Friday 14-Jun-13	Saturday 15-Jun-13	Sunday 16-Jun-13
On Line Capacity (MW)							
MSPGCL THM	3595	3600	4020	4110	3935	3025	3180
MSPGCL HY	1221	1221	1091	1091	1091	1091	1230
MSPGCL GAS	430	450	430	430	430	380	430
MSPGCL TOTAL	5246	5271	5541	5631	5456	4496	4840
Cent. Sect.(incl. RGPPL)	4053	4060	3965	4079	4051	4233	3543
MSPGCL + CS	9299	9331	9506	9710	9507	8729	8383
TPCL	1827	1877	1877	1877	1877	1877	1627
REL	500	500	500	500	500	500	500
TPCL + REL	2327	2377	2377	2377	2377	2377	2127
CPP	2191	2323	2116	2148	2311	2721	2802
STATE OLC	13817	14031	13999	14235	14195	13827	13312
Morning Peak Demand (MW)	12 Hrs	12 Hrs	11 Hrs	10 Hrs	11 Hrs	11 Hrs	11 Hrs
MSPGCL THM	3620	3642	4097	4104	3744	2843	3010
MSPGCL HY	413	124	473	123	173	135	291
MSPGCL GAS	302	430	417	446	438	435	415
MSPGCL TOTAL	4335	4196	4987	4673	4355	3413	3716
Cent. Sect.(incl. RGPPL)	3752	4503	3719	4563	4009	4438	3849
Wind	826	801	719	779	983	1260	845
CPP	3171	3025	2988	3035	2840	2573	2561
TPCL Asst	-945	-941	-745	-791	-1116	-767	-660
MSEDCL Catered	11149	11584	11668	12259	11071	10920	10336
Load Shedding (LS)	61	64	90	56	78	56	60
MSEDCL Demand(Incl LS)	11210	11648	11758	12315	11149	10976	10396
TPCL + REL Dem.	2682	2954	2878	2607	2791	2643	2005
State Demand (Incl LS)	13892	14602	14636	14922	13940	13619	12401
Sys. Freq. (Hz)	49.9	50.2	49.97	50.21	49.96	50.02	50.41
Evening Peak Demand (MW)	20 Hrs	21 Hrs	21 Hrs	20 Hrs	21 Hrs	20 Hrs	21 Hrs
MSPGCL THM	3789	4106	4375	3803	3139	3385	3107
MSPGCL HY	245	323	399	443	298	416	577
MSPGCL GAS	420	414	426	452	399	417	242
MSPGCL TOTAL	4454	4843	5200	4698	3836	4218	3926
Cent. Sect.(incl. RGPPL)	4084	4300	4013	3903	3791	3895	3324
Wind	765	892	994	1051	1516	998	1080
CPP	3249	3113	2837	2978	2766	2798	2953
TPCL Asst	-650	-1046	-578	-949	-869	-873	-618
MSEDCL Catered	11928	12107	12473	11707	11064	11062	10690
Load Shedding (LS)	58	57	63	60	80	113	96
MSEDCL Demand(Incl LS)	11986	12164	12536	11767	11144	11175	10786
TPCL + REL Dem.	2493	2625	2569	2647	2440	2409	2144
State Demand (Incl LS)	14479	14789	15105	14414	13584	13584	12930
Sys. Freq. (Hz)	49.85	50.05	49.99	49.98	49.97	49.99	49.99

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	10-Jun-13	TO	16-Jun-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	10-Jun-2013		11-Jun-2013		12-Jun-2013		13-Jun-2013		14-Jun-2013		15-Jun-2013		16-Jun-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	*	*	*	*	*	*	*	*	*	*	*	5	*	*
2	KORADI	*	5,7	*	5	*	5	*	5	*	5	*	5	*	5
3	KHAPERKHEDA	4	*	4	*	4	*	4	*	4	1	4	1	4	*
4	PARALI	3,4,5,6,7	*	3,4,5,6,7	*	3,4,5,6,7	*	3,4,5,6,7	*	3,4,5,6,7	*	3,4,5,6,7	*	3,4,5,6,7	*
5	CHANDRAPUR	*	5	*	5	*	*	*	*	*	*	*	*	*	4
6	BHUSAVAL	*	4	*	2,4	*	4	*	4	*	4	*	4	*	2,4
7	PARAS	*	*	*	4	*	4	*	*	*	*	*	*	*	*

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		TOTAL INTER STATE BILATERAL PURCHASE		TOTAL SHARE		TOTAL DRAWL		OVERDRAWL(+) UNREDRAWL(-)	
		MUs	AVG. MW	MUs	AVG. MW	MUs	AVG. MW	MUs	AVG. MW	MUs	AVG. MW
		1		2		1+2=3		4		3-4=5	
10-Jun-2013	MONDAY	90.168	3757	-5.418	-226	84.750	3531	86.732	3614	1.982	83
11-Jun-2013	TUESDAY	96.547	4023	-7.935	-331	88.612	3692	93.976	3916	5.364	224
12-Jun-2013	WEDNESDAY	93.218	3884	-7.412	-309	85.806	3575	89.601	3733	3.795	158
13-Jun-2013	THURSDAY	88.719	3697	-4.080	-170	84.639	3527	90.117	3755	5.478	228
14-Jun-2013	FRIDAY	86.287	3595	-5.484	-229	80.803	3367	78.047	3252	-2.756	-115
15-Jun-2013	SATURDAY	77.623	3234	-5.411	-225	72.212	3009	83.420	3476	11.208	467
16-Jun-2013	SUNDAY	78.673	3278	-9.619	-401	69.054	2877	77.447	3227	8.393	350
	TOTAL	611.235		-45.359		565.876		599.340		33.464	

Details of Koyna Water Consumption (In TMC)

DATE	For the Day	For the Month	Balance
10-Jun-13	0.035	1.114	66.386
11-Jun-13	0.033	1.147	66.353
12-Jun-13	0.043	1.190	66.310
13-Jun-13	0.037	1.227	66.273
14-Jun-13	0.035	1.262	66.238
15-Jun-13	0.032	1.294	66.206
16-Jun-13	0.037	1.331	66.169

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
10-Jun-13	20	3789	245	420	4454	4084	765	3249	-650	11928	58	11986	1414	429	14421	14479	49.85
11-Jun-13	21	4106	323	414	4843	4300	892	3113	-1046	12107	57	12164	1177	402	14732	14789	50.05
12-Jun-13	21	4375	399	426	5200	4013	994	2837	-578	12473	63	12536	1467	524	15042	15105	49.99
13-Jun-13	20	3803	443	452	4698	3903	1051	2978	-949	11707	60	11767	1205	493	14354	14414	49.98
14-Jun-13	21	3139	298	399	3836	3791	1516	2766	-869	11064	80	11144	1046	525	13504	13584	49.97
15-Jun-13	20	3385	416	417	4218	3895	998	2798	-873	11062	113	11175	1124	412	13471	13584	49.99
16-Jun-13	21	3107	577	242	3926	3324	1080	2953	-618	10690	96	10786	1129	397	12834	12930	49.99
Maximum		4375	577	452	5200	4300	1516	3249	-578	12473	113	12536	1467	525	15042	15105	50.05
Minimum		3107	245	242	3836	3324	765	2766	-1046	10690	57	10786	1046	397	12834	12930	49.85
Average		3672	386	396	4454	3901	1042	2956	-798	11576	75	11651	1223	455	14051	14126	49.97

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
10-Jun-13	12	3620	413	302	4335	3752	826	3171	-945	11149	61	11210	1337	400	13831	13892	49.90
11-Jun-13	12	3642	124	430	4196	4503	801	3025	-941	11584	64	11648	1489	524	14538	14602	50.20
12-Jun-13	11	4097	473	417	4987	3719	719	2988	-745	11668	90	11758	1610	523	14546	14636	49.97
13-Jun-13	10	4104	123	446	4673	4563	779	3035	-791	12259	56	12315	1292	524	14866	14922	50.21
14-Jun-13	11	3744	173	438	4355	4009	983	2840	-1116	11071	78	11149	1274	401	13862	13940	49.96
15-Jun-13	11	2843	135	435	3413	4438	1260	2573	-767	10920	56	10976	1389	487	13563	13619	50.02
16-Jun-13	11	3010	291	415	3716	3849	845	2561	-660	10336	60	10396	948	397	12341	12401	50.41
Maximum		4104	473	446	4987	4563	1260	3171	-660	12259	90	12315	1610	524	14866	14922	50.41
Minimum		2843	123	302	3413	3719	719	2561	-1116	10336	56	10396	948	397	12341	12401	49.90
Average		3580	247	412	4239	4119	888	2885	-852	11284	66	11350	1334	465	13935	14002	50.10

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								MSEDCL	MUMBAI	State
10-Jun-13	88.588	3.711	9.326	0.340	101.965	86.732	84.750	18.422	70.334	26.236	10.080	-16.641	260.812	52.955	313.767
11-Jun-13	90.019	3.122	10.269	0.246	103.656	93.976	88.612	20.546	70.022	26.018	10.746	-19.850	268.350	56.615	324.965
12-Jun-13	97.183	4.938	10.132	0.108	112.361	89.601	85.806	17.665	68.000	27.446	11.297	-18.326	269.296	57.068	326.364
13-Jun-13	95.611	3.640	10.630	0.086	109.967	90.117	84.639	22.005	71.712	25.039	10.833	-20.876	272.925	56.746	329.671
14-Jun-13	84.385	5.330	10.241	0.160	100.116	78.047	80.803	28.432	63.706	24.154	10.418	-20.860	249.441	55.370	304.811
15-Jun-13	73.458	4.454	9.877	0.328	88.117	83.420	72.212	29.160	62.476	24.724	10.431	-17.375	245.798	52.528	298.326
16-Jun-13	74.731	5.820	9.179	0.230	89.960	77.447	69.054	23.233	61.564	21.160	9.527	-14.012	238.192	44.696	282.888
Maximum	97.183	5.820	10.630	0.340	112.361	93.976	88.612	29.160	71.712	27.446	11.297	-14.012	272.925	57.068	329.671
Minimum	73.458	3.122	9.179	0.086	88.117	77.447	69.054	17.665	61.564	21.160	9.527	-20.876	238.192	44.696	282.888
Average	86.282	4.431	9.951	0.214	100.877	85.620	80.839	22.780	66.831	24.968	10.476	-18.277	257.831	53.711	311.542

MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LTD.

Maharashtra State Load Despatch Centre, Kalwa

Information for Weekly Cabinet Meeting

For the Week

10-Jun-13

to

16-Jun-13

Demand Supply Summary

	Morning Peak (MW)	Evening Peak (MW)
Average Peak Demand	11350	11651
Average Peak Supply	11284	11576
Average Load Relief (LS)	66	75

Average Supply Summary

	Morning Peak (MW)	Evening Peak (MW)	Mus
Thermal	3580	3672	86.28
Gas	412	396	9.95
Hydro	247	386	4.43
CS Drawal (Total)	4119	3901	85.62
TPCL	-852	-798	-18.28

Koyna Water position

	Water in TMC Feet
Average Water Used Per Day	0.036
Balance Left	66.169
Balance Left Last Year Same Week	62.467

MSPGCL Unit Outage Position

Date	MSPGCL (in MW)		
	Planned	Forced	Total
10-Jun-13	1340	1410	2750
11-Jun-13	1340	1660	3000
12-Jun-13	1340	950	2290
13-Jun-13	1340	700	2040
14-Jun-13	1340	910	2250
15-Jun-13	1340	1120	2460
16-Jun-13	1340	1120	2460

Distressed Load Shedding

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

GENERATING UNIT OUTAGES FOR THE WEEK

FROM 10-Jun-13 TO 16-Jun-13

UNIT UNDER PLANNED OUTAGE

name	unit_no	derat_cap	date_trip	time_trip	date_sync	time_sync	reasondes
Parli	Unit 4	210	28-Nov-12	02.37		Continued.	water shortage.
Koyna	Unit 12	80	29-Nov-12	08.30		Continued.	A/OH.
Cent_Sect	Tarapur 2	160	31-Dec-12	17.05		Continued.	Refuelling work
Parli	Unit 6	250	25-Jan-13	19.49		Continued.	Water Shortage/AOH from 06.03.2013
Parli	Unit 3	210	13-Feb-13	23.50		Continued.	Water Shortage
Parli	Unit 5	210	14-Feb-13	22.45		Continued.	Water Shortage
Parli	Unit 7	250	17-Feb-13	01.00		Continued.	Water Shortage.
Uran	Unit 8	108	7-May-13	00.15		Continued.	Turbine Blade & Mixing Chamber Work
Cent_Sect	NTPC (V-1)	210	17-May-13	00.15		Continued.	Annual Overhaul
Khaparkheda	Unit 4	210	1-Jun-13	12.31		Continued.	Annual Overhaul
Koyna	Unit 1	75	10-Jun-13	08.30	10-Jun-13	08.31	Maintenance Work.
Chandrapur	Unit 4	210	15-Jun-13	13.33		Continued.	Annual Overhaul

UNIT UNDER FORCED OUTAGE

name	unit_no	derat_cap	date_trip	time_trip	date_sync	time_sync	reason
Dabhol	2B	230	3-Jan-13	13.29		Continued.	Gas shortage.
CPP	Adani U-2	660	22-Apr-13	13.47		Continued.	ID fan problem.
Dabhol	1A	230	23-May-13	12.58		Continued.	Gas Shortage
Dabhol	1X	290	28-May-13	22.02		Continued.	Gas shortage.
Dabhol	3B	230	28-May-13	21.58		Continued.	Gas shortage.
Dabhol	1B	230	28-May-13	22.02		Continued.	Gas shortage.
Koyna	Unit 11	80	4-Jun-13	13.25		Continued.	Rotar Fault.
Dabhol	2A	230	6-Jun-13	09.10		Continued.	Gas Shortage
Dabhol	2X	290	6-Jun-13	09.12		Continued.	Gas Shortage
Koradi	Unit 7	210	7-Jun-13	09.11	10-Jun-13	13.20	Boiler Tube Leakage.
Bhusawal	Unit 4	500	8-Jun-13	22.22		Continued.	Boiler Tube Leakage
Chandrapur	Unit 5	500	8-Jun-13	13.06	11-Jun-13	14.19	Boiler Tube Leakage
CPP	INDIABULLS	270	9-Jun-13	21.26	10-Jun-13	01.14	Pressure Relief Valve Acted
Koradi	Unit 5	200	10-Jun-13	02.52		Continued.	Furnace Pressure High
Uran	Unit 5	108	10-Jun-13	06.21	10-Jun-13	09.48	Bearing vibration high
Paras	Unit 4	250	10-Jun-13	10.02	12-Jun-13	16.17	Boiler Tube Leakage
Koyna	ST-IV 2	250	10-Jun-13	09.30	12-Jun-13	17.00	R.M.Work
Koyna	Unit 4	75	10-Jun-13	08.30	15-Jun-13	22.25	B Phase power T/F Conservator Air cell ballon leakage
CPP	JSW (J) U2	300	12-Jun-13	01.27	12-Jun-13	22.51	Withdrawn Due to Non-Availability of Schedule.
CPP	INDIABULLS	270	12-Jun-13	03.24	12-Jun-13	05.42	Gen.Protection Operated.
Nasik	Unit 3	210	12-Jun-13	04.15	12-Jun-13	06.20	Feeder Gear Problem.
CPP	INDIABULLS	270	12-Jun-13	19.29	13-Jun-13	16.15	Flame Failure.
CPP	WPCL U-4	135	12-Jun-13	03.27		Continued.	Turbine Balancing.
Khaparkheda	Unit 1	210	13-Jun-13	11.50	15-Jun-13	16.37	Coal Mill Problem.
Nasik	Unit 5	210	14-Jun-13	14.59	15-Jun-13	16.20	Generator Prot.operated.
CPP	INDIABULLS	270	14-Jun-13	15.10		Continued.	Flame Failure.
CPP	WPCL U-3	135	14-Jun-13	13.56		Continued.	Flame Failure.
Khaparkheda	Unit 2	210	15-Jun-13	00.39	15-Jun-13	04.51	Flame Failure.
Bhusawal	Unit 2	210	15-Jun-13	23.07		Continued.	Bottom Ash Hopper leakage
Bhusawal	Unit 5	500	16-Jun-13	09.06		Continued.	Stator E/F
Uran	Unit 6	108	16-Jun-13	19.37	17-Jun-13	22.22	solenoid Valve remote trip
CPP	JSW (J) U2	300	17-Jun-13	00.03		Continued.	Withdrawn

LINE OUTAGES FOR THE WEEK

FROM 10-Jun-13 TO 16-Jun-13

Voltage	Name	date_trip	time_trip	date_sync	time_sync	Reason
500KV	HVDC Pole I Padgha	9-Jun-13	05.44	10-Jun-13	08.46	Crossing of 765KV S/C Akola-Aurangabad Ckt-I(Adv.Outage)
500KV	HVDC Pole II Padgha	9-Jun-13	05.44	10-Jun-13	08.47	Crossing of 765KV S/C Akola-Aurangabad Ckt-I(Adv.Outage)
500KV	HVDC Pole I Padgha	10-Jun-13	13.32	10-Jun-13	16.46	OLTC Relay Problem
400KV	Khadka - Deepnagar - II	2-Jun-13	10.49	10-Jun-13	11.05	Over Voltage
400KV	765 KV Wardha - Seoni - I	2-Jun-13	20.11	14-Jun-13	10.20	Over Voltage
400KV	Deepnagar-Aurangabad-II	7-Jun-13	10.57	14-Jun-13	10.29	Taking Oil Samples From Line, Bus Tie for DGA, Ready for charging 15.38Hrs
400KV	Karad - Kolhapur - II	8-Jun-13	00.20	13-Jun-13	08.25	Over Voltage
400KV	Dhule-S'Sarovar I	8-Jun-13	17.42	10-Jun-13	18.52	Distance Protection(Ready for charging from 14.10Hrs)
400KV	New Koyna - Dabhol - I	9-Jun-13	02.20	10-Jun-13	16.28	Over Voltage
400KV	Solapur - Solapur (PG)	9-Jun-13	16.01	10-Jun-13	06.46	Over Voltage
400KV	Karad - Solapur (PGCIL)	9-Jun-13	16.59	10-Jun-13	11.25	Over Voltage
400KV	Koradi-Satpur	9-Jun-13	18.05	10-Jun-13	12.21	Over Voltage
400KV	Dhule - S'Sarovar- II	9-Jun-13	18.15	10-Jun-13	19.48	Over Voltage
400KV	Karad - Kolhapur - I	9-Jun-13	00.14	11-Jun-13	08.50	Over Voltage
400KV	Lonikand- Koyna Stage IV	10-Jun-13	02.55	10-Jun-13	08.24	Over Voltage
400KV	Kolhapur-Solapur (PG) II	10-Jun-13	00.53	10-Jun-13	07.14	Over Voltage
400KV	Solapur - Solapur (PG)	10-Jun-13	17.57	10-Jun-13	19.19	Over Voltage
400KV	400/220 KV 600 MVA ICT - IV @ Padgha	10-Jun-13	11.30	13-Jun-13	13.21	R phase Oil Leakage tripped on Buchholz, Charged on NO Load from H V Side. @ 21.32 on 12.6.13.
400KV	Karad-Jaigad II	10-Jun-13	12.08	11-Jun-13	09.16	Distance Protection
400KV	Parli - Lamboti	10-Jun-13	17.57	11-Jun-13	05.39	Over Voltage
400KV	Kolhapur-Solapur(PGCIL)-I	10-Jun-13	20.26	13-Jun-13	11.19	Over Voltage
400KV	Dabhol - New Koyna - I	10-Jun-13	01.10		Continued.	Over Voltage
400KV	Dhule-Sar'Sarovar - I	10-Jun-13	23.01	14-Jun-13	13.21	Over Voltage
400KV	Khadka - Deepnagar - I	10-Jun-13	11.06		Continued.	Over Voltage
400KV	Lonikand- Koyna Stage IV	11-Jun-13	01.01	11-Jun-13	07.15	Over Voltage
400KV	Karad-Jaigad I	11-Jun-13	00.45	11-Jun-13	06.58	Over Voltage
400KV	Lamboti - Solapur (PGCIL)	11-Jun-13	02.23	11-Jun-13	05.58	Over Voltage
400KV	400/220 KV 105 MVA Spare ICT - I at Nag	11-Jun-13	08.44	11-Jun-13	13.34	Pre Mansoon Maintenance Work.
400KV	Karad-Jaigad II	11-Jun-13	11.41	11-Jun-13	14.37	Distance Protection R Ph. to E.
400KV	Parli - Solapur	11-Jun-13	18.01	11-Jun-13	19.26	Over Voltage.
400KV	400/220 KV 315 MVA ICT- III @ Lonikand.	11-Jun-13	11.25	11-Jun-13	16.35	Taken on TBC To Attend Air Leakage.
400KV	Akola - Aurangabad - II Tie Bay	11-Jun-13	11.32	11-Jun-13	16.21	Q.M. & Testing Work
400KV	Karad - Kolhapur - I	12-Jun-13	00.10	12-Jun-13	09.09	Over Voltage.
400KV	Lonikand- Koyna Stage IV	12-Jun-13	01.13	12-Jun-13	07.40	Over Voltage.
400KV	400/220 KV 315 MVA ICT-II @ Nagothane	12-Jun-13	18.28	12-Jun-13	20.18	LV Side Taken on TBC Due Problem in Breaker.
400KV	Karad-Jaigad II	12-Jun-13	12.07	12-Jun-13	14.52	Distance Protection.
400KV	Karad-Jaigad II	12-Jun-13	15.56	12-Jun-13	19.45	Distance Protection.
400KV	Karad - Kolhapur - I	13-Jun-13	01.00	13-Jun-13	08.17	Over Voltage.
400KV	Karad-Jaigad I	13-Jun-13	03.45	13-Jun-13	07.01	Over Voltage.
400KV	Karad-Jaigad II	13-Jun-13	01.18	13-Jun-13	06.34	Distance Protection.
400KV	Bableshwar-Aurangabad	13-Jun-13	08.28	13-Jun-13	16.57	Repl of broken insulators.
400KV	Chandrapur - Parli - III	13-Jun-13	09.31	14-Jun-13	08.42	Repl of broken insulators.(Ready for charging at 14.40Hrs/13.06.13)
400KV	400/220KV,315MVA ICT-I at Karad	13-Jun-13	10.27	13-Jun-13	13.49	P.M.Work
400KV	400/220 KV 315 MVA ICT- I @ Nagothane	13-Jun-13	11.15	13-Jun-13	12.38	LV taken on TBC to attend hot spot.
400KV	Lonikand - Parli - II	13-Jun-13	12.27	14-Jun-13	08.04	Q.M.Work
400KV	Interconnector at Lonikand II	13-Jun-13	12.31	13-Jun-13	17.55	Q.M.Work
400KV	400/220 KV 315MVA ICT-II @ Karad	13-Jun-13	14.51	13-Jun-13	16.24	P.M.Work
400KV	400/220 KV 315 MVA ICT-II @ Chandrapu	13-Jun-13	16.39	13-Jun-13	17.58	W/D Temp meter fallon ground.
400KV	Warora-Tiroda-I	13-Jun-13	18.38	13-Jun-13	19.20	D/P R-Ph to E.
400KV	Kolhapur-Solapur (PG) II	13-Jun-13	17.07		Continued.	Over Voltage.
400KV	Karad - Kolhapur - I	13-Jun-13	12.31		Continued.	Over Voltage.
400KV	Karad-Kolhapur-II	13-Jun-13	17.02	14-Jun-13	09.17	Over Voltage.
400KV	Parli - Lamboti	13-Jun-13	21.59	14-Jun-13	05.01	Over Voltage.
400KV	Parli - Solapur (PGCIL) - I	13-Jun-13	16.58	13-Jun-13	20.20	Over Voltage.
400KV	Karad-New Koyna II	14-Jun-13	00.30		Continued.	Over Voltage.
400KV	Dhule - S'Sarovar- II	14-Jun-13	00.22	15-Jun-13	20.04	Over Voltage.
400KV	Koradi-Satpur	14-Jun-13	02.02		Continued.	Over Voltage.
400KV	Lamboti - Solapur (PGCIL)	14-Jun-13	03.03	14-Jun-13	06.56	Over Voltage.
400KV	Karad-Jaigad I	14-Jun-13	02.07	14-Jun-13	09.23	Over Voltage.
400KV	400/220KV 500MVA ICT- I at Khaperkheda	14-Jun-13	03.08	14-Jun-13	07.59	Y-Ph OLTC Buchholz.
400KV	Akola - Wardha - I	14-Jun-13	04.06	14-Jun-13	09.07	Over Voltage.
400KV	Deepnagar-Aurangabad-I	14-Jun-13	10.33	16-Jun-13	10.43	Isolator work.(Ready for charging 13.21Hrs.)
400KV	Karad - Kolhapur - II	14-Jun-13	12.40	15-Jun-13	08.46	Over Voltage.
400KV	Solapur-Solapur(PGCIL)	14-Jun-13	21.13	15-Jun-13	07.03	Over Voltage.
400KV	Chandrapur - Parli - III	14-Jun-13	22.09		Continued.	Over Voltage.
400KV	Parli - Lamboti	14-Jun-13	17.03	15-Jun-13	05.59	Over Voltage
400KV	Seoni-Wardha-II 765KV.	14-Jun-13	10.54		Continued.	Over Voltage
400KV	Karad - Solapur (PGCIL)	15-Jun-13	03.08		Continued.	Over Voltage.
400KV	Karad-Jaigad I	15-Jun-13	00.43	15-Jun-13	08.54	Over Voltage.
400KV	Akola - Wardha - I	15-Jun-13	00.35	15-Jun-13	07.25	Over Voltage.
400KV	Akola - Bhusawal	15-Jun-13	01.58	15-Jun-13	08.53	Over Voltage.
400KV	Akola - Indiabull (Nandgaonpeth)	15-Jun-13	01.58		Continued.	Over Voltage.
400KV	Akola - Aurangabad - II	15-Jun-13	01.58	15-Jun-13	07.19	Over Voltage.
400KV	Babaleshwar - Dhule - I	15-Jun-13	01.17	15-Jun-13	07.01	Over Voltage
400KV	400/220KV,315 MVA ICT-I at Kolhapur.	15-Jun-13	11.17	15-Jun-13	16.07	Oil Leakage
400KV	Karad-Kolhapur-II	15-Jun-13	22.04		Continued.	Over Voltage
400KV	Dhule-S'Sarovar I	15-Jun-13	22.55	16-Jun-13	15.27	Over Voltage
400KV	Akola - Wardha - I	16-Jun-13	00.44	16-Jun-13	09.01	Over Voltage
400KV	Akola - Aurangabad - II	16-Jun-13	02.54	16-Jun-13	09.34	Over voltage
400KV	Lonikand- Koyna Stage IV	16-Jun-13	00.37		Continued.	Over Voltage
400KV	Solapur - Solapur (PG)	16-Jun-13	02.18	16-Jun-13	08.28	Over Voltage
400KV	Akola - Wardha - I	16-Jun-13	12.48	16-Jun-13	14.16	Over Voltage
400KV	Akola - Aurangabad - I	16-Jun-13	12.59	16-Jun-13	14.24	Hand Tripped

400KV	Akola - Aurangabad- II	16-Jun-13	22.49		Continued.	Over Voltage
400KV	400/220 KV 500 MVA ICT-I @ Deepnagar	16-Jun-13	22.19	17-Jun-13	01.07	Current variation in all 3 phases
400KV	Dhule - S'Sarovar- II	16-Jun-13	13.04		Continued.	Over Voltage
400KV	Deepnagar-Aurangabad-II	16-Jun-13	10.46		Continued.	Over Voltage
220KV	Paranda-Barshi	25-Apr-13	17.39	10-Jun-13	10.43	Distance protection(Ckt Under Breakdown)
220KV	Kandalgaon-Bhira	8-Jun-13	08.20	11-Jun-13	04.40	Replacement of CB (For 3 Days)
220KV	Ghodbandar - Bhoisor (MSETCL)	9-Jun-13	14.40	10-Jun-13	12.31	Distance Protection
220KV	Mudshingi - Chikodi	9-Jun-13	09.42	11-Jun-13	13.05	Distance protection
220KV	220/132 KV 100 MVA ICT - I @ Amalner	9-Jun-13	17.05	10-Jun-13	08.49	Y Phase LV side CT Burst,Diff.Prot.operated
220KV	Karad-Wathar	10-Jun-13	11.12	10-Jun-13	15.03	Q.M.Work
220KV	Uran - JNPT	10-Jun-13	13.14	10-Jun-13	15.47	Hot Spot
220KV	Pedambe - Tambati	10-Jun-13	13.14	10-Jun-13	14.55	Testing work at Tambati
220KV	220/100 KV,100 MVA ICT-I @ Tambati	10-Jun-13	13.14	10-Jun-13	20.45	O/C & E/F Protection
220KV	Kanhan - Bhandara - I	10-Jun-13	18.47	10-Jun-13	22.24	R phase Jumper open
220KV	220/132KV 200 MVA ICT- I @ Amravati	10-Jun-13	10.39	10-Jun-13	14.53	Oil Leakage
220KV	Talangade - Mudshingi - I	11-Jun-13	07.37	11-Jun-13	10.07	To Attend Fault on Mudsingi Chikodi Line
220KV	Miraj - Tilwani	11-Jun-13	10.09	11-Jun-13	12.44	Q.M.Work.
220KV	Kandalgaon - Sonalloy	11-Jun-13	09.50	11-Jun-13	18.15	Repair Sleeve,Cut Point Nut Bolt Tighting Work.
220KV	220/100 KV,100 MVA ICT-I @ Tambati	11-Jun-13	10.35	11-Jun-13	12.35	Carrying Out R.M.Work.
220KV	Kalwa-Mulund-I	11-Jun-13	14.51	11-Jun-13	16.54	Taken on TBC for Jumper Repl.
220KV	Chandrapur - Rly TSS - I	11-Jun-13	08.31	11-Jun-13	19.05	Main Breaker Overhauling Work.Ckt on TBC.
220KV	New Paras TPS-Alola-II	11-Jun-13	10.31	11-Jun-13	16.35	New Distance Relay Auto Reclosing Trials,Tan Delta Measurment of CT.
220KV	Pusad-Nanded	11-Jun-13	12.00	11-Jun-13	17.00	Disc Insulator Replacement Work by Hot Line Unit.
220KV	220/33 KV 125 MVA T/F - II @ Saki	11-Jun-13	10.47	11-Jun-13	13.20	Pre Mansoon Maintenance Work.
220KV	Bus Section C . B. @ Taloja	11-Jun-13	12.28	11-Jun-13	14.12	Bus Section-II Isolator C B R Ph. Hot Spot Attending Work.
220KV	220 KV 40 MVA ST T/F - IV @ Khaperkhe	11-Jun-13	15.45		Continued.	Oil Filtration & Allied Work 10 Days.
220KV	220/100 KV 200 MVA T/F - I @ Ogalewad	11-Jun-13	14.00	11-Jun-13	15.42	Testing of Relay & Q.M.Work.
220KV	Pedambe - Oni	12-Jun-13	04.27	12-Jun-13	11.34	Distance Protection.
220KV	Nasik - Airoli - Knowledge Park	12-Jun-13	10.07	12-Jun-13	19.07	Replacement of Faulty String.
220KV	Karkumbh-Jeur	12-Jun-13	10.46	12-Jun-13	12.30	Replacement of Flashover Insulator.
220KV	Nagothane - ACCIL	12-Jun-13	11.18	12-Jun-13	15.15	Premansoon,Bay Maint. & Testing Work.
220KV	Pedambe - Oni	12-Jun-13	22.25	13-Jun-13	10.15	Distance Protection.
220KV	Suryalaxmi - Kanhan	12-Jun-13	02.05	12-Jun-13	17.41	B Ph.,PDR Operated,Trip Ckt Faulty,Ckt Taken on TBC.
220KV	Lonikand-Ranjangaon	13-Jun-13	11.09	13-Jun-13	17.14	A/R relay checking.
220KV	Nasik - Ghatghar	13-Jun-13	10.17	13-Jun-13	18.35	Repl of faulty insulator and attending hot spot.
220KV	Jejuri-Jejuri I	13-Jun-13	11.18	13-Jun-13	15.34	Annual testing work.
220KV	Nagothane-PASCO	13-Jun-13	12.17	13-Jun-13	19.08	P.M. & testing work.
220KV	Khargar-Topworth	13-Jun-13	11.33	13-Jun-13	18.00	R.M.Work.
220KV	Bale-Osmanbad	13-Jun-13	12.52	13-Jun-13	15.31	To attend red hot spot.
220KV	ONGC-JNPT	13-Jun-13	10.03	13-Jun-13	19.50	Maintenance work.
220KV	220/132 KV 200 MVA ICT - I @ Akola	13-Jun-13	12.50	13-Jun-13	16.58	Repl.of HV side R-Ph jumper,ICT charged through TBC.
220KV	Dondaicha - Shahada	13-Jun-13	12.05	13-Jun-13	17.22	Punctured disc insulator string replacement.
220KV	Khaparkheda New - Khaparkheda Old - I	13-Jun-13	15.22	13-Jun-13	17.42	Attending hot spot.
220KV	Warora-Wardha	13-Jun-13	14.42	13-Jun-13	16.23	Attending hot spot.
220KV	Aurangabad - Bhenda	13-Jun-13	08.58	13-Jun-13	17.06	To control A'bad ICT loading.
220KV	132/33KV,50MVA T/F I at Nanded	13-Jun-13	20.50		Continued.	33KV feeder R-Ph line isolator jumper broken.
220KV	Ghodbandar - Bhoisor (MSETCL)	14-Jun-13	06.51	14-Jun-13	08.51	To attend red hot spot.
220KV	Kalwa-C'chem	14-Jun-13	08.55	14-Jun-13	13.39	CB Timing.
220KV	Borivali (MSEB)- Borivali (T)	14-Jun-13	08.52	14-Jun-13	11.37	Line Maintenance.
220KV	220/132 KV 200 MVA ICT - II @ Malegaon	14-Jun-13	12.17	14-Jun-13	13.38	Q.M.Work
220KV	220/132KV 200MVA ICT-I at Malegaon	14-Jun-13	09.25	14-Jun-13	12.09	Q.M.Work
220KV	Kalwa - Khargar	14-Jun-13	09.20	14-Jun-13	15.51	Repl.of damaged jumpers.
220KV	Nasik-Bablsr - I	14-Jun-13	10.00	14-Jun-13	18.34	Repl.of faulty insulators & attending hot spot.
220KV	ONGC-JNPT	14-Jun-13	13.02	15-Jun-13	21.55	Line side isolator Repl.under JAICA.
220KV	220/15.75KV 250 MVA G.T.I @ Khaparkhe	14-Jun-13	10.15	14-Jun-13	15.30	Retrofiting of MFM meter.
220KV	220/132 KV 100 MVA ICT - I at Balapur	14-Jun-13	05.32	14-Jun-13	06.11	OSR,OLTC.
220KV	220/132 KV 100 MVA ICT - I at Balapur	14-Jun-13	06.28		Continued.	DC Earth Leakage.
220KV	220/132 KV 100MVA ICT I at Pusad	14-Jun-13	11.37	14-Jun-13	16.15	OLTC Buchholz relay operated.
220KV	220/33 KV 50 MVA T/F @ Warora	14-Jun-13	14.02	14-Jun-13	16.46	PDR.
220KV	Bableshwar - Ahemednagar - I	15-Jun-13	07.55	15-Jun-13	19.37	Stringing of BBLSR-Kudas line
220KV	Bableshwar - Nagar - II	15-Jun-13	07.56	15-Jun-13	19.29	Stringing of BBLSR-Kudas line
220KV	Theur-Phursungi-I	15-Jun-13	09.02	15-Jun-13	13.40	maintenance work
220KV	Hinjawadi-I - Hinjawadi-II	15-Jun-13	10.01	15-Jun-13	18.25	Jumpering at Loc.No.22 to test charge Hinjawadi-II to Infosys line
220KV	Hinjewadi-II - Infosys	15-Jun-13	15.02	15-Jun-13	15.03	Test charging of New D/C line with Bays and 1 number T/F Bay at Infosys
220KV	Hinjewadi-II - Infosys	15-Jun-13	16.02		Continued.	New D/C line with Bays and 1 number T/F Bay at Infosys
220KV	Kalwa - Airoli - Knowledge Park.	15-Jun-13	20.01	15-Jun-13	20.42	Bus Bar Prot.operated
220KV	Bus Section - I @ Airoli Knoweldge Park	15-Jun-13	20.01	15-Jun-13	20.40	Bus Bar Prot.operated
220KV	Tarapur - Borivali	15-Jun-13	10.05	15-Jun-13	11.55	Hot Spot
220KV	Kolhapur-Mudsingi -I	16-Jun-13	19.49	16-Jun-13	21.27	Hot Spot
220KV	Dahanu-Versova	16-Jun-13	08.45	16-Jun-13	12.01	Testing work
220KV	220/100KV,200MVA ICT-I at Borivali.	16-Jun-13	09.15	16-Jun-13	12.59	Maintenance work
220KV	Bhandara - RLY TSS - I	16-Jun-13	15.49	16-Jun-13	17.56	Y Phase to Earth O/C
132KV	Asgaon-Bramhapuri	12-Jun-13	16.21	12-Jun-13	16.50	Distance Protection.
132KV	Waghala-Umri II	12-Jun-13	05.22	12-Jun-13	05.39	Distance Protection Operated Z-I R Ph.
132KV	Kanhan - Mouda	12-Jun-13	13.13	12-Jun-13	14.33	Distance Protection Operated Z-I R-E.
132KV	Elichpur - Hingoli	12-Jun-13	13.55	12-Jun-13	19.10	Distance Protection Operated Z-I @ Loc 104 Y Ph. Jumper Open.
132KV	Ajgaon-Bramhapuri	12-Jun-13	16.21	12-Jun-13	16.50	Distance Protection Operated Z-I R Ph,A A A Energy Generation Affected 10.15 MW,Load Affected 14.41 MW.
132KV	Gangakhed - Prabhani	12-Jun-13	05.15	12-Jun-13	05.35	Distance Protection Operated Z-I R Ph.
132KV	Oglewadi-Maini	14-Jun-13	03.07	14-Jun-13	13.25	Distance Protection.
132KV	Bhandara - Madgi - II	14-Jun-13	04.50	14-Jun-13	05.12	Distance Protection.
132KV	Pusad - Umarched	14-Jun-13	11.37	14-Jun-13	12.10	Tripped at Pusad ICT I,on OLTC,Buchholz.
132KV	Pusad - Gunj	14-Jun-13	11.37	14-Jun-13	12.10	Tripped at Pusad ICT I,on OLTC,Buchholz.
132KV	Paras - Warwat Bakal	14-Jun-13	03.41	14-Jun-13	04.05	Distance Protection.
132KV	Bhandara - Madgi - II	16-Jun-13	15.49	16-Jun-13	21.13	Distance Protection
132KV	Elichpur - Hingoli	16-Jun-13	05.30	16-Jun-13	06.00	Distance Protection