

MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LTD.
Maharashtra State Load Despatch Centre, Kalwa

To,
DSS CONTROL ROOM,
Head Office Mumbai.

Sub: Report of the Power System position for the period 4-Nov-13 To 10-Nov-13

Date	Monday 4-Nov-13	Tuesday 5-Nov-13	Wednesday 6-Nov-13	Thursday 7-Nov-13	Friday 8-Nov-13	Saturday 9-Nov-13	Sunday 10-Nov-13
On Line Capacity (MW)							
MSPGCL THM	4517	4870	4964	4634	4562	4537	3983
MSPGCL HY	1287	1287	1286	1287	1287	1287	1287
MSPGCL GAS	470	470	470	410	280	300	280
MSPGCL TOTAL	6274	6627	6720	6331	6129	6124	5550
Cent. Sect.(incl. RGPPL)	5004	4880	5094	5647	5571	5270	5553
MSPGCL + CS	11278	11507	11814	11978	11700	11394	11103
TPCL	1377	1377	1377	1377	1377	1377	1377
REL	500	500	500	500	500	250	250
TPCL + REL	1877	1877	1877	1877	1877	1627	1627
CPP	2464	2469	2469	3085	3066	3070	2978
STATE OLC	15619	15853	16160	16940	16643	16091	15708
Morning Peak Demand (MW)	12 Hrs	12 Hrs	12 Hrs	12 Hrs	11 Hrs	11 Hrs	12 Hrs
MSPGCL THM	4653	4879	4297	4127	4300	4057	3961
MSPGCL HY	98	129	1103	1008	1119	1093	1146
MSPGCL GAS	457	429	410	400	312	303	267
MSPGCL TOTAL	5208	5437	5810	5535	5731	5453	5374
Cent. Sect.(incl. RGPPL)	4895	4892	5487	6139	6082	5987	5467
Wind	253	420	130	46	59	125	327
CPP	2794	2753	2698	2963	3139	3279	3243
TPCL Asst	-807	-1001	-950	-1060	-1101	-1097	-771
MSEDCL Catered	12366	12525	13185	13648	13921	13756	13692
Load Shedding (LS)	32	60	437	695	660	677	827
MSEDCL Demand(Incl LS)	12398	12585	13622	14343	14581	14433	14519
TPCL + REL Dem.	2175	2339	2794	2824	2793	2501	2016
State Demand (Incl LS)	14573	14924	16416	17167	17374	16934	16535
Sys. Freq. (Hz)	50.21	50.09	50.01	50.05	50.08	49.95	49.96
Evening Peak Demand (MW)	20 Hrs	20 Hrs	17 Hrs	17 Hrs	17 Hrs	17 Hrs	17 Hrs
MSPGCL THM	4571	4482	4241	4120	4296	3774	4000
MSPGCL HY	223	86	885	1216	883	1185	781
MSPGCL GAS	468	435	408	309	306	290	289
MSPGCL TOTAL	5262	5003	5534	5645	5485	5249	5070
Cent. Sect.(incl. RGPPL)	4598	5017	4928	5305	5330	5685	5336
Wind	132	216	101	86	27	83	95
CPP	2519	2458	3023	3116	3232	3279	3161
TPCL Asst	-747	-960	-998	-1000	-1095	-1071	-739
MSEDCL Catered	11776	11746	12621	13179	13019	13244	12970
Load Shedding (LS)	58	61	268	433	481	520	632
MSEDCL Demand(Incl LS)	11834	11807	12889	13612	13500	13764	13602
TPCL + REL Dem.	2387	2476	2703	2755	2787	2471	1927
State Demand (Incl LS)	14221	14283	15592	16367	16287	16235	15529
Sys. Freq. (Hz)	50.07	50.11	49.96	49.89	50.12	49.95	50.1

Chief Engineer
MSLDC, Kalwa

SLDC,KALWA
MSPGCL WEEKLY FORCED & PLANNED UNIT OUTAGES

WEEK	4-Nov-13	TO	10-Nov-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	4-Nov-2013		5-Nov-2013		6-Nov-2013		7-Nov-2013		8-Nov-2013		9-Nov-2013		10-Nov-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
3	KHAPERKHEDA	*	*	*	*	*	*	*	*	*	*	*	*	*	3
4	PARALI	3	*	3	*	3	6	3	6,7	3	6,7	3	6,7	3	6,7
5	CHANDRAPUR	5	1	5	1	5	1	5	*	5	*	5	*	5	4
6	BHUSAVAL	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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		TOTAL INTER STATE BILATERAL PURCHASE		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	
4-Nov-2013	MONDAY	93.600	3900	7.200	300	100.800	4200	107.380	4474	6.580	274
5-Nov-2013	TUESDAY	95.845	3994	8.490	354	104.335	4347	106.770	4449	2.435	101
6-Nov-2013	WEDNESDAY	97.937	4081	11.410	475	109.347	4556	115.713	4821	6.366	265
7-Nov-2013	THURSDAY	99.143	4131	15.730	655	114.873	4786	122.566	5107	7.693	321
8-Nov-2013	FRIDAY	98.324	4097	16.560	690	114.884	4787	118.988	4958	4.104	171
9-Nov-2013	SATURDAY	103.059	4294	15.230	635	118.289	4929	124.192	5175	5.903	246
10-Nov-2013	SUNDAY	100.608	4192	17.430	726	118.038	4918	128.360	5348	10.322	430
	TOTAL	688.516		92.050		780.566		823.969		43.403	

Details of Koyna Water Consumption (In TMC)

DATE	For the Day	For the Month	Balance
4-Nov-13	0.034	0.757	45.855
5-Nov-13	0.034	0.791	45.821
6-Nov-13	0.166	0.957	45.655
7-Nov-13	0.217	1.174	45.438
8-Nov-13	0.150	1.324	45.288
9-Nov-13	0.280	1.604	45.008
10-Nov-13	0.245	1.849	44.763

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												
4-Nov-13	20	4571	223	468	5262	4598	132	2519	-747	11776	58	11834	1117	523	14163	14221	50.07
5-Nov-13	20	4482	86	435	5003	5017	216	2458	-960	11746	61	11807	1052	464	14222	14283	50.11
6-Nov-13	17	4241	885	408	5534	4928	101	3023	-998	12621	268	12889	1181	524	15324	15592	49.96
7-Nov-13	17	4120	1216	309	5645	5305	86	3116	-1000	13179	433	13612	1232	523	15934	16367	49.89
8-Nov-13	17	4296	883	306	5485	5330	27	3232	-1095	13019	481	13500	1173	519	15806	16287	50.12
9-Nov-13	17	3774	1185	290	5249	5685	83	3279	-1071	13244	520	13764	1136	264	15715	16235	49.95
10-Nov-13	17	4000	781	289	5070	5336	95	3161	-739	12970	632	13602	926	262	14897	15529	50.10
Maximum		4571	1216	468	5645	5685	216	3279	-739	13244	632	13764	1232	524	15934	16367	50.12
Minimum		3774	86	289	5003	4598	27	2458	-1095	11746	58	11807	926	262	14163	14221	49.89
Average		4212	751	358	5321	5171	106	2970	-944	12651	350	13001	1117	440	15152	15502	50.03

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												
4-Nov-13	12	4653	98	457	5208	4895	253	2794	-807	12366	32	12398	845	523	14541	14573	50.21
5-Nov-13	12	4879	129	429	5437	4892	420	2753	-1001	12525	60	12585	814	524	14864	14924	50.09
6-Nov-13	12	4297	1103	410	5810	5487	130	2698	-950	13185	437	13622	1320	524	15979	16416	50.01
7-Nov-13	12	4127	1008	400	5535	6139	46	2963	-1060	13648	695	14343	1240	524	16472	17167	50.05
8-Nov-13	11	4300	1119	312	5731	6082	59	3139	-1101	13921	660	14581	1170	522	16714	17374	50.08
9-Nov-13	11	4057	1093	303	5453	5987	125	3279	-1097	13756	677	14433	1140	264	16257	16934	49.95
10-Nov-13	12	3961	1146	267	5374	5467	327	3243	-771	13692	827	14519	982	263	15708	16535	49.96
Maximum		4879	1146	457	5810	6139	420	3279	-771	13921	827	14581	1320	524	16714	17374	50.21
Minimum		3961	98	267	5208	4892	46	2698	-1101	12366	32	12398	814	263	14541	14573	49.95
Average		4325	814	368	5507	5564	194	2981	-970	13299	484	13783	1073	449	15791	16275	50.05

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
4-Nov-13	108.046	3.850	11.368	0.269	123.533	107.380	100.800	4.162	59.378	18.971	11.020	-19.543	274.910	49.567	324.477
5-Nov-13	110.612	3.285	10.797	0.293	124.987	106.770	104.335	7.463	59.649	19.927	11.402	-20.341	278.528	51.366	329.894
6-Nov-13	104.115	9.762	9.827	0.353	124.057	115.713	109.347	3.202	64.891	23.669	11.558	-20.798	287.065	56.025	343.090
7-Nov-13	99.945	11.640	9.011	0.358	120.954	122.566	114.873	2.224	71.335	23.610	11.528	-21.349	295.731	56.484	352.215
8-Nov-13	101.072	13.583	7.567	0.424	122.646	118.988	114.884	1.507	74.585	23.000	11.601	-21.775	295.951	56.375	352.326
9-Nov-13	95.880	14.348	7.207	0.483	117.918	124.192	118.289	2.660	76.715	23.265	6.109	-23.597	297.887	52.969	350.856
10-Nov-13	93.793	12.430	6.842	0.723	113.788	128.360	118.038	5.031	68.886	20.678	6.270	-19.443	296.618	46.389	343.007
Maximum	110.612	14.348	11.368	0.723	124.987	128.360	118.289	7.463	76.715	23.669	11.601	-19.443	297.887	56.484	352.326
Minimum	93.793	3.285	6.842	0.269	113.788	106.770	100.800	1.507	59.378	18.971	6.109	-23.597	274.910	46.389	324.477
Average	101.923	9.843	8.946	0.415	121.126	117.710	111.509	3.750	67.920	21.874	9.927	-20.978	289.527	52.739	342.266

MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LTD.
 Maharashtra State Load Despatch Centre, Kalwa
Information for Weekly Cabinet Meeting

For the Week **4-Nov-13** to **10-Nov-13**

Demand Supply Summary

	Morning Peak (MW)	Evening Peak (MW)
Average Peak Demand	13783	13001
Average Peak Supply	13299	12651
Average Load Relief (LS)	484	350

Average Supply Summary

	Morning Peak (MW)	Evening Peak (MW)	Mus
Thermal	4325	4212	101.92
Gas	368	358	8.95
Hydro	814	751	9.84
CS Drawal (Total)	5564	5171	117.71
TPCL	-970	-944	-20.98

Koyna Water position

	Water in TMC Feet
Average Water Used Per Day	0.161
Balance Left	44.763
Balance Left Last Year Same Week	37.568

MSPGCL Unit Outage Position

Date	MSPGCL (in MW)		
	Planned	Forced	Total
4-Nov-13	710	210	920
5-Nov-13	710	210	920
6-Nov-13	710	460	1170
7-Nov-13	710	500	1210
8-Nov-13	710	700	1410
9-Nov-13	710	700	1410
10-Nov-13	710	1120	1830

Distressed Load Shedding

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

GENERATING UNIT OUTAGES FOR THE WEEK

FROM 4-Nov-13 TO 10-Nov-13

UNIT UNDER PLANNED OUTAGE

name	unit_no	derat_cap	date_trip	time_trip	date_sync	time_sync	reasondes
Parli	Unit 3	210	13-Feb-13	23.50		Continued.	Water Shortage
Chandrapur	Unit 5	500	14-Jul-13	00.01		Continued.	Annual Overhaul
CPP	WPCL U-2	135	16-Oct-13	05.15	5-Nov-13	17.13	Maint.Work.

UNIT UNDER FORCED OUTAGE

name	unit_no	derat_cap	date_trip	time_trip	date_sync	time_sync	reason
Dabhol	3B	230	28-May-13	21.58		Continued.	Gas shortage.
Dabhol	1B	230	28-May-13	22.02		Continued.	Gas shortage.
Dabhol	2A	230	6-Jun-13	09.10		Continued.	Gas Shortage
Dabhol	3A	230	6-Jun-13	08.28		Continued.	Gas Shortage
Dabhol	3X	290	6-Jun-13	08.28		Continued.	Gas Shortage
Dabhol	1A	230	27-Jun-13	21.47		Continued.	Gas Shortage
Dabhol	1X	290	27-Jun-13	21.46		Continued.	Gas Shortage
Dabhol	2X	290	15-Jul-13	15.09		Continued.	Gas Shortage
Tata	Trombay 6	500	19-Jul-13	23.54		Continued.	Economic shut down.
Dabhol	2B	230	8-Aug-13	15.03		Continued.	Gas Shortage
CPP	VIPL	300	2-Oct-13	00.45		Continued.	Turbine bearing vibration high.
Bhusawal	Unit 5	500	18-Oct-13	15.16		Continued.	ESP Problem.
CPP	JSW (J) U2	300	21-Oct-13	00.00		Continued.	Lack of Shedule.
CPP	Adani U-3	660	30-Oct-13	14.25	6-Nov-13	13.06	R Phase HV Bushing of GT3 Burst
CPP	WPCL U-1	135	3-Nov-13	6.24		Continued.	ID FAN PROBLEM
Chandrapur	Unit 1	210	3-Nov-13	12.12	6-Nov-13	20.23	poor bunkering problem
Parli	Unit 6	250	5-Nov-13	15.29		Continued.	CHP Problem.
CPP	Abhijeet	62	5-Nov-13	11.53		Continued.	Turbine Tripped.
Parli	Unit 7	250	6-Nov-13	06.39		Continued.	CHP Problem.
Uran	Unit 6	108	6-Nov-13	19.11		Continued.	BLR Trip.
CPP	WPCL U-2	135	6-Nov-13	08.02	6-Nov-13	12.00	Turbine Problem./
CPP	WPCL U-4	135	6-Nov-13	12.27		Continued.	Converto belt problem.
Uran	Unit 6	108	7-Nov-13	15.32		Continued.	Gas Shortage.
Bhusawal	Unit 4	500	7-Nov-13	07.45	7-Nov-13	10.27	ID Fan Problem.
Bhusawal	Unit 4	500	7-Nov-13	11.50	7-Nov-13	15.52	Class A Prot Optd.
Khaparkheda	Unit 4	210	7-Nov-13	10.31	7-Nov-13	14.04	Flame Failure.
Koradi	Unit 5	200	7-Nov-13	11.30		Continued.	Flame Failure.
REL	2	250	8-Nov-13	23.44		Continued.	VALVE LEKAGE
Chandrapur	Unit 4	210	9-Nov-13	6.07		Continued.	BTL
Koyna	ST-IV 1	250	9-Nov-13	10.00	9-Nov-13	16.00	MAINTANCE WORK
Bhusawal	Unit 4	500	9-Nov-13	14.50	9-Nov-13	16.44	AIR FLOW PROBLEM
Parli	Unit 4	210	9-Nov-13	7.49	9-Nov-13	10.51	DRUM LEVAL LOW
Khaparkheda	Unit 3	210	9-Nov-13	17.03	11-Nov-13	5.35	FLAME FALURE
Chandrapur	Unit 4	210	9-Nov-13	06.07		Continued.	BTL
CPP	WPCL U-3	135	10-Nov-13	6.10		Continued.	I D FAN PROBLEM
Khaparkheda	Unit 1	210	11-Nov-13	5.00		Continued.	flame falure