



***Maharashtra State Electricity Transmission
Company Ltd.***

State Load Dispatch Center, Airoli

Daily system Report

for

06/Feb/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 06/Feb/2014 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	120.952	731.316	1) Gujrat	10.195	42.663
2) Hydro	15.996	122.135	2) Madhya Pradesh	17.145	104.579
3) Gas	7.592	44.827	3) Chattisgarh	9.100	50.440
Total MSGENCO	144.540	898.278	4) Maharashtra Net	86.410	524.211
B) 1) JSW JAIGAD	19.005	116.470	(Incl. 765kV Solapur-Raichur)	-0.532	0.030
2) WPCL	2.389	14.563	5) Goa	-5.979	-33.570
3) ADANI	40.790	154.960	6) TAPS 1&2 Injection	6.738	35.186
4) Other CPP / IPP	21.313	112.866	7) RGPPL Injection	0.000	0.000
5) Wind Generation	4.551	23.552	8) Pench (Excess)	-0.260	-1.928
6) PENCH (MS)	0.260	1.928	# Total Cent. Sector	123.349	721.581
7) SOLAR	0.880	6.405	F) Other Exchanges		
C) 1) TPCL Thermal	14.581	90.218	1) With TPCL (Excess)	-21.335	-108.755
2) TPCL Hydro	4.373	25.394	G) Bilateral Power *		
TOTAL TPCL	18.954	115.612	1) MSEDCL Bilateral	15.600	91.228
3) REL Thermal	11.531	70.758	Include PX	0.000	1.001
D) STATE			2) MUMBAI Bilateral	17.558	92.463
1) Thermal (A1+C1+C3)	147.064	892.292	Include PX	9.067	43.319
2) Hydro (A2+B6+C2)	20.629	149.457	3) MUMBAI Schedule	17.833	92.770
3) Gas (A3)	7.592	44.827	H) ENERGY CATERED (MUs)		
4) Wind (B5)	4.551	23.552	1) MSEDCL	335.742	1941.848
5) CPP/IPP (B1+B2+B3+B4)	83.497	284.689	2) TPCL	33.387	189.904
6) SOLAR (B7)	0.880	6.405	3) REL	18.431	105.214
TOTAL STATE	264.213	1401.222	TOTAL STATE	387.560	2236.966

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5162	5269	4743
MSGENCO Hydro	1712	963	148
MSGENCO Gas	303	305	323
MSGENCO Total Generation	7177	6537	5214
Central Sector Receipt	5660	5130	4993
WIND	245	189	61
CPP / IPP	3689	3639	2908
SOLAR	126	63	0
Exchange with Mumbai	-1089	-1043	-579
MSEDCL DEMAND MET	15820	14538	12597
Load Shedding	971	598	15
MSEDCL DEMAND	16791	15136	12612
TPCL GENERATION	1065	1009	492
R-INFRA GENERATION	525	525	402
TPCL+R-INFRA DEMAND	2679	2577	1473
STATE DEMAND MET	18499	17115	14070
STATE DEMAND	19470	17713	14085
Frequency (Hz)	50.01	50.04	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.38 Hz at 19.57 Hrs	49.6 Hz at 06.40 Hrs	50.01	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 06/Feb/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.42	20.64	150	134	148
Unit 6	0.00	0.00	0	0	0
Unit 7	3.48	22.16	160	120	141
Total	6.90	42.80			289
Bhusawal					
Unit 2	3.32	21.78	150	115	160
Unit 3	3.52	23.01	155	135	160
Unit 4	8.22	57.28	445	285	457
Unit 5	6.89	28.58	330	250	301
Total	21.95	130.66			1078
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.94	11.85	180	146	160
Unit 5	3.85	22.21	180	149	158
Unit 6	5.08	31.57	250	172	190
Unit 7	4.88	30.54	240	174	182
Total	17.74	96.18			690
Chandrapur					
Unit 1	3.20	19.48	136	130	140
Unit 2	0.00	0.00	0	0	0
Unit 3	4.13	24.53	182	156	160
Unit 4	4.57	27.89	202	174	190
Unit 5	0.00	0.00	0	0	0
Unit 6	9.39	58.08	415	357	400
Unit 7	8.31	50.25	368	320	350
Total	29.60	180.23			1240
Paras					
Unit 3	5.52	31.85	248	211	230
Unit 4	0.00	23.61	0	0	0
Total	5.52	55.46			230
Khaparkheda					
Unit 1	4.34	24.37	195	165	168
Unit 2	3.48	20.24	160	125	121
Unit 3	4.51	25.69	199	173	172
Unit 4	4.52	27.19	207	171	182
Unit 5	10.35	63.71	486	373	374
Total	27.19	161.20			1017
Nasik					
Unit 3	3.86	21.66	175	140	180
Unit 4	4.15	25.76	185	165	190
Unit 5	4.04	17.36	177	158	190
Total	12.05	64.78			560
Uran					
All Units	7.59	44.83	327	301	320
Total	7.59	44.83			320
PENCH (MS)					
Pench (MS)	0.26	1.93	25	0	
Total	0.26	1.93			
Koyna					
Stage 1-2	2.00	25.94	300	40	600
Stage 4	6.73	50.91	871	0	250
Stage 3	2.11	16.70	320	0	320
Kovna 12&4 Total	8.73	76.84			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	10.84	93.54			1170
Hydro					
KDPH	0.67	3.90	37	18	36
VTRNA	0.00	0.00	0	0	0
TILLARI	0.40	2.45	62	0	64
BHTGR/VEER	0.07	0.36	3	2	3
BHIRA T.R.	0.00	0.00	0	0	0
RNGR+BHTSA	0.34	2.14	15	14	13
BHANDARDRA	0.00	0.14	0	0	0
ELDARY	0.35	2.15	16	10	15
SMLHY PTN	1.01	5.69	50	39	13
GHATGHAR	2.32	11.77	250	0	0
Total	5.16	28.59			144
Wind					
MalharPeth	0.10	0.87			
Vankuswadi	0.23	1.64			
ATIT	0.02	0.12			
Kale	0.06	0.48			
Satara	0.67	7.40			
Shirala	0.07	0.53			
K Mahankal	0.00	0.08			
Supa	0.06	0.36			
Vita	0.35	3.93			
Dondaicha	2.30	5.50			
Sakri	0.22	0.56			
Nandurbar	0.15	0.38			
Khandke	0.10	0.82			
Khaparale	0.21	0.88			
Total	4.55	23.55			
CPP					
JSW JAIGAD	19.00	116.47	901	684	750
WARDHA	2.39	14.56	102	91	120
Adani	40.79	154.96	1890	1280	1851
Other CPPs	21.31	112.87			245
Total	83.50	398.86			2966
SOLAR					
Total	0.88	6.40			
Total	0.88	6.40			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.01	63.20	501	316	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.92	17.34	129	111	120
Trombay 7B	1.65	9.68	71	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.37	25.39	415	0	447
Total	18.95	115.61			1127
REL					
1&2	11.53	70.76	526	394	500
Total	11.53	70.76			500
Cent Sect					
Share					6440
Total					6440
MS PG CL	Thermal	120.95	731.32		5104
	Thml+Gas	128.54	776.14		5424
	Hydro	16.00	122.14		1314
	Total	144.54	898.28		6738
State Total		264.21	1401.22		17771

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 06/Feb/2014

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	4831	147	323	5301	37	3313	0	4210	4799	-592	-786	12664	4	12668	1682	14350	50.04
2	4790	147	323	5260	39	3047	0	4088	4858	-483	-644	12560	15	12575	1542	14117	49.98
3	4743	148	323	5214	61	2908	0	4069	4993	-463	-579	12597	15	12612	1473	14085	49.96
4	4732	158	323	5213	40	2913	0	4044	5174	-439	-540	12800	15	12815	1437	14252	49.95
5	4744	148	324	5216	85	2948	0	4132	5278	-446	-539	12988	15	13003	1436	14439	49.92
6	4838	147	326	5311	98	3249	0	4549	5342	-485	-669	13353	92	13445	1564	15009	49.91
7	5099	147	327	5573	146	3576	0	4692	5252	-567	-683	13887	339	14226	1740	15966	49.76
8	5167	839	326	6332	168	3572	2	4850	5370	-619	-583	14872	992	15864	1910	17774	49.94
9	5205	1209	322	6736	193	3806	50	4714	4975	-572	-550	15231	901	16132	2160	18292	49.96
10	5148	1732	313	7193	184	3639	74	4798	5196	-800	-809	15499	706	16205	2443	18648	49.96
11	5155	1775	311	7241	262	3682	91	4987	5379	-957	-1033	15645	802	16447	2639	19086	50.05
12	5162	1712	303	7177	245	3689	126	5182	5660	-1023	-1089	15820	971	16791	2679	19470	50.01
13	5140	1575	304	7019	185	3688	140	5207	5419	-1011	-1086	15375	1122	16497	2661	19158	50.07
14	5070	1221	302	6593	91	3659	124	5180	5455	-978	-1032	14890	1003	15893	2538	18431	50.10
15	5113	1381	301	6795	148	3691	110	5187	5648	-985	-957	15435	725	16160	2577	18737	49.92
16	5167	1164	302	6633	159	3697	87	5243	5636	-1041	-1019	15201	648	15849	2562	18411	49.99
17	5269	963	305	6537	189	3639	63	5240	5130	-1029	-1043	14538	598	15136	2577	17713	50.04
18	5035	333	311	5679	183	3376	13	4972	4996	-925	-1172	13095	652	13747	2546	16293	50.01
19	5154	209	314	5677	137	3510	0	5162	4811	-918	-1118	13041	255	13296	2531	15827	49.99
20	5242	218	318	5778	295	3638	0	5339	5091	-873	-1022	13789	161	13950	2561	16511	50.14
21	5149	208	320	5677	388	3621	0	5145	4994	-751	-1106	13574	72	13646	2414	16060	50.13
22	5144	141	321	5606	466	3598	0	4770	4712	-655	-1192	13190	40	13230	2251	15481	50.17
23	4978	132	324	5434	450	3541	0	4554	4530	-605	-1136	12826	14	12840	2050	14890	50.02
24	4877	142	326	5345	302	3497	0	4441	4652	-616	-948	12873	11	12884	1847	14731	50.12
MUs	120.95	16.00	7.59	144.54	4.55	83.50	0.88	114.76	123.35	-17.83	-21.34	335.74	10.17	345.91	51.82	397.73	50.01

NOTE : ALL VALUES IN MW

Mumbai Sch./Net Exch is shown with reference to MSETCL System. (+) indicates Mum. to MSETCL and (-) indicates MSETCL to Mum. Mumbai Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss # Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 06/Feb/2014

Position as on 6.30 Hrs of 07/Feb/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Chandrapur Unit 5	500	14/07/2013	00.01		Continued.	Condenser replacement work.	
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Tata Trombay 6	500	19/07/2013	23.54		Continued.	Economic shut down.	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
CPP VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	
CPP JSW (J) U2	300	21/10/2013	00.00		Continued.	Lack of Shedule.	
CPP WPCL U-2	135	13/12/2013	13.17		Continued.	ID Fan problem	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Uran Unit 8	108	03/01/2014	14.06		Continued.	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
Chandrapur Unit 2	210	14/01/2014	12.38		Continued.	I D Fan Problem.	
CPP WPCL U-4	135	24/01/2014	06.24	07/02/2014	00.03	ID Fan Vibration high.	
Koradi Unit 6	210	24/01/2014	06.51		Continued.	Coal bunkering	
Uran Unit B0	120	29/01/2014	17.50		Continued.	Gas Shortage.	
Uran Unit 7	108	29/01/2014	18.05		Continued.	Gas Shortage.	
CPP WPCL U-1	135	30/01/2014	12.45		Continued.	turbine vibration	
Paras Unit 4	250	05/02/2014	09.55		Continued.	Boiler Tube Leakage.	
CPP WPCL U-3	135	07/02/2014	04.21		Continued.	TO Maintain Schedule.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 06/Feb/2014

Position as on 6.30 Hrs of 07/Feb/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali -Tarapur	07/12/2013	10.15		Continued.	MUMBAI STRENGTHENING WORK
Voltage Level : 400KV			Outage Type HAND TRIPPED		
A'bad-Talegaon PG-1	01/02/2014	08.15		Continued.	Outage on Akola-A'bad II
Kolhapur - Mapusa - II	05/02/2014	16.41	06/02/2014	09.26	Over Voltage.
Kolhapur - Mapusa - II	06/02/2014	16.50		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	06/02/2014	18.14	07/02/2014	06.38	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	05/12/2013	19.30		Continued.	To control wardha-Yeotmal O/L
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Khandwa-II	06/02/2014	17.40		Continued.	Distance Protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Karad - Kolhapur - II	05/02/2014	12.19	06/02/2014	08.24	Replacement of Insulator String & Loc 253-259.(REC @ 18.5 Hrs)
400/220 KV 315 MVA ICT-II @ Chakan	06/02/2014	10.20	06/02/2014	13.39	Attending Minor Oil Leakage.
400/220 KV 105 MVA Spare ICT @ Akola.	06/02/2014	10.34	06/02/2014	16.23	Quarterly Maintainance Work of ICT.
Karad - Kolhapur - II	06/02/2014	12.35		Continued.	Replacement of Insulator String.(REC @ 18.04).
Lonikand II-Parli II	06/02/2014	12.36	06/02/2014	19.00	Replacement of LA & CVT Under JICA -2.
Bhusawal - Deepnagar - I	06/02/2014	14.08	06/02/2014	15.22	To Collect Oil Sample of 400 KV CT's.
Bhusawal - Deepnagar - II	06/02/2014	15.37	06/02/2014	16.24	To Collect Oil Sample of 400 KV CT's.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Pusad-Nanded	05/12/2013	06.03		Continued.	220KV Ghatodi S/S LILO Work.
Ghodbandar - Bhoisor (MSETCL)	07/12/2013	10.38		Continued.	MUMBAI STRENGTENING WORK
Butibori MIDC - VIPL - I	29/01/2014	11.37		Continued.	Removing Metering Connection From Existing Summation Meter Module for VIPL-I & II.
Borivali - Ghodbandar - II	05/02/2014	10.14		Continued.	Tower Erection of Loc.8 & M/C Stringing.
Murud - Girawli.	06/02/2014	09.11	06/02/2014	12.10	Replacement of Nut Bolt Joint by Ceimp Joint.
Baramati-Kurkumb	06/02/2014	09.25	06/02/2014	13.00	Tan Delta Testing.
Mudshingi - Peth	06/02/2014	09.35	06/02/2014	17.35	Replacement of Insulator.
Pawas-Kharepatan	06/02/2014	10.03	06/02/2014	18.42	Insulator Cleaning Work.
Telco-Chinchwad	06/02/2014	10.26	06/02/2014	17.37	Half Yearly Maintenance Work.
Mudshingi - Chikodi	06/02/2014	11.10		Continued.	Overhaling of Bus.(upto 8.2.14)
Warora - Wani	06/02/2014	11.16	06/02/2014	16.14	Measurment of Tan Delta of CT.
Kandalgaon-Bhira	06/02/2014	11.30		Continued.	Breaker Replacement Work.
Bus Coupler at Padgha	06/02/2014	12.02	06/02/2014	14.01	To Attend Hot Spot.
Main Bus - II @ Vankuswadi	06/02/2014	12.54	06/02/2014	18.10	Replacement of Insulator String.
Voltage Level : 400KV			Outage Type HAND TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 06/Feb/2014

Position as on 6.30 Hrs of 07/Feb/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad-Jaigad I	05/02/2014	16.45	06/02/2014	08.46	Over Voltage.
Dabhol-Nagothane - II	05/02/2014	17.37		Continued.	Over Voltage.
Bhusawal- Aurangabad	05/02/2014	17.42	06/02/2014	06.44	Over Voltage.
New Koyna - Dabhol - I	06/02/2014	00.02		Continued.	Over Voltage.
Karad-Jaigad I	06/02/2014	18.10		Continued.	Over Voltage.
Bhusawal- Aurangabad	06/02/2014	20.56	07/02/2014	06.19	Over Voltage.
Lonikand- Koyna Stage IV	07/02/2014	00.24		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	06/01/2014	19.47		Continued.	Paras-Chikhali line O/L
Chikhali - Jalna - I	06/01/2014	19.47		Continued.	Paras-Chikhali O/L
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Mansar - Pench	11/01/2014	19:17		Continued.	Completion of Khaperkheda-Kanhan Outage and Withdeawal of Pench Suport.
Voltage Level : 220KV			Outage Type TRIPPED		
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Akola - Paras - I	06/02/2014	14.55		Continued.	Distance Protection, Trial Failed @ 15.09 Hrs.
Khamgaon - Warwatbakal	06/02/2014	14.55	06/02/2014	15.22	Backup Over Current Protection.
Akola - Paras-II	06/02/2014	14.55	06/02/2014	15.08	Over Current Earthfault Protection.
Chikali - Mehkar	06/02/2014	14.55	06/02/2014	15.15	Backup Over Current Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 07/Feb/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	146
Unit 6	210	0
Unit 7	210	140
	620	286
Bhusawal		
Unit 2	210	145
Unit 3	210	160
Unit 4	500	457
Unit 5	500	269
	1420	1031
Parli		
Unit 3	210	0
Unit 4	210	160
Unit 5	210	155
Unit 6	250	175
Unit 7	250	175
	1130	665
Chandrapur		
Unit 1	210	140
Unit 2	210	0
Unit 3	210	190
Unit 4	210	210
Unit 5	500	0
Unit 6	500	400
Unit 7	500	370
	2340	1310
Paras		
Unit 3	250	250
Unit 4	250	0
	500	250
Khaparkheda		
Unit 1	210	182
Unit 2	210	176
Unit 3	210	187
Unit 4	210	193
Unit 5	500	482
	1340	1220
Nasik		
Unit 3	210	180
Unit 4	210	190
Unit 5	210	190
	630	560
Uran		
All Units	852	320
	852	320
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	36
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	3
BHIRA T.R.	80	0
RNGR+BHTSA	20	
BHANDARDRA	45	
ELDARY	23	15
SMLHY PTN	12	20
GHATGHAR	250	
	611	138
Wind		
MalharPeth	0	
Vankuswadi	0	
ATIT	0	
Kale	0	
Satara	0	
Shirala	0	
K Mahankal	0	
Supa	0	
Vita	0	
Dondaicha	0	
Sakri	0	
Nandurbar	0	
Khandke	0	
Khaparale	0	
	0	
CPP		
JSW JAIGAD	1200	825
WARDHA	405	90
Adani	1980	1851
Other CPPs	300	245
	3885	3011
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1127
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5686
	3455	5686