



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

State Load Dispatch Center, Airoli

Daily system Report

for

09/Feb/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 09/Feb/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	123.660	1107.806	1) Gujrat	5.250	57.947
2) Hydro	13.832	160.961	2) Madhya Pradesh	15.818	151.234
3) Gas	3.912	60.229	3) Chattisgarh	9.640	79.010
Total MSGENCO	141.404	1328.996	4) Maharashtra Net	82.977	782.913
B) 1) JSW JAIGAD	18.960	173.804	(Incl. 765kV Solapur-Raichur)	-2.004	-2.082
2) WPCL	2.286	21.447	5) Goa	-5.012	-50.561
3) ADANI	36.690	275.590	6) TAPS 1&2 Injection	7.334	56.451
4) Other CPP / IPP	15.241	158.261	7) RGPPL Injection	0.000	0.000
5) Wind Generation	8.142	45.194	8) Pench (Excess)	-0.785	-3.923
6) PENCH (MS)	0.785	3.975			
7) SOLAR	1.298	9.946	# Total Cent. Sector	115.222	1073.071
C) 1) TPCL Thermal	14.318	134.113	F) Other Exchanges		
2) TPCL Hydro	0.956	33.818	1) With TPCL (Excess)	-12.785	-159.014
TOTAL TPCL	15.274	167.931	G) Bilateral Power *		
3) REL Thermal	11.298	105.421	1) MSEDCL Bilateral	15.099	133.979
D) STATE			Include PX	0.205	0.212
1) Thermal (A1+C1+C3)	149.276	1347.340	2) MUMBAI Bilateral	11.213	135.828
2) Hydro (A2+B6+C2)	15.573	198.754	Include PX	3.987	62.608
3) Gas (A3)	3.912	60.229	3) MUMBAI Schedule	11.213	136.641
4) Wind (B5)	8.142	45.194	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	73.177	390.202	1) MSEDCL	327.243	2931.270
6) SOLAR (B7)	1.298	9.946	2) TPCL	25.086	277.740
TOTAL STATE	251.378	2051.665	3) REL	14.269	154.626
			TOTAL STATE	366.598	3363.636

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	5327	5127	4844
MSGENCO Hydro	1437	854	129
MSGENCO Gas	156	157	164
MSGENCO Total Generation	6920	6138	5137
Central Sector Receipt	5181	5150	4203
WIND	170	332	480
CPP / IPP	3431	2805	3111
SOLAR	166	79	0
Exchange with Mumbai	-525	-453	-480
MSEDCL DEMAND MET	15386	14096	12474
Load Shedding	972	414	19
MSEDCL DEMAND	16358	14510	12493
TPCL GENERATION	853	622	500
R-INFRA GENERATION	526	525	400
TPCL+R-INFRA DEMAND	1904	1600	1380
STATE DEMAND MET	17290	15696	13854
STATE DEMAND	18262	16110	13873
Frequency (Hz)	50.02	50.00	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.46 Hz at 17:57 Hrs	49.66 Hz at 09:07 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 09/Feb/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.31	30.82	150	107	150
Unit 6	0.00	0.00	0	0	0
Unit 7	3.59	32.77	165	130	150
Total	6.90	63.58			300
Bhusawal					
Unit 2	3.30	31.84	150	130	150
Unit 3	3.80	34.30	170	150	170
Unit 4	8.52	84.20	415	320	457
Unit 5	7.05	49.94	335	255	301
Total	22.68	200.28			1078
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.26	22.76	183	0	161
Unit 5	3.92	33.52	172	146	151
Unit 6	5.01	46.44	245	172	228
Unit 7	5.00	45.21	238	181	228
Total	17.19	147.93			768
Chandrapur					
Unit 1	3.37	29.37	143	137	140
Unit 2	0.00	0.00	0	0	0
Unit 3	4.37	37.37	192	163	190
Unit 4	4.75	42.10	208	176	210
Unit 5	0.00	0.00	0	0	0
Unit 6	9.56	86.51	430	359	425
Unit 7	9.28	77.46	427	331	370
Total	31.33	272.82			1335
Paras					
Unit 3	5.31	47.49	256	180	250
Unit 4	5.26	35.46	240	191	250
Total	10.57	82.95			500
Khaparkheda					
Unit 1	4.29	37.08	195	165	180
Unit 2	3.17	31.05	165	105	180
Unit 3	4.47	38.86	197	162	190
Unit 4	4.35	40.37	186	178	190
Unit 5	10.97	95.42	500	380	500
Total	27.25	242.78			1240
Nasik					
Unit 3	3.51	33.32	180	75	180
Unit 4	0.00	33.89	0	0	0
Unit 5	4.23	30.24	194	129	190
Total	7.74	97.46			370
Uran					
All Units	3.91	60.23	173	155	160
Total	3.91	60.23			160
PENCH (MS)					
Pench (MS)	0.78	3.98	45	14	0
Total	0.78	3.98			0
Koyna					
Stage 1-2	2.86	34.22	495	40	600
Stage 4	4.40	62.49	760	0	250
Stage 3	1.51	20.88	206	0	320
Kovna 12&4 Total	7.26	96.70			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	8.77	117.58			1170
Hydro					
KDPH	0.45	5.24	19	18	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.40	3.62	64	0	60
BHTGR/VEER	0.06	0.58	3	2	3
BHIRA T.R.	0.19	0.19	41	0	0
RNGR+BHTSA	0.35	3.20	15	14	15
BHANDARDRA	0.00	0.14	0	0	0
ELDARY	0.36	3.22	15	14	0
SMLHY PTN	1.01	8.61	50	39	25
GHATGHAR	2.26	18.57	250	0	0
Total	5.07	43.38			121
Wind					
MalharPeth	0.47	1.89			
Vankuswadi	0.66	2.86			
ATIT	0.11	0.79			
Kale	0.30	0.99			
Satara	2.46	10.94			
Shirala	0.31	1.11			
K Mahankal	0.01	0.48			
Supa	0.15	0.69			
Vita	0.64	5.94			
Dondaicha	2.30	13.72			
Sakri	0.32	2.03			
Nandurbar	0.25	1.26			
Khandke	0.05	1.00			
Khaparale	0.12	1.51			
Total	8.14	45.19			
CPP					
JSW JAIGAD	18.96	173.80	903	686	781
WARDHA	2.29	21.45	105	87	95
Adani	36.69	275.59	1830	1130	1851
Other CPPs	15.24	158.26			245
Total	73.18	629.10			2972
SOLAR					
Total	1.30	9.95			
Total	1.30	9.95			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.73	93.33	503	317	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.95	26.17	132	112	120
Trombay 7B	1.64	14.61	71	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	0.96	33.82	211	0	447
Total	15.27	167.93			1127
REL					
1&2	11.30	105.42	526	399	500
Total	11.30	105.42			500
Cent Sect					
Share					5142
Total					5142
MS PG CL	Thermal	123.66	1107.81		5591
	Thml+Gas	127.57	1168.04		5751
	Hydro	13.83	160.96		1291
	Total	141.40	1329.00		7042
State Total		251.38	2051.66		16783

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 09/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	4924	139	169	5232	541	3108	0	4209	4459	-468	-617	12748	8	12756	1516	14272	49.98
2	4865	129	173	5167	526	3085	0	4151	4287	-410	-528	12560	19	12579	1425	14004	50.00
3	4844	129	164	5137	480	3111	0	4138	4203	-400	-480	12474	19	12493	1380	13873	50.03
4	4905	135	165	5205	413	3126	0	4138	4427	-401	-460	12735	19	12754	1358	14112	50.04
5	5008	139	165	5312	422	3272	0	4291	4211	-409	-415	12825	19	12844	1314	14158	49.93
6	5167	139	166	5472	328	3321	0	4630	4496	-442	-423	13230	62	13292	1406	14698	49.96
7	5309	150	165	5624	267	3306	0	4808	4720	-439	-266	13695	294	13989	1448	15437	49.87
8	5447	324	167	5938	249	3375	19	4724	4912	-406	-288	14248	738	14986	1535	16521	49.92
9	5487	585	165	6237	165	3405	54	4619	4878	-364	-247	14535	892	15427	1643	17070	49.83
10	5450	1332	162	6944	142	3468	126	4754	4915	-424	-359	15280	709	15989	1797	17786	49.92
11	5351	1466	159	6976	160	3427	163	4923	5279	-481	-500	15548	803	16351	1883	18234	49.98
12	5327	1437	156	6920	170	3431	166	4915	5181	-496	-525	15386	972	16358	1904	18262	50.02
13	5365	1147	156	6668	173	3439	181	4993	5044	-583	-497	15052	1106	16158	1854	18012	50.01
14	5364	1028	155	6547	181	2936	185	4959	5477	-545	-489	14880	981	15861	1770	17631	50.16
15	5392	1065	157	6614	210	2829	156	4927	5355	-516	-450	14757	735	15492	1692	17184	50.14
16	5156	1571	156	6883	250	2835	133	4911	5330	-499	-407	15069	624	15693	1631	17324	50.10
17	5127	854	157	6138	332	2805	79	4962	5150	-488	-453	14096	414	14510	1600	16110	50.00
18	5125	427	161	5713	372	2797	35	4381	4363	-396	-682	12643	87	12730	1624	14354	50.09
19	4956	470	168	5594	463	2614	1	4681	4522	-487	-816	12395	29	12424	1746	14170	49.92
20	5149	441	168	5758	502	2740	0	5169	5224	-734	-793	13447	22	13469	1916	15385	50.06
21	5253	246	163	5662	553	2789	0	4810	4829	-535	-805	13048	12	13060	1908	14968	50.15
22	5112	173	163	5448	509	2738	0	4587	4660	-492	-912	12458	9	12467	1833	14300	50.13
23	4878	176	165	5219	406	2647	0	4428	4551	-447	-780	12057	5	12062	1679	13741	50.01
24	4699	130	167	4996	328	2573	0	4296	4749	-351	-593	12077	7	12084	1495	13579	50.06
MUs	123.66	13.83	3.91	141.40	8.14	73.18	1.30	111.40	115.22	-11.21	-12.78	327.24	8.58	335.83	39.36	375.18	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 09/Feb/2014

Position as on 6.30 Hrs of 10/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.	
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	
CPP WPCL U-3	135	07/02/2014	04.21		Continued.	TO Maintain Schedule.	
Koyana ST - IV 4	250	07/02/2014	15.00		Continued.	u phase T/F Iv bushing leakage & p.m. work up to 9/02/2014	
Uran Unit 5	108	08/02/2014	0.20		Continued.	gas shortage	
Nasik Unit 4	210	08/02/2014	21.30		Continued.	UAT T/F Bucholz optd.	
CPP Adani U-3	660	09/02/2014	13.11	09/02/2014	22.17	SPS Optd.	
Parli Unit 4	210	09/02/2014	15.09	09/02/2014	17.25	Flame Failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 09/Feb/2014

Position as on 6.30 Hrs of 10/Feb/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Parli - Solapur (PGCIL) - I	09/02/2014	09.16	09/02/2014	18.08	Hot Spot attending and Repositioning of E/W.
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	08/02/2014	17.09	09/02/2014	6.45	over voltage
Dhule-Sar'Sarovar - I	08/02/2014	22.09	09/02/2014	5.30	over voltage
Kolhapur-Mapusa-II	09/02/2014	16.25		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	09/02/2014	22.16	10/02/2014	06.08	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	05/12/2013	19.30		Continued.	To control wardha-Yeotmal O/L
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Lonikand-Stage4	08/02/2014	9.20		Continued.	replacement of string redy for charging
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.
Kandalgaon-Bhira	06/02/2014	11.30	09/02/2014	17.45	Breaker Replacement Work.
Kalwa-Taloja	07/02/2014	12.20		Continued.	erection of loc no 653
Apta-Kalwa	07/02/2014	12.21		Continued.	erection of loc no 653
Bus A at Boiser	08/02/2014	11.30		Continued.	2 days bus outage annual asolator maint
Bus Coupler @ Varsoa	08/02/2014	8.52		Continued.	replacement of cb operating cubicle.outage for 3 days
Mulund - Bhandup (GIS)	09/02/2014	09.45	09/02/2014	13.31	Jumper Repl.work.
Boiser PGCIL-Boiser II	09/02/2014	14.58	09/02/2014	20.48	Hot Spot attending.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Akola - Akola-II - II	07/02/2014	17.43		Continued.	attending blown out fuses of cvt to replace
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dabhol-Nagothane - II	05/02/2014	17.37		Continued.	Over Voltage.
New Koyna - Dabhol - I	06/02/2014	00.02		Continued.	Over Voltage.
Karad-Jaigad I	08/02/2014	16.08	09/02/2014	07.43	over voltage
Karad - Kolhapur - II	08/02/2014	16.12	09/02/2014	07.54	over voltage
Bhusawal- Aurangabad	08/02/2014	17.45	09/02/2014	6.39	over voltage
Karad-Kolhapur-II	09/02/2014	16.04		Continued.	Over Voltage.
Karad-Jaigad I	09/02/2014	16.38		Continued.	Over Voltage.
Bhusawal- Aurangabad	09/02/2014	17.12		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 09/Feb/2014

Position as on 6.30 Hrs of 10/Feb/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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
Urse-Sahara	08/02/2014	7.53		Continued.	outage on sahara -bombay dying
Aurangabad - Bhenda	08/02/2014	8.49		Continued.	To control A'BAD ict loading
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.
Apata - Taloja 2	09/02/2014	0.12	09/02/2014	4.30	y phase L A Burst
Usmanabad-Barshi	09/02/2014	12.45	09/02/2014	13.13	Dist.Prot.Optd Z-I B-E fault.
Usmanabad-Barshi	09/02/2014	14.30	09/02/2014	17.38	Dist.Prot.Optd Z-I B-E fault.
Voltage Level : 132KV			Outage Type TRIPPED		
Amravati - Akola	09/02/2014	17.30	09/02/2014	17.55	Dist.Prot.Optd Z-I R-E fault.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 10/Feb/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	115
Unit 6	210	0
Unit 7	210	130
	620	245
Bhusawal		
Unit 2	210	145
Unit 3	210	170
Unit 4	500	457
Unit 5	500	323
	1420	1095
Parli		
Unit 3	210	0
Unit 4	210	130
Unit 5	210	151
Unit 6	250	180
Unit 7	250	182
	1130	643
Chandrapur		
Unit 1	210	140
Unit 2	210	0
Unit 3	210	190
Unit 4	210	150
Unit 5	500	0
Unit 6	500	430
Unit 7	500	425
	2340	1335
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	190
Unit 4	210	190
Unit 5	500	500
	1340	1240
Nasik		
Unit 3	210	180
Unit 4	210	0
Unit 5	210	190
	630	370
Uran		
All Units	852	180
	852	180
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	18
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	3
BHIRA T.R.	80	0
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	11
GHATGHAR	250	0
	611	121
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	850
WARDHA	405	120
Adani	1980	1851
Other CPPs	300	245
	3885	3066
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	5576
	3455	5576