



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

State Load Dispatch Center, Airoli

Daily system Report

for

06/Mar/2014

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	115.714	704.380	1) Gujrat	-3.327	-18.803
2) Hydro	7.771	60.371	2) Madhya Pradesh	16.531	111.184
3) Gas	6.440	40.309	3) Chattisgarh	8.770	45.310
Total MSGENCO	129.925	805.060	4) Maharashtra Net	72.840	457.240
B) 1) JSW JAIGAD	17.945	105.490	(Incl. 765kV Solapur-Raichur)	-0.494	-8.375
2) WPCL	4.226	26.988	5) Goa	-6.035	-35.122
3) ADANI	32.799	146.573	6) TAPS 1&2 Injection	7.486	44.991
4) Other CPP / IPP	18.543	103.053	7) RGPPL Injection	0.000	0.000
5) Wind Generation	4.499	33.749	8) Pench (Excess)	-0.230	-1.037
6) PENCH (MS)	0.230	1.037			
7) SOLAR	1.007	5.979	# Total Cent. Sector	96.035	603.763
C) 1) TPCL Thermal	14.874	87.430	F) Other Exchanges		
2) TPCL Hydro	3.612	15.543	1) With TPCL (Excess)	-22.176	-118.189
TOTAL TPCL	18.486	102.973	G) Bilateral Power *		
3) REL Thermal	11.753	69.463	1) MSEDCL Bilateral	10.842	68.486
D) STATE			Include PX	-5.155	-22.612
1) Thermal (A1+C1+C3)	142.341	861.273	2) MUMBAI Bilateral	20.085	110.507
2) Hydro (A2+B6+C2)	11.613	76.951	Include PX	6.386	25.699
3) Gas (A3)	6.440	40.309	3) MUMBAI Schedule	20.085	110.527
4) Wind (B5)	4.499	33.749	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	73.513	268.330	1) MSEDCL	283.033	1713.503
6) SOLAR (B7)	1.007	5.979	2) TPCL	34.192	188.748
TOTAL STATE	239.413	1286.591	3) REL	18.217	101.856
			TOTAL STATE	335.442	2004.107

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5000	4918	4746
MSGENCO Hydro	387	485	169
MSGENCO Gas	269	265	263
MSGENCO Total Generation	5656	5668	5178
Central Sector Receipt	4799	4371	3106
WIND	230	175	108
CPP / IPP	3333	3260	2601
SOLAR	132	54	0
Exchange with Mumbai	-1184	-1205	-562
MSEDCL DEMAND MET	12986	12323	10431
Load Shedding	652	337	34
MSEDCL DEMAND	13638	12660	10465
TPCL GENERATION	1030	854	495
R-INFRA GENERATION	525	523	394
TPCL+R-INFRA DEMAND	2739	2582	1451
STATE DEMAND MET	15725	14905	11882
STATE DEMAND	16377	15242	11916
Frequency (Hz)	50.08	50.09	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.3 Hz at 05.14 Hrs	49.75 Hz at 06.44 Hrs	50.02	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/Mar/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	3.17	18.71	140	123	130
Unit 7	3.05	18.96	150	100	130
Total	6.22	37.67			260
Bhusawal					
Unit 2	0.00	15.71	0	0	0
Unit 3	3.08	19.07	140	110	140
Unit 4	8.82	28.04	450	300	380
Unit 5	7.53	49.35	375	270	375
Total	19.42	112.17			895
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.81	10.69	186	132	131
Unit 5	0.86	19.00	132	0	126
Unit 6	4.18	28.04	184	170	170
Unit 7	4.01	27.65	173	151	168
Total	12.87	85.39			595
Chandrapur					
Unit 1	3.03	18.94	134	115	140
Unit 2	0.36	14.07	104	0	0
Unit 3	3.87	17.98	181	115	190
Unit 4	4.39	26.30	206	153	210
Unit 5	9.81	30.69	445	370	450
Unit 6	9.25	55.67	430	325	430
Unit 7	7.82	50.44	361	283	350
Total	38.52	214.10			1770
Paras					
Unit 3	4.60	25.11	228	141	250
Unit 4	4.88	29.96	224	183	250
Total	9.48	55.07			500
Khaparkheda					
Unit 1	3.66	21.84	185	115	180
Unit 2	3.68	20.84	170	135	180
Unit 3	3.76	23.95	172	145	195
Unit 4	0.00	9.73	0	0	0
Unit 5	9.58	56.71	490	321	500
Total	20.67	133.07			1055
Nasik					
Unit 3	0.00	15.45	0	0	0
Unit 4	4.25	25.78	190	160	190
Unit 5	4.29	25.68	194	170	190
Total	8.53	66.91			380
Uran					
All Units	6.44	40.31	279	263	270
Total	6.44	40.31			270
PENCH (MS)					
Pench (MS)	0.23	1.04	47	0	
Total	0.23	1.04			
Koyna					
Stage 1-2	1.84	16.20	280	40	600
Stage 4	0.50	9.45	211	0	250
Stage 3	0.79	5.65	152	0	320
Kovna 12&4 Total	2.34	25.65			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.13	31.30			1170
Hydro					
KDPH	0.60	3.58	38	18	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.38	2.39	64	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.12	0.63	40	0	40
RNGR+BHTSA	0.33	2.06	14	13	0
BHANDARDRA	0.79	4.61	34	33	35
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.94	5.56	40	39	0
GHATGHAR	1.47	10.24	250	0	0
Total	4.64	29.07			153
Wind					
MalharPeth	0.18	1.40			
Vankuswadi	0.26	2.41			
ATIT	0.03	0.24			
Kale	0.03	0.16			
Satara	1.00	9.09			
Shirala	0.13	0.80			
K Mahankal	0.02	0.10			
Supa	0.03	0.77			
Vita	1.01	5.61			
Dondaicha	1.27	8.28			
Sakri	0.14	0.98			
Nandurbar	0.08	0.62			
Khandke	0.12	1.54			
Khaparale	0.20	1.76			
Total	4.50	33.75			
CPP					
JSW JAIGAD	17.94	105.49	766	687	691
WARDHA	4.23	26.99	185	168	185
Adani	32.80	146.57	1647	1049	1695
Other CPPs	18.54	103.05			495
Total	73.51	382.10			3066
SOLAR					
Total	1.01	5.98			
Total	1.01	5.98			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.53	61.37	502	313	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.75	16.49	115	114	120
Trombay 7B	1.60	9.57	67	66	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.61	15.54	396	0	447
Total	18.49	102.97			1127
REL					
1&2	11.75	69.46	525	393	500
Total	11.75	69.46			500
Cent Sect					
Share					5222
Total					5222
MS PG CL	Thermal	115.71	704.38		5455
	Thml+Gas	122.15	744.69		5725
	Hydro	7.77	60.37		1323
	Total	129.92	805.06		7048
State Total		239.41	1286.59		16963

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 06/Mar/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	4778	169	263	5210	200	2598	0	3715	3583	-628	-815	10776	10	10786	1702	12488	50.06
2	4780	164	263	5207	170	2605	0	3314	3339	-586	-666	10655	34	10689	1555	12244	50.01
3	4766	169	263	5198	154	2738	0	3061	3145	-562	-604	10631	34	10665	1494	12159	50.02
4	4746	169	263	5178	108	2601	0	2923	3106	-545	-562	10431	34	10465	1451	11916	49.99
5	4719	194	263	5176	116	2668	0	2989	3255	-551	-538	10677	34	10711	1463	12174	49.94
6	4766	219	263	5248	95	3051	0	3343	3598	-595	-677	11315	38	11353	1572	12925	50.07
7	4939	482	263	5684	131	3070	0	3631	3691	-537	-729	11873	72	11945	1754	13699	49.91
8	4847	247	268	5362	122	3142	13	4380	4538	-645	-693	12524	73	12597	1928	14525	50.01
9	4896	412	279	5587	89	3112	47	4478	4473	-748	-822	12533	230	12763	2207	14970	49.95
10	5048	670	279	5997	100	3226	97	4701	4573	-931	-916	13104	411	13515	2507	16022	49.99
11	5147	685	279	6111	127	3116	137	5010	4738	-1168	-1202	13054	507	13561	2696	16257	50.03
12	5000	387	269	5656	230	3333	132	5026	4799	-1185	-1184	12986	652	13638	2739	16377	50.08
13	4854	145	269	5268	236	3066	172	4894	4783	-1179	-1210	12315	749	13064	2706	15770	50.03
14	4819	145	269	5233	260	3200	129	4735	4470	-1078	-1129	12163	627	12790	2574	15364	50.02
15	4956	174	269	5399	207	3089	124	4331	4241	-1074	-1015	12045	427	12472	2588	15060	49.96
16	4930	480	269	5679	192	3076	88	4339	4416	-1075	-1088	12363	336	12699	2591	15290	50.11
17	4918	485	265	5668	175	3260	54	4355	4371	-1044	-1205	12323	337	12660	2582	15242	50.09
18	4643	184	265	5092	199	3146	13	3912	3913	-876	-1147	11216	118	11334	2539	13873	50.02
19	4846	219	269	5334	317	3264	1	3764	3790	-935	-1107	11599	19	11618	2506	14124	49.98
20	4795	292	270	5357	346	3232	0	4296	4658	-972	-1098	12495	23	12518	2563	15081	50.03
21	4711	559	270	5540	279	3220	0	3969	4115	-894	-1062	12092	19	12111	2448	14559	49.99
22	4621	642	270	5533	214	3267	0	3521	3463	-794	-1029	11475	15	11490	2255	13745	50.04
23	4619	329	270	5218	208	3333	0	3413	3237	-718	-874	11138	10	11148	2078	13226	50.00
24	4570	150	270	4990	224	3100	0	3564	3740	-766	-804	11250	5	11255	1917	13172	50.08
MUs	115.71	7.77	6.44	129.92	4.50	73.51	1.01	95.66	96.04	-20.08	-22.18	283.03	4.81	287.85	52.42	340.26	50.02

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/Mar/2014

Position as on 6.30 Hrs of 07/Mar/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	
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.	
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.	
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-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
Koradi Unit 5	200	23/02/2014	04.04		Continued.	ID Fan Problem.	
CPP JSW (J) U2	300	28/02/2014	17.52		Continued.	No Schedule.	
Khaparkheda Unit 4	210	03/03/2014	09.32		Continued.	B.T.L.	
Koyna ST-IV 2	250	03/03/2014	11.50		Continued.	Attend W pht/f oil leakage.	
Nasik Unit 3	210	04/03/2014	18.10		Continued.	Boiler Tube Leakage	
Chandrapur Unit 2	210	04/03/2014	21.06	06/03/2014	10.16	Boiler Tube Leakage	
Bhusawal Unit 2	210	05/03/2014	21.57		Continued.	Boiler Tube Leakage	
Parli Unit 5	210	06/03/2014	07.06		Continued.	Coal Shortage.	
Khaparkheda Unit 3	210	07/03/2014	04.30	07/03/2014	07.09	Furnace Pressure High.	

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

Position as on 6.30 Hrs of 07/Mar/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali -Tarapur	07/12/2013	10.15		Continued.	MUMBAI STRENGTHENING WORK
Nasik-Navsari -II	06/03/2014	08.34	06/03/2014	18.17	Tree Cutting & Insulator Washing Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Talegaon PG- Aurangabad - II	25/02/2014	22.53		Continued.	Over Voltage,RFC 20.16Hrs on 02.03.14
Kolhapur - Mapusa - I	05/03/2014	16.45	06/03/2014	09.57	Over Voltage
Dhule-Sar'Sarovar - II	05/03/2014	21.55	06/03/2014	07.09	Over Voltage
Kolhapur-Mapusa-II	06/03/2014	16.41		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	06/03/2014	23.05	07/03/2014	06.21	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Solapur-Solapur(PGCIL)	26/02/2014	19.39		Continued.	Distance Protection.
Karad - Solapur (PGCIL)	26/02/2014	19.54		Continued.	Distance Protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Bus Coupler @ Bhusawal	25/02/2014	10.30		Continued.	For Replacement Of OLD MOCB Under Jaica-2 Outage.
400 KV TBC @ Parli - II	06/03/2014	13.11	06/03/2014	13.16	For Taking Brkr Trail After Replacing TBC Brkr Y Ph.
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 STRENGTHENING WORK
Borivali - Ghodbandar - II	05/02/2014	10.14		Continued.	Tower Erection of Loc.8 & M/C Stringing.
Bhugaon-Pusad	06/03/2014	07.33	06/03/2014	19.41	Stringing of 220KV Bhugaon Warora D/C Line.
Lonikand - Bhosari	06/03/2014	09.07	06/03/2014	20.50	Change Control & Relay Panel.
Pedambe -Nerale	06/03/2014	09.25	06/03/2014	18.55	Replacement of Insulator String.
Phursungi - Sirum	06/03/2014	10.25	06/03/2014	18.24	Half Yearly Maintenance.
Apta-Uran-II	06/03/2014	10.30		Continued.	Hot Spot & Taking Diagnostic Tests.
Kanhan - Bhandara - I	06/03/2014	11.16	06/03/2014	18.12	Measurment of Tan Delta of CT Capacitance Measurment.
Chinchwad - Parvati	06/03/2014	11.36	06/03/2014	18.28	Replacement of CT Under JICA.
Babaleshwar - Chalisgaon	06/03/2014	11.42		Continued.	Stringing of 220KV Tapline for Kopergaon S/S Alongwith Erection of MD Tower. (upto 10 th March.)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
New Koyna - Dabhol - I	06/02/2014	00.02		Continued.	Over Voltage.(RFC 20.35 Hrs on 16.02.14)
Dabhol-Nagothane - II	28/02/2014	21.35		Continued.	Over Voltage.
Karad - Kolhapur - II	05/03/2014	16.06	06/03/2014	08.12	Over Voltage
Karad-Jaigad I	05/03/2014	16.41	06/03/2014	08.13	Over Voltage
Lonikand- Koyna Stage IV	06/03/2014	00.21	06/03/2014	08.05	Over Voltage
Karad - Kolhapur - II	06/03/2014	16.45		Continued.	Over Voltage.
Karad-Jaigad I	06/03/2014	18.07		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	06/03/2014	23.08		Continued.	Over Voltage.

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

Position as on 6.30 Hrs of 07/Mar/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type TRIPPED		
Karad-Lamboti	05/03/2014	17.01	06/03/2014	08.05	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Vita - Lamboti	06/03/2014	09.38	06/03/2014	09.56	Distance Protection.
Kandalgaon - ONGC	06/03/2014	14.00	06/03/2014	16.17	PSB Fault.
Voltage Level : 132KV			Outage Type TRIPPED		
Yavatmal - Panderkawada	07/03/2014	03.57		Continued.	Distance Protection Z,O/C E/F.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 07/Mar/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	140
	620	270
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	430
Unit 5	500	376
	1420	946
Parli		
Unit 3	210	0
Unit 4	210	146
Unit 5	210	0
Unit 6	250	172
Unit 7	250	172
	1130	490
Chandrapur		
Unit 1	210	130
Unit 2	210	150
Unit 3	210	180
Unit 4	210	210
Unit 5	500	400
Unit 6	500	400
Unit 7	500	350
	2340	1820
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	130
Unit 2	210	180
Unit 3	210	0
Unit 4	210	0
Unit 5	500	400
	1340	710
Nasik		
Unit 3	210	0
Unit 4	210	190
Unit 5	210	190
	630	380
Uran		
All Units	852	270
	852	270
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	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	10
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	168
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	691
WARDHA	405	300
Adani	1980	1695
Other CPPs	300	501
	3885	3187
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	4891
	3455	4891