



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

State Load Dispatch Center, Airoli

Daily system Report

for

07/Mar/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 07/Mar/2014 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	120.243	824.623	1) Gujrat	-1.567	-20.370
2) Hydro	6.334	66.705	2) Madhya Pradesh	16.855	128.039
3) Gas	6.493	46.802	3) Chattisgarh	9.040	54.350
Total MSGENCO	133.070	938.130	4) Maharashtra Net	68.687	525.927
B) 1) JSW JAIGAD	17.920	123.410	(Incl. 765kV Solapur-Raichur)	-0.431	-8.806
2) WPCL	4.181	31.169	5) Goa	-6.110	-41.232
3) ADANI	36.970	183.543	6) TAPS 1&2 Injection	7.519	52.510
4) Other CPP / IPP	15.005	118.058	7) RGPPL Injection	0.000	0.000
5) Wind Generation	4.381	38.130	8) Pench (Excess)	-0.311	-1.348
6) PENCH (MS)	0.311	1.348			
7) SOLAR	0.828	6.807	# Total Cent. Sector	94.113	697.876
C) 1) TPCL Thermal	14.678	102.108	F) Other Exchanges		
2) TPCL Hydro	3.318	18.861	1) With TPCL (Excess)	-23.576	-141.765
TOTAL TPCL	17.996	120.969	G) Bilateral Power *		
3) REL Thermal	11.602	81.065	1) MSEDCL Bilateral	12.988	81.473
D) STATE			Include PX	-3.747	-26.358
1) Thermal (A1+C1+C3)	146.523	1007.796	2) MUMBAI Bilateral	20.232	130.740
2) Hydro (A2+B6+C2)	9.963	86.914	Include PX	6.863	32.562
3) Gas (A3)	6.493	46.802	3) MUMBAI Schedule	20.232	130.760
4) Wind (B5)	4.381	38.130	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	74.076	309.607	1) MSEDCL	283.203	1996.706
6) SOLAR (B7)	0.828	6.807	2) TPCL	34.535	223.283
TOTAL STATE	242.264	1496.056	3) REL	18.640	120.496
			TOTAL STATE	336.378	2340.485

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5382	5247	4608
MSGENCO Hydro	241	389	172
MSGENCO Gas	269	269	280
MSGENCO Total Generation	5892	5905	5060
Central Sector Receipt	4402	4367	3330
WIND	182	321	129
CPP / IPP	3380	3258	2761
SOLAR	127	0	0
Exchange with Mumbai	-1234	-1141	-580
MSEDCL DEMAND MET	12756	12737	10700
Load Shedding	228	88	84
MSEDCL DEMAND	12984	12825	10784
TPCL GENERATION	1045	946	496
R-INFRA GENERATION	523	522	390
TPCL+R-INFRA DEMAND	2802	2609	1466
STATE DEMAND MET	15558	15346	12166
STATE DEMAND	15786	15434	12250
Frequency (Hz)	49.98	50.08	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 15.04 Hrs	49.6 Hz at 06.30 Hrs	49.99	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 07/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	3.05	21.76	140	115	130
Unit 7	3.32	22.28	155	124	140
Total	6.37	44.04			270
Bhusawal					
Unit 2	0.00	15.71	0	0	0
Unit 3	3.04	22.10	135	115	140
Unit 4	9.62	37.66	505	305	430
Unit 5	7.72	57.08	370	260	376
Total	20.38	132.55			946
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.88	14.57	175	146	146
Unit 5	0.00	19.00	0	0	0
Unit 6	4.14	32.18	175	169	172
Unit 7	4.08	31.73	174	166	172
Total	12.09	97.48			490
Chandrapur					
Unit 1	3.13	22.07	141	120	130
Unit 2	3.52	17.59	160	120	150
Unit 3	4.18	22.16	187	159	180
Unit 4	4.23	30.52	196	157	210
Unit 5	9.79	40.49	455	350	400
Unit 6	9.04	64.70	425	345	400
Unit 7	8.70	59.15	408	326	350
Total	42.58	256.68			1820
Paras					
Unit 3	5.05	30.16	230	190	250
Unit 4	5.28	35.24	236	193	250
Total	10.33	65.40			500
Khaparkheda					
Unit 1	3.48	25.33	165	110	130
Unit 2	3.62	24.46	175	115	180
Unit 3	3.20	27.15	180	0	0
Unit 4	0.00	9.73	0	0	0
Unit 5	9.65	66.36	500	330	400
Total	19.95	153.02			710
Nasik					
Unit 3	0.00	15.45	0	0	0
Unit 4	4.26	30.04	186	170	190
Unit 5	4.27	29.95	190	170	190
Total	8.53	75.44			380
Uran					
All Units	6.49	46.80	280	264	270
Total	6.49	46.80			270
PENCH (MS)					
Pench (MS)	0.31	1.35	37	0	
Total	0.31	1.35			
Koyna					
Stage 1-2	2.12	18.32	360	40	600
Stage 4	0.30	9.75	252	0	250
Stage 3	0.45	6.10	88	0	320
Kovna 12&4 Total	2.41	28.07			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.86	34.17			1170
Hydro					
KDPH	0.45	4.03	19	18	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.40	2.78	64	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.14	0.77	40	0	40
RNGR+BHTSA	0.00	2.06	0	0	10
BHANDARDRA	0.80	5.41	34	33	30
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.96	6.52	40	39	10
GHATGHAR	0.73	10.97	140	0	0
Total	3.47	32.54			168
Wind					
MalharPeth	0.13	1.53			
Vankuswadi	0.21	2.62			
ATIT	0.01	0.25			
Kale	0.04	0.19			
Satara	0.78	9.86			
Shirala	0.06	0.85			
K Mahankal	0.02	0.12			
Supa	0.10	0.86			
Vita	0.62	6.23			
Dondaicha	1.52	9.80			
Sakri	0.18	1.16			
Nandurbar	0.12	0.74			
Khandke	0.34	1.88			
Khaparale	0.27	2.03			
Total	4.38	38.13			
CPP					
JSW JAIGAD	17.92	123.41	767	683	691
WARDHA	4.18	31.17	183	163	300
Adani	36.97	183.54	1890	1257	1695
Other CPPs	15.00	118.06			501
Total	74.08	456.18			3187
SOLAR					
Total	0.83	6.81			
Total	0.83	6.81			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.33	71.70	499	313	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.75	19.24	115	114	120
Trombay 7B	1.60	11.16	67	66	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.32	18.86	366	0	447
Total	18.00	120.97			1127
REL					
1&2	11.60	81.06	527	390	500
Total	11.60	81.06			500
Cent Sect					
Share					4891
Total					4891
MS PG CL	Thermal	120.24	824.62		5116
	Thml+Gas	126.74	871.42		5386
	Hydro	6.33	66.70		1338
	Total	133.07	938.13		6724
State Total		242.26	1496.06		16429

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 07/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	4609	135	280	5024	181	2771	0	3834	3528	-623	-804	10700	92	10792	1723	12515	50.05
2	4607	130	280	5017	181	2622	0	3490	3604	-568	-656	10768	84	10852	1568	12420	49.95
3	4596	220	280	5096	120	2612	0	3231	3455	-543	-617	10666	84	10750	1505	12255	49.99
4	4608	172	280	5060	129	2761	0	3220	3330	-531	-580	10700	84	10784	1466	12250	49.97
5	4614	192	278	5084	166	2789	0	3303	3395	-537	-552	10909	84	10993	1471	12464	49.91
6	4611	372	269	5252	218	2915	0	3651	3792	-586	-675	11538	85	11623	1589	13212	49.95
7	4832	452	270	5554	220	3031	0	4023	4046	-505	-760	12127	174	12301	1783	14084	49.90
8	4960	216	269	5445	242	3025	9	4416	4368	-696	-755	12356	368	12724	1973	14697	50.02
9	5005	256	269	5530	209	3042	53	4502	4554	-790	-765	12659	267	12926	2221	15147	49.98
10	5277	324	269	5870	168	3152	82	4679	4519	-976	-1074	12739	184	12923	2519	15442	49.94
11	5332	270	269	5871	139	2763	89	4727	4890	-1224	-1240	12549	170	12719	2725	15444	49.96
12	5382	241	269	5892	182	3380	127	4582	4395	-1175	-1234	12749	228	12977	2802	15779	49.98
13	5201	137	266	5604	153	3180	132	4343	4286	-1152	-1245	12110	323	12433	2767	15200	49.98
14	5175	137	264	5576	193	3211	127	4095	4034	-1122	-1129	12012	255	12267	2606	14873	50.00
15	5290	155	264	5709	153	3164	115	4085	4060	-1131	-1140	12061	182	12243	2604	14847	50.00
16	5261	429	264	5954	120	3209	56	4088	4132	-1131	-1168	12303	135	12438	2632	15070	50.07
17	5220	161	268	5649	139	3267	26	3878	4176	-1043	-1277	11980	126	12106	2627	14733	50.07
18	5086	133	269	5488	126	3252	12	3386	3374	-902	-1397	10855	86	10941	2598	13539	50.08
19	4941	382	269	5592	177	3249	0	3579	3715	-911	-1238	11522	88	11610	2539	14149	49.91
20	5247	389	269	5905	321	3258	0	4342	4340	-924	-1141	12710	88	12798	2609	15407	50.08
21	5312	449	269	6030	232	3277	0	3917	4025	-884	-1122	12469	88	12557	2477	15034	49.98
22	5267	401	269	5937	224	3387	0	3207	3382	-808	-1094	11843	88	11931	2313	14244	50.01
23	4956	352	270	5578	195	3409	0	3109	3352	-734	-992	11542	85	11627	2114	13741	49.92
24	4854	229	270	5353	193	3350	0	3193	3361	-737	-921	11336	76	11412	1943	13355	49.96
MUs	120.24	6.33	6.49	133.07	4.38	74.08	0.83	92.88	94.11	-20.23	-23.58	283.20	3.52	286.73	53.17	339.90	49.99

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 07/Mar/2014

Position as on 6.30 Hrs of 08/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	07/03/2014	13.50	Attend W pht/f oil leakage.	
Nasik Unit 3	210	04/03/2014	18.10	08/03/2014	02.45	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 07/Mar/2014

Position as on 6.30 Hrs of 08/Mar/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
A"Bad - A'Bad (PG)- II	07/03/2014	15.11		Continued.	Outage.
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		
Talegaon PG- Aurangabad - II	25/02/2014	22.53		Continued.	Over Voltage,RFC 20.16Hrs on 02.03.14
Kolhapur-Mapusa-II	06/03/2014	16.41	07/03/2014	08.45	Over Voltage.
Dhule-Sar'Sarovar - I	06/03/2014	23.05	07/03/2014	06.21	Over Voltage.
765 KV Akola-II - Tiroda - I	07/03/2014	14.50		Continued.	H/T in view of Outage on 400KV Akola-A'bad PG & 400KV A'bad-A'bad PG.
A'bad-Talegaon PG-1	07/03/2014	15.07		Continued.	To Control Akola-A'bad PG Loading.
Akola - Aurangabad(PG)- II	07/03/2014	15.30		Continued.	Hand Tripped.
Kolhapur - Mapusa - I	07/03/2014	18.05	08/03/2014	08:15	Over Voltage.
Dhule-Sar'Sarovar - II	07/03/2014	18:51	08/03/2014	07:40	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.
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.
Apta-Uran-II	06/03/2014	10.30		Continued.	Hot Spot & Taking Diagnostic Tests.
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.)
Panama - Pedambe	07/03/2014	08.00	07/03/2014	18.35	Replacement of Insulator.
Nivali-Pawas	07/03/2014	09.03	07/03/2014	20.08	Relay Testing Work.
Nivali-N'koyna	07/03/2014	09.03	07/03/2014	10.20	Replacement of Insulator.
Airoli-Knowledge park-Nasik	07/03/2014	10.21	07/03/2014	14.10	Crossarm Painting Work.
Wada-Kolshet	07/03/2014	10.34	07/03/2014	19.50	Insulator Replacement.
Kanhan - Bhandara - II	07/03/2014	11.00	07/03/2014	16.39	Measurment of Tan Delta of CT.
Dhule-Chalisgaon	07/03/2014	11.10	07/03/2014	13.00	CT Tan Delta Measurment Work.
Aurangabad-Chitegaon-I	07/03/2014	11.35	07/03/2014	17.26	Half Yearly Maintainance.
Theur - Magarpatta	07/03/2014	12.48		Continued.	Replacement of CT Under JICA-2.
Chalisgaon - Malegaon	07/03/2014	13.52	07/03/2014	15.18	Ten Delta Measurment.
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)

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 07/Mar/2014

Position as on 6.30 Hrs of 08/Mar/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Dabhol-Nagothane - II	28/02/2014	21.35		Continued.	Over Voltage.
Karad - Kolhapur - II	06/03/2014	16.45	07/03/2014	07.32	Over Voltage.
Karad-Jaigad I	06/03/2014	18.07	07/03/2014	07:34	Over Voltage.
Lonikand- Koyna Stage IV	06/03/2014	23.08	07/03/2014	07.39	Over Voltage.
Karad - Kolhapur - II	07/03/2014	17.10	08/03/2014	07:37	Over Voltage.
Karad-Jaigad I	07/03/2014	17.18	08/03/2014	07:44	Over Voltage.
Lonikand- Koyna Stage IV	07/03/2014	22.16	08/03/2014	07:31	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Khadka - Aurangabad	08/03/2014	03.59	08/03/2014	06.43	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Jejury - Lonand	08/03/2014	05.05	08/03/2014	05.26	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Yavatmal - Panderkawada	07/03/2014	03.57		Continued.	Distance Protection Z,O/C E/F.
Yedeshwari - Kaji	08/03/2014	01.59		Continued.	Bus Bar Protection Operated @ Yedeshwari
Yedeshwari - Kallam	08/03/2014	01.59		Continued.	Bus Bar Protection Operated @ Yedeshwari

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 08/Mar/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	170
	620	300
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	160
Unit 5	210	0
Unit 6	250	170
Unit 7	250	170
	1130	500
Chandrapur		
Unit 1	210	140
Unit 2	210	150
Unit 3	210	190
Unit 4	210	210
Unit 5	500	460
Unit 6	500	420
Unit 7	500	400
	2340	1970
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	195
Unit 4	210	0
Unit 5	500	500
	1340	1055
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
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	0
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	158
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	4554
	3455	4554