



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

State Load Dispatch Center, Airoli

Daily system Report

for

05/Mar/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 05/Mar/2014 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	123.205	588.666	1) Gujrat	-2.934	-15.476
2) Hydro	9.768	52.600	2) Madhya Pradesh	18.045	94.653
3) Gas	6.380	33.869	3) Chattisgarh	6.000	36.540
Total MSGENCO	139.353	675.135	4) Maharashtra Net	80.196	384.400
B) 1) JSW JAIGAD	17.857	87.545	(Incl. 765kV Solapur-Raichur)	-1.008	-7.881
2) WPCL	4.526	22.762	5) Goa	-6.107	-29.087
3) ADANI	24.343	113.774	6) TAPS 1&2 Injection	7.482	37.505
4) Other CPP / IPP	16.978	84.510	7) RGPPL Injection	0.000	0.000
5) Wind Generation	4.041	29.250	8) Pench (Excess)	-0.154	-0.807
6) PENCH (MS)	0.154	0.807	# Total Cent. Sector	102.528	507.728
7) SOLAR	0.784	4.972	F) Other Exchanges		
C) 1) TPCL Thermal	14.839	72.556	1) With TPCL (Excess)	-21.992	-96.013
2) TPCL Hydro	3.662	11.931	G) Bilateral Power *		
TOTAL TPCL	18.501	84.487	1) MSEDCL Bilateral	5.246	57.644
3) REL Thermal	11.744	57.710	Include PX	-9.303	-17.457
D) STATE			2) MUMBAI Bilateral	19.517	90.422
1) Thermal (A1+C1+C3)	149.788	718.932	Include PX	5.504	19.313
2) Hydro (A2+B6+C2)	13.584	65.338	3) MUMBAI Schedule	19.517	90.442
3) Gas (A3)	6.380	33.869	H) ENERGY CATERED (MUs)		
4) Wind (B5)	4.041	29.250	1) MSEDCL	288.572	1430.470
5) CPP/IPP (B1+B2+B3+B4)	63.704	219.160	2) TPCL	34.114	154.556
6) SOLAR (B7)	0.784	4.972	3) REL	18.121	83.639
TOTAL STATE	238.281	1071.521	TOTAL STATE	340.807	1668.665

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5601	5201	4865
MSGENCO Hydro	650	231	164
MSGENCO Gas	271	262	263
MSGENCO Total Generation	6522	5694	5292
Central Sector Receipt	5221	4626	3232
WIND	96	312	165
CPP / IPP	2781	2727	2456
SOLAR	128	0	0
Exchange with Mumbai	-1187	-1184	-588
MSEDCL DEMAND MET	13561	12175	10557
Load Shedding	595	25	76
MSEDCL DEMAND	14156	12200	10633
TPCL GENERATION	1041	987	497
R-INFRA GENERATION	521	518	408
TPCL+R-INFRA DEMAND	2749	2689	1493
STATE DEMAND MET	16310	14864	12050
STATE DEMAND	16905	14889	12126
Frequency (Hz)	50.03	50.17	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.3 Hz at 21.45 Hrs	49.68 Hz at 06.46 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 05/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	3.10	15.54	135	116	130
Unit 7	3.36	15.91	155	120	140
Total	6.46	31.45			270
Bhusawal					
Unit 2	2.72	15.71	130	0	140
Unit 3	3.07	16.00	135	120	140
Unit 4	9.54	19.22	470	355	500
Unit 5	8.06	41.82	360	300	366
Total	23.38	92.75			1146
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.36	6.88	158	132	143
Unit 5	3.28	18.14	144	128	137
Unit 6	4.62	23.86	250	170	190
Unit 7	4.58	23.64	250	165	190
Total	15.84	72.52			660
Chandrapur					
Unit 1	3.10	15.91	135	118	140
Unit 2	0.00	13.71	0	0	0
Unit 3	3.98	14.11	180	155	170
Unit 4	4.37	21.91	199	163	210
Unit 5	9.66	20.88	450	365	400
Unit 6	9.42	46.42	430	335	400
Unit 7	7.66	42.62	346	299	350
Total	38.19	175.57			1670
Paras					
Unit 3	5.20	20.51	249	190	250
Unit 4	4.91	25.08	231	154	250
Total	10.11	45.59			500
Khaparkheda					
Unit 1	3.62	18.18	180	125	180
Unit 2	3.54	17.16	170	135	180
Unit 3	3.99	20.19	180	156	195
Unit 4	0.00	9.73	0	0	0
Unit 5	9.42	47.13	490	322	500
Total	20.57	112.40			1055
Nasik					
Unit 3	0.00	15.45	0	0	0
Unit 4	4.37	21.54	200	170	190
Unit 5	4.29	21.39	190	168	190
Total	8.66	58.38			380
Uran					
All Units	6.38	33.87	274	261	270
Total	6.38	33.87			270
PENCH (MS)					
Pench (MS)	0.15	0.81	45	0	
Total	0.15	0.81			
Koyna					
Stage 1-2	2.96	14.36	345	40	600
Stage 4	0.68	8.96	250	0	250
Stage 3	0.76	4.86	160	0	320
Kovna 12&4 Total	3.64	23.32			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	4.40	28.18			1170
Hydro					
KDPH	0.90	2.98	38	37	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.39	2.00	63	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.07	0.51	40	0	40
RNGR+BHTSA	0.33	1.73	14	13	15
BHANDARDRA	0.80	3.81	34	33	20
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.94	4.61	39	39	0
GHATGHAR	1.94	8.77	250	0	0
Total	5.37	24.42			153
Wind					
MalharPeth	0.19	1.22			
Vankuswadi	0.24	2.15			
ATIT	0.03	0.21			
Kale	0.02	0.13			
Satara	1.03	8.09			
Shirala	0.10	0.67			
K Mahankal	0.01	0.08			
Supa	0.17	0.73			
Vita	0.72	4.60			
Dondaicha	0.91	7.01			
Sakri	0.06	0.84			
Nandurbar	0.07	0.54			
Khandke	0.26	1.42			
Khaparale	0.24	1.56			
Total	4.04	29.25			
CPP					
JSW JAIGAD	17.86	87.54	764	687	691
WARDHA	4.53	22.76	192	183	190
Adani	24.34	113.77	1213	801	1234
Other CPPs	16.98	84.51			465
Total	63.70	308.59			2580
SOLAR					
Total	0.78	4.97			
Total	0.78	4.97			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.49	50.84	502	316	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.75	13.74	115	114	120
Trombay 7B	1.60	7.97	67	66	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.66	11.93	362	0	447
Total	18.50	84.49			1127
REL					
1&2	11.74	57.71	525	395	500
Total	11.74	57.71			500
Cent Sect					
Share					5040
Total					5040
MS PG CL	Thermal	123.20	588.67		5681
	Thml+Gas	129.58	622.54		5951
	Hydro	9.77	52.60		1323
	Total	139.35	675.14		7274
State Total		238.28	1071.52		16521

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/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	4938	239	264	5441	137	2477	0	3252	3525	-627	-800	10780	35	10815	1696	12511	49.97
2	5065	164	264	5493	157	2618	0	3177	3093	-593	-551	10810	76	10886	1563	12449	50.01
3	4865	164	263	5292	165	2456	0	3396	3232	-565	-588	10557	76	10633	1493	12126	50.02
4	4869	164	264	5297	156	2316	0	3359	3422	-527	-565	10626	76	10702	1457	12159	49.98
5	4913	199	264	5376	156	2389	0	3372	3565	-540	-561	10925	76	11001	1453	12454	49.90
6	5026	355	264	5645	166	2626	0	3607	3844	-588	-701	11580	86	11666	1593	13259	49.95
7	5214	414	263	5891	197	2735	0	4029	4241	-542	-634	12463	127	12590	1649	14239	49.81
8	5473	424	263	6160	198	2628	15	4515	4593	-628	-560	13063	317	13380	1790	15170	49.97
9	5575	448	274	6297	129	2779	39	4593	4659	-727	-755	13191	402	13593	2130	15723	50.00
10	5650	796	274	6720	80	2569	74	4772	5091	-912	-991	13588	195	13783	2509	16292	49.98
11	5555	960	270	6785	88	2729	102	4963	5090	-1121	-1160	13638	423	14061	2720	16781	49.95
12	5601	650	271	6522	96	2781	128	5012	5221	-1168	-1187	13561	595	14156	2749	16905	50.03
13	5386	528	272	6186	104	2730	128	4887	5160	-1177	-1167	13141	740	13881	2714	16595	49.97
14	5222	752	272	6246	134	2708	141	4703	4604	-1082	-1077	12756	641	13397	2576	15973	49.96
15	5156	683	274	6113	139	2712	96	4872	4779	-1061	-1112	12727	470	13197	2585	15782	49.97
16	5191	562	263	6016	165	2755	32	4890	4819	-1063	-1126	12661	335	12996	2595	15591	49.97
17	5093	314	264	5671	162	2665	19	4915	4816	-1009	-1174	12159	73	12232	2586	14818	50.01
18	4894	196	261	5351	165	2595	10	4089	4078	-857	-1152	11047	13	11060	2541	13601	50.02
19	4899	400	262	5561	187	2714	0	3947	4323	-869	-1174	11611	14	11625	2500	14125	49.99
20	5201	231	262	5694	312	2727	0	4682	4626	-889	-1184	12175	25	12200	2689	14889	50.17
21	4961	386	263	5610	259	2621	0	4451	4721	-841	-986	12225	25	12250	2460	14710	49.96
22	4912	408	263	5583	184	2720	0	3687	3883	-739	-978	11392	25	11417	2244	13661	50.08
23	4807	168	263	5238	307	2837	0	3434	3504	-668	-892	10994	17	11011	2075	13086	50.04
24	4739	163	263	5165	198	2817	0	3606	3639	-724	-917	10902	10	10912	1870	12782	50.10
MUs	123.20	9.77	6.38	139.35	4.04	63.70	0.78	100.21	102.53	-19.52	-21.99	288.57	4.87	293.44	52.24	345.68	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 05/Mar/2014

Position as on 6.30 Hrs of 06/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.	
CPP Adani U-3	660	02/03/2014	04.23	05/03/2014	15.32	Preheater T/L.	
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		Continued.	Boiler Tube Leakage	
Bhusawal Unit 2	210	05/03/2014	21.57		Continued.	Boiler Tube Leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Mar/2014

Position as on 6.30 Hrs of 06/Mar/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
Nasik-Navsari-I	05/03/2014	09.12	05/03/2014	17.28	PMM 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	04/03/2014	17.03	05/03/2014	09.21	Over Voltage
Dhule-Sar'Sarovar - I	04/03/2014	21.42	05/03/2014	06.44	Over Voltage
Padgha-Bhoisor (PGCIL)	05/03/2014	01.08	05/03/2014	08.18	Y Phase Decapping at Loc.No.791
Kolhapur - Mapusa - I	05/03/2014	16.45		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	05/03/2014	21.55		Continued.	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.
Koradi-Bhilai	04/03/2014	06.11	05/03/2014	07.47	Distance Prot.
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.
80 MVAR Bus Reactor @ Nagothane	05/03/2014	09.35	05/03/2014	20.12	Isolator Alignment work
A Bus at Nagothane	05/03/2014	10.36	05/03/2014	20.04	Isolator Alignment work
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.
Panama - Pedambe	05/03/2014	08.35	05/03/2014	17.20	Replacement of Old Insulator String
Beed-Patoda I	05/03/2014	09.30	05/03/2014	15.20	Tan Delta Testing of Line CTs
Warora - Rly TSS - II	05/03/2014	11.05	05/03/2014	14.44	Tan Delta Measurement of CTs
Usmanabad-Barshi	05/03/2014	14.50	05/03/2014	18.30	Tan Delta of CT
Warora - RLY TSS CKT - I	05/03/2014	15.50	05/03/2014	20.12	Tan Delta Measurement of CTs
Kalwa - Siemens	05/03/2014	16.28	05/03/2014	18.17	CRM Testing
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Parli - Solapur	05/03/2014	15.41	05/03/2014	18.22	Replacement of CVT Jumper
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	04/03/2014	16.09	05/03/2014	07.40	Over Voltage
Karad-Jaigad I	04/03/2014	16.39	05/03/2014	07.41	Over Voltage
Lonikand- Koyna Stage IV	04/03/2014	21.52	05/03/2014	07.20	Over Voltage
Karad - Kolhapur - II	05/03/2014	16.06		Continued.	Over Voltage
Karad-Jaigad I	05/03/2014	16.41		Continued.	Over Voltage
400 KV Bus Coupler @	05/03/2014	18.50	05/03/2014	20.27	Air Leakage of Bus Coupler CB

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Mar/2014

Position as on 6.30 Hrs of 06/Mar/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Kalwa					
Lonikand- Koyna Stage IV	06/03/2014	00.21		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Karad-Lamboti	05/03/2014	17.01		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Vita - Lamboti	05/03/2014	16.49	05/03/2014	21.25	Insulator Flashover
Voltage Level : 132KV			Outage Type TRIPPED		
Paras - Warwat Bakal	05/03/2014	06.28	05/03/2014	06.41	Distance Protection
Nanded - Vishnupuri - II	05/03/2014	19.00	05/03/2014	21.00	Backup Protection
Dhule - Dhule - I	05/03/2014	22.17	05/03/2014	23.45	Distance Protection
220KV Dhule - 132KV Dhule - II	05/03/2014	22.17	05/03/2014	22.46	Y Phase Bus PT Burst at 220KV Dhule S/S.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 06/Mar/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	130
	620	260
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	380
Unit 5	500	375
	1420	895
Parli		
Unit 3	210	0
Unit 4	210	131
Unit 5	210	126
Unit 6	250	170
Unit 7	250	168
	1130	595
Chandrapur		
Unit 1	210	140
Unit 2	210	0
Unit 3	210	190
Unit 4	210	210
Unit 5	500	450
Unit 6	500	430
Unit 7	500	350
	2340	1770
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	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	0
BHANDARDRA	45	35
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	153
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	185
Adani	1980	1695
Other CPPs	300	495
	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	5222
	3455	5222