



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

State Load Dispatch Center, Airoli

Daily system Report

for

31/Mar/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 31/Mar/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	133.938	3889.500	1) Gujrat	5.646	28.592
2) Hydro	14.284	443.111	2) Madhya Pradesh	22.893	648.132
3) Gas	7.122	205.503	3) Chattisgarh	9.460	284.460
Total MSGENCO	155.344	4538.114	4) Maharashtra Net	89.351	2425.694
B) 1) JSW JAIGAD	9.863	425.673	(Incl. 765kV Solapur-Raichur)	-1.321	-48.825
2) WPCL	5.341	137.810	5) Goa	-5.836	-186.111
3) ADANI	36.313	1025.485	6) TAPS 1&2 Injection	7.451	216.137
4) Other CPP / IPP	17.906	529.588	7) RGPPL Injection	0.000	0.000
5) Wind Generation	9.898	187.371	8) Pench (Excess)	-0.235	-7.343
6) PENCH (MS)	0.235	7.343	# Total Cent. Sector	128.730	3409.561
7) SOLAR	0.968	33.336	F) Other Exchanges		
C) 1) TPCL Thermal	14.792	449.112	1) With TPCL (Excess)	-24.400	-718.640
2) TPCL Hydro	3.665	113.144	G) Bilateral Power *		
TOTAL TPCL	18.457	562.256	1) MSEDCL Bilateral	17.274	431.766
3) REL Thermal	11.529	363.774	Include PX	0.000	-109.624
D) STATE			2) MUMBAI Bilateral	19.371	608.239
1) Thermal (A1+C1+C3)	160.259	4702.386	Include PX	7.215	205.312
2) Hydro (A2+B6+C2)	18.184	563.598	3) MUMBAI Schedule	19.371	608.342
3) Gas (A3)	7.122	205.503	H) ENERGY CATERED (MUs)		
4) Wind (B5)	9.898	187.371	1) MSEDCL	340.198	9575.641
5) CPP/IPP (B1+B2+B3+B4)	69.423	1129.384	2) TPCL	34.302	1052.688
6) SOLAR (B7)	0.968	33.336	3) REL	20.085	592.022
TOTAL STATE	265.854	6821.578	TOTAL STATE	394.585	11220.351

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5854	5621	5302
MSGENCO Hydro	1437	888	232
MSGENCO Gas	300	278	316
MSGENCO Total Generation	7591	6787	5850
Central Sector Receipt	5659	5345	5330
WIND	160	516	441
CPP / IPP	2844	2933	2857
SOLAR	139	51	0
Exchange with Mumbai	-1121	-1085	-851
MSEDCL DEMAND MET	15288	14547	13627
Load Shedding	893	569	16
MSEDCL DEMAND	16181	15116	13643
TPCL GENERATION	945	906	494
R-INFRA GENERATION	520	522	399
TPCL+R-INFRA DEMAND	2586	2513	1744
STATE DEMAND MET	17874	17060	15371
STATE DEMAND	18767	17629	15387
Frequency (Hz)	50.04	49.98	49.92

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.3 Hz at 12:55 Hrs	49.68 Hz at 21:00 Hrs	49.97	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 31/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	3.08	101.95	145	95	95
Unit 7	3.44	101.64	168	120	120
Total	6.52	203.59			215
Bhusawal					
Unit 2	3.16	72.98	140	120	140
Unit 3	0.00	81.37	0	0	0
Unit 4	8.82	234.67	510	310	430
Unit 5	8.56	253.00	420	295	372
Total	20.53	642.02			942
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.35	95.00	155	132	150
Unit 5	0.00	62.34	0	0	0
Unit 6	4.17	126.96	177	170	170
Unit 7	4.09	141.61	172	169	170
Total	11.61	425.90			490
Chandrapur					
Unit 1	3.48	100.69	147	143	150
Unit 2	3.97	108.20	172	151	165
Unit 3	4.12	122.93	181	160	190
Unit 4	4.74	141.54	210	171	210
Unit 5	10.55	283.77	465	370	470
Unit 6	9.99	262.04	440	361	450
Unit 7	9.68	208.28	440	345	425
Total	46.54	1227.45			2060
Paras					
Unit 3	5.00	134.38	223	200	230
Unit 4	2.98	147.42	211	0	100
Total	7.98	281.79			330
Khaparkheda					
Unit 1	4.09	116.23	190	115	180
Unit 2	4.06	111.26	180	155	180
Unit 3	4.38	124.32	196	162	185
Unit 4	4.58	85.27	212	167	210
Unit 5	10.61	310.97	502	360	500
Total	27.72	748.04			1255
Nasik					
Unit 3	4.24	114.82	185	160	180
Unit 4	4.46	125.73	195	175	190
Unit 5	4.34	120.16	190	168	190
Total	13.04	360.70			560
Uran					
All Units	7.12	205.50	316	272	300
Total	7.12	205.50			300
PENCH (MS)					
Pench (MS)	0.24	7.34	40	0	0
Total	0.24	7.34			0
Koyna					
Stage 1-2	2.12	101.14	235	45	600
Stage 4	4.60	141.37	774	0	250
Stage 3	1.62	52.99	232	0	320
Kovna 12&4 Total	6.72	242.51			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	8.34	295.50			1170
Hydro					
KDPH	0.82	17.25	34	34	37
VTRNA	1.10	17.25	61	0	61
TILLARI	0.42	12.19	63	0	60
BHTGR/VEER	0.08	0.80	4	3	4
BHIRA T.R.	0.09	5.94	40	0	40
RNGR+BHTSA	0.32	10.10	15	12	15
BHANDARDRA	0.01	11.44	7	0	0
ELDARY	0.36	4.25	15	14	0
SMLHY PTN	1.13	28.35	48	47	15
GHATGHAR	1.63	40.04	250	0	0
Total	5.94	147.61			232
Wind					
MalharPeth	0.39	6.94			
Vankuswadi	0.76	12.08			
ATIT	0.10	2.37			
Kale	0.26	3.58			
Satara	2.98	45.30			
Shirala	0.32	4.58			
K Mahankal	0.05	1.47			
Supa	0.17	3.82			
Vita	1.71	24.80			
Dondaicha	1.88	53.64			
Sakri	0.24	6.43			
Nandurbar	0.23	5.28			
Khandke	0.36	8.57			
Khaparale	0.44	8.51			
Total	9.90	187.37			
CPP					
JSW JAIGAD	9.86	425.67	415	392	370
WARDHA	5.34	137.81	226	217	220
Adani	36.31	1025.48	1636	1419	1234
Other CPPs	17.91	529.59			409
Total	69.42	2118.56			2233
SOLAR					
Total	0.97	33.34			
Total	0.97	33.34			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.45	315.31	501	314	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.75	84.48	115	114	120
Trombay 7B	1.60	49.32	67	66	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.66	113.14	341	0	447
Total	18.46	562.26			1127
REL					
1&2	11.53	363.77	526	389	500
Total	11.53	363.77			500
Cent Sect					
Share					5768
Total					5768
MS PG CL	Thermal	133.94	3889.50		5852
	Thml+Gas	141.06	4095.00		6152
	Hydro	14.28	443.11		1402
	Total	155.34	4538.11		7554
State Total		265.85	6821.58		17182

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 31/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	5507	173	316	5996	401	2838	0	5717	5856	-909	-940	14151	11	14162	2136	16298	50.02
2	5551	217	316	6084	397	2842	0	5531	5486	-736	-748	14061	24	14085	1951	16036	49.98
3	5570	217	316	6103	407	2880	0	5286	5197	-490	-657	13930	17	13947	1836	15783	49.99
4	5400	217	316	5933	414	2851	0	5316	5430	-519	-808	13820	16	13836	1765	15601	50.01
5	5302	232	316	5850	441	2857	0	5407	5330	-619	-851	13627	16	13643	1744	15387	49.92
6	5411	222	316	5949	472	2842	0	5338	5642	-576	-799	14106	93	14199	1799	15998	49.97
7	5572	315	309	6196	423	2928	0	5377	5571	-629	-798	14340	571	14911	1848	16759	50.00
8	5602	456	306	6364	209	2956	25	5410	5620	-673	-756	14444	638	15082	1933	17015	50.08
9	5618	488	312	6418	244	2967	62	5416	5277	-692	-781	14187	518	14705	2134	16839	49.96
10	5852	862	312	7026	232	2872	86	5452	5440	-747	-885	14771	290	15061	2384	17445	50.02
11	5990	1032	305	7327	204	2845	111	5626	5663	-942	-1019	15131	504	15635	2562	18197	49.93
12	6015	1444	305	7764	140	2792	133	5528	5655	-1017	-1090	15424	743	16167	2592	18759	49.97
13	5854	1437	300	7591	160	2844	139	5462	5659	-1016	-1121	15288	893	16181	2586	18767	50.04
14	5799	1285	301	7385	303	2842	125	5319	5485	-937	-1082	15060	832	15892	2535	18427	50.03
15	5699	1279	301	7279	346	2828	115	5307	5473	-942	-1055	14986	656	15642	2559	18201	49.92
16	5686	1403	280	7369	404	2872	95	5427	5859	-947	-1100	15499	568	16067	2560	18627	49.93
17	5621	888	278	6787	516	2933	51	5338	5345	-863	-1085	14547	569	15116	2513	17629	49.98
18	5508	273	277	6058	453	2859	25	5058	4832	-681	-1305	12922	212	13134	2478	15612	50.05
19	5316	303	279	5898	663	2869	1	4941	4639	-765	-1273	12818	53	12871	2444	15315	50.00
20	5667	323	273	6263	634	2906	0	5317	5022	-900	-1152	13694	48	13742	2553	16295	49.93
21	5397	313	272	5982	651	2905	0	5336	5139	-901	-1299	13400	41	13441	2482	15923	49.97
22	5346	300	272	5918	615	2963	0	5198	5067	-952	-1266	13318	34	13352	2394	15746	49.75
23	5312	220	272	5804	579	3104	0	5281	5130	-975	-1296	13361	6	13367	2333	15700	49.90
24	5343	385	272	6000	590	3028	0	5209	4912	-944	-1234	13312	8	13320	2265	15585	49.99
MUs	133.94	14.28	7.12	155.34	9.90	69.42	0.97	128.60	128.73	-19.37	-24.40	340.20	7.36	347.56	54.39	401.94	49.97

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 31/Mar/2014

Position as on 6.30 Hrs of 01/Apr/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	
Bhusawal Unit 3	210	29/03/2014	22.25		Continued.	CD Path Fine Gas Duct Internal Inspection.	
Khaparkheda Unit 3	210	01/04/2014	05.14		Continued.	A.O.H.	
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.	
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 JSW (J) U1	300	12/03/2014	12:00		Continued.	Condensor Tube Leakage.	
Uran Unit 6	108	16/03/2014	08.03		Continued.	gas shortage	
CPP Adani U-2	660	20/03/2014	11.32		Continued.	BTL.	
Parli Unit 5	210	25/03/2014	12.18		Continued.	Stator Earth Fault	
CPP Dhariwal	300	26/03/2014	03.13	31/03/2014	21.02	Maintenance work	
Paras Unit 4	250	29/03/2014	13.34	31/03/2014	05.24	Air Heater Problem.	
Paras Unit 4	250	31/03/2014	06.13	31/03/2014	08.51	M.S.Temp Low.	
Chandrapur Unit 2	210	01/04/2014	05.18		Continued.	Excitation Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 31/Mar/2014

Position as on 6.30 Hrs of 01/Apr/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kolhapur - Mapusa - II	01/04/2014	07.12		Continued.	Disc insulator replacement at Mapusa end.
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765KV Akola II - Tiroda - I	23/03/2014	17.18		Continued.	Hand Tripped.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	28/03/2014	16.36	31/03/2014	06.37	Over Voltage.
A'bad-Talegaon PG-1	31/03/2014	16.03		Continued.	IPS tube burnt Y-Ph,C-Bus.
Voltage Level : 220KV			Outage Type TRIPPED		
Borivali -Tarapur	01/04/2014	06.12		Continued.	Dist.Prot.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 300 MVA ICT-I @ Koradi	19/03/2014	12.30	31/03/2014	15.20	Repl.Of Y Phase ICT-I(Up to 28-3-14)
400/220 KV 167 MVA Spare ICT @ Deepnagar	29/03/2014	11.05		Continued.	SFRA, Tan Delta.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Uran - HOCL	29/03/2014	11.31		Continued.	Tan Delta Testing.
Bhenda-Waluj	31/03/2014	08.52	31/03/2014	22.23	Stringing work,for Devgaon-Rangari line which will lilo on 220KV Waluj-BBLSR line.
Uran - JNPT	31/03/2014	09.48		Continued.	Repl of CB under Jica.
Aurangabad - BBLSR	31/03/2014	09.50	31/03/2014	23.03	Stringing work,for Devgaon-Rangari line which will lilo on 220KV Waluj-BBLSR line.
Waluj-Jalna I	31/03/2014	10.56	31/03/2014	17.49	For crossing of 400KV M/C A'bad PG-A'bad.
Waluj-Jalna-II	31/03/2014	10.56	31/03/2014	17.49	For crossing of 400KV M/C A'bad PG-A'bad.
Waluj-Chitegaon I	31/03/2014	12.09	31/03/2014	17.16	For crossing of 400KV M/C A'bad PG-A'bad.
Waluj-Chitegaon II	31/03/2014	12.09	31/03/2014	17.21	For crossing of 400KV M/C A'bad PG-A'bad.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Jaigad I	30/03/2014	16.12	31/03/2014	08.49	Over Voltage.
Karad - Kolhapur - I	30/03/2014	16.54	31/03/2014	06.48	Over Voltage.
Bhusawal- Aurangabad	30/03/2014	17.32	31/03/2014	07.26	Over Voltage.
Karad-Jaigad I	31/03/2014	16.04		Continued.	Over Voltage.
Karad - Kolhapur - II	31/03/2014	16.08	01/04/2014	06.50	Over Voltage.
Bhusawal- Aurangabad	31/03/2014	17.58		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
220/132 KV 150 MVA T/F-I @ Boiser	30/03/2014	17.35		Continued.	Oil leakage.
Chikhali - Jalna - I	31/03/2014	17.50		Continued.	Jalna S/S load on 400KV A'bad S/S.
Chikhali - Jalna - II	31/03/2014	17.50		Continued.	Jalna S/S load on 400KV A'bad S/S.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	18/03/2014	13.15		Continued.	Distance Protection(RFC 17.35Hrs)
Voltage Level : 220KV			Outage Type TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 31/Mar/2014

Position as on 6.30 Hrs of 01/Apr/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Chikhali - Jalna - I	22/03/2014	17.31	31/03/2014	1056	Jalna load taken from A'bad end,load can be taken from Chikhli end in case of outage on A'bad-Jalna.
Chikhali - Jalna - II	22/03/2014	17.31	31/03/2014	10.56	Jalna load taken from A'bad end,load can be taken from Chikhli end in case of outage on A'bad-Jalna.
Voltage Level : 132KV			Outage Type TRIPPED		
Kanhan-Pardi	31/03/2014	16.50	31/03/2014	19.15	Interpole wiring found burnt.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/Apr/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	145
	620	295
Bhusawal		
Unit 2	210	135
Unit 3	210	0
Unit 4	500	360
Unit 5	500	310
	1420	805
Parli		
Unit 3	210	0
Unit 4	210	135
Unit 5	210	0
Unit 6	250	170
Unit 7	250	172
	1130	477
Chandrapur		
Unit 1	210	150
Unit 2	210	0
Unit 3	210	190
Unit 4	210	210
Unit 5	500	450
Unit 6	500	450
Unit 7	500	430
	2340	1880
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	0
Unit 4	210	210
Unit 5	500	500
	1340	1070
Nasik		
Unit 3	210	180
Unit 4	210	190
Unit 5	210	190
	630	560
Uran		
All Units	852	250
	852	250
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	34
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	63
BHTGR/VEER	21	2
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	15
GHATGHAR	250	0
	611	230
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	285
WARDHA	405	0
Adani	1980	1234
Other CPPs	300	832
	3885	2351
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	5651
	3455	5651