



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

State Load Dispatch Center, Airoli

Daily system Report

for

07/Apr/2014

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	128.539	901.260	1) Gujrat	8.534	55.096
2) Hydro	24.708	154.999	2) Madhya Pradesh	27.331	166.001
3) Gas	7.526	52.037	3) Chattisgarh	10.640	71.740
Total MSGENCO	160.773	1108.296	4) Maharashtra Net	86.855	624.825
B) 1) JSW JAIGAD	14.707	95.725	(Incl. 765kV Solapur-Raichur)	-3.384	-9.590
2) WPCL	0.000	4.347	5) Goa	-6.404	-43.467
3) ADANI	40.264	276.029	6) TAPS 1&2 Injection	7.419	52.133
4) Other CPP / IPP	21.658	155.555	7) RGPPL Injection	0.000	0.000
5) Wind Generation	7.707	47.413	8) Pench (Excess)	-0.139	-0.960
6) PENCH (MS)	0.139	0.960			
7) SOLAR	0.994	7.882	# Total Cent. Sector	134.236	925.368
C) 1) TPCL Thermal	17.745	112.937	F) Other Exchanges		
2) TPCL Hydro	4.611	29.573	1) With TPCL (Excess)	-24.919	-177.947
TOTAL TPCL	22.356	142.510	G) Bilateral Power *		
3) REL Thermal	12.488	86.855	1) MSEDCL Bilateral	13.720	100.176
D) STATE			Include PX	0.000	0.000
1) Thermal (A1+C1+C3)	158.772	1101.052	2) MUMBAI Bilateral	28.918	181.102
2) Hydro (A2+B6+C2)	29.458	185.532	Include PX	7.747	49.779
3) Gas (A3)	7.526	52.037	3) MUMBAI Schedule	28.918	181.102
4) Wind (B5)	7.707	47.413	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	76.629	295.891	1) MSEDCL	355.559	2443.628
6) SOLAR (B7)	0.994	7.882	2) TPCL	38.153	259.877
TOTAL STATE	281.086	1689.807	3) REL	21.607	147.516
			TOTAL STATE	415.319	2851.021

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5910	5067	5232
MSGENCO Hydro	2286	2350	338
MSGENCO Gas	308	308	319
MSGENCO Total Generation	8504	7725	5889
Central Sector Receipt	5783	6095	5172
WIND	52	203	277
CPP / IPP	3029	3052	3159
SOLAR	114	78	0
Exchange with Mumbai	-1276	-1164	-576
MSEDCL DEMAND MET	16209	15989	13921
Load Shedding	854	744	16
MSEDCL DEMAND	17063	16733	13937
TPCL GENERATION	1223	1278	665
R-INFRA GENERATION	521	519	521
TPCL+R-INFRA DEMAND	3020	2961	1762
STATE DEMAND MET	19229	18950	15683
STATE DEMAND	20083	19694	15699
Frequency (Hz)	49.86	49.84	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.26 Hz at 18.13 Hrs	49.62 Hz at 21.55 Hrs	49.94	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/Apr/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	3.47	24.00	155	120	145
Unit 7	3.52	24.35	165	135	150
Total	7.00	48.35			295
Bhusawal					
Unit 2	2.96	21.48	135	110	120
Unit 3	2.98	20.58	130	115	130
Unit 4	7.41	60.58	510	0	360
Unit 5	6.96	48.75	390	245	280
Total	20.32	151.39			890
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.82	25.79	166	149	150
Unit 5	0.00	0.00	0	0	0
Unit 6	4.58	29.76	250	173	180
Unit 7	4.64	30.16	250	170	180
Total	13.04	85.71			510
Chandrapur					
Unit 1	3.34	23.59	145	137	150
Unit 2	4.06	19.80	175	164	170
Unit 3	4.16	16.76	184	152	190
Unit 4	4.70	33.68	208	154	210
Unit 5	10.69	74.96	463	434	450
Unit 6	9.90	70.51	435	385	390
Unit 7	9.58	66.71	430	350	400
Total	46.43	306.01			1960
Paras					
Unit 3	5.78	33.89	254	220	250
Unit 4	5.04	36.83	238	0	250
Total	10.82	70.72			500
Khaparkheda					
Unit 1	4.12	26.75	185	145	180
Unit 2	3.69	26.99	180	130	160
Unit 3	0.00	0.80	0	0	0
Unit 4	4.72	32.44	212	184	200
Unit 5	9.67	70.52	475	360	400
Total	22.20	157.50			940
Nasik					
Unit 3	0.00	19.55	0	0	0
Unit 4	4.31	31.11	195	158	193
Unit 5	4.44	30.93	194	172	184
Total	8.75	81.58			377
Uran					
All Units	7.53	52.04	322	305	310
Total	7.53	52.04			310
PENCH (MS)					
Pench (MS)	0.14	0.96	51	0	
Total	0.14	0.96			
Koyna					
Stage 1-2	5.43	35.48	575	40	600
Stage 4	10.19	62.56	1120	0	250
Stage 3	3.83	21.86	318	0	320
Kovna 12&4 Total	15.62	98.04			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	19.45	119.90			1170
Hydro					
KDPH	0.40	2.91	17	16	18
VTRNA	1.45	9.17	61	59	61
TILLARI	0.38	2.69	62	0	60
BHTGR/VEER	0.07	0.47	4	3	3
BHIRA T.R.	0.14	1.76	40	0	40
RNGR+BHTSA	0.31	2.30	13	12	15
BHANDARDRA	0.49	0.67	46	11	0
ELDARY	0.00	2.05	0	0	0
SMLHY PTN	0.86	6.85	36	35	16
GHATGHAR	1.16	6.22	250	0	0
Total	5.26	35.10			213
Wind					
MalharPeth	0.20	1.51			
Vankuswadi	0.42	2.53			
ATIT	0.04	0.29			
Kale	0.15	1.13			
Satara	1.94	12.48			
Shirala	0.19	1.27			
K Mahankal	0.03	0.18			
Supa	0.10	0.84			
Vita	1.03	7.18			
Dondaicha	2.35	13.10			
Sakri	0.25	1.70			
Nandurbar	0.28	1.44			
Khandke	0.38	1.82			
Khaparale	0.36	1.93			
Total	7.71	47.41			
CPP					
JSW JAIGAD	14.71	95.72	631	561	560
WARDHA	0.00	4.35	0	0	0
Adani	40.26	276.03	1711	1595	1140
Other CPPs	21.66	155.56			875
Total	76.63	531.66			2575
SOLAR					
Total	0.99	7.88			
Total	0.99	7.88			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.94	80.92	503	494	500
Trombay 6	1.89	1.89	162	0	0
Trombay 7A	2.42	18.99	116	61	120
Trombay 7B	1.50	11.13	67	49	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.61	29.57	468	0	447
Total	22.36	142.51			1127
REL					
1&2	12.49	86.86	522	518	500
Total	12.49	86.86			500
Cent Sect					
Share					5901
Total					5901
MS PG CL	Thermal	128.54	901.26		5472
	Thml+Gas	136.06	953.30		5782
	Hydro	24.71	155.00		1383
	Total	160.77	1108.30		7165
State Total		281.09	1689.81		17268

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 07/Apr/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	5306	473	317	6096	473	3090	0	5670	6046	-1157	-932	14773	7	14780	2130	16910	50.00
2	5228	208	318	5754	391	3152	0	5497	5695	-1016	-753	14239	16	14255	1951	16206	50.03
3	5230	299	315	5844	319	3181	0	5266	5558	-908	-668	14234	16	14250	1864	16114	50.05
4	5257	339	318	5914	263	3158	0	5080	5212	-843	-607	13940	16	13956	1804	15760	50.00
5	5232	338	319	5889	277	3159	0	5061	5172	-823	-576	13921	16	13937	1762	15699	49.98
6	5220	596	319	6135	238	3205	0	5070	5203	-844	-620	14161	244	14405	1804	16209	49.97
7	5268	621	322	6211	335	3192	1	5097	5233	-913	-710	14262	842	15104	1906	17010	49.96
8	5345	555	318	6218	292	3215	53	5176	5539	-998	-837	14487	921	15408	2036	17444	50.02
9	5532	727	316	6575	196	3270	48	5205	5508	-1066	-1039	14609	965	15574	2321	17895	49.94
10	5809	1638	313	7760	138	3311	81	5359	5411	-1197	-1294	15458	676	16134	2673	18807	49.91
11	5811	2087	311	8209	78	3242	164	5558	5791	-1233	-1303	16208	689	16897	2941	19838	49.78
12	5910	2286	308	8504	52	3029	114	5660	5783	-1178	-1276	16209	854	17063	3020	20083	49.86
13	5501	2141	308	7950	104	3018	150	5719	6062	-1258	-1257	16027	1027	17054	3018	20072	49.93
14	5085	2242	305	7632	148	3091	153	5698	5886	-1241	-1106	15804	929	16733	2928	19661	49.90
15	5067	2350	308	7725	203	3052	78	5627	6095	-1360	-1164	15989	744	16733	2961	19694	49.84
16	5045	2109	308	7462	338	3211	100	5631	5919	-1469	-1241	15789	851	16640	2981	19621	49.97
17	5161	1617	309	7087	436	3252	40	5704	5797	-1516	-1288	15324	710	16034	2959	18993	49.99
18	5328	468	311	6107	599	3182	10	5608	5341	-1474	-1292	13947	573	14520	2876	17396	50.02
19	5410	363	312	6085	531	3250	2	5410	5391	-1433	-1252	14007	120	14127	2776	16903	49.93
20	5450	677	315	6442	414	3311	0	5381	5723	-1387	-1060	14830	207	15037	2808	17845	49.92
21	5425	668	314	6407	567	3255	0	5343	5475	-1383	-1129	14575	200	14775	2709	17484	49.92
22	5420	403	314	6137	524	3327	0	5254	5390	-1401	-1224	14154	104	14258	2575	16833	49.90
23	5345	551	316	6212	414	3272	0	5220	5473	-1402	-1171	14200	12	14212	2512	16724	49.88
24	5154	952	312	6418	377	3204	0	5262	5534	-1416	-1120	14413	11	14424	2448	16872	49.90
MUs	128.54	24.71	7.53	160.77	7.71	76.63	0.99	129.56	134.24	-28.92	-24.92	355.56	10.75	366.31	59.76	426.07	49.94

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/Apr/2014

Position as on 6.30 Hrs of 08/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	
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	07/04/2014	11.25	Economic shut down.	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		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.	
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 WPCL U-3	135	01/04/2014	00.07		Continued.	No Schedule	
Uran Unit 8	108	01/04/2014	12.42		Continued.	Gas Shortage	
CPP VIPL	300	01/04/2014	23.13	08/04/2014	10.47	BLR T/L.(U-2)	
CPP WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
Nasik Unit 3	210	05/04/2014	17:15		Continued.	Boiler Tube Leakage.	
CPP Dhariwal	300	07/04/2014	10.47	07/04/2014	13.50	Generator Prot Optd.	
Bhusawal Unit 4	500	07/04/2014	13.07	07/04/2014	15.37	Class A Prot.Optd.	
Paras Unit 4	250	07/04/2014	22.54	08/04/2014	18.28	Furnace Pressure High.	

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

Position as on 6.30 Hrs of 08/Apr/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
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 - I	06/04/2014	16.13	07/04/2014	06.39	Over Volatge.
Dhule-Sar'Sarovar - I	06/04/2014	23.25	07/04/2014	06.27	Over Voltage.
Kolhapur - Mapusa - II	07/04/2014	16.37	08/04/2014	08.56	Over Voltage.
Dhule-Sar'Sarovar - II	07/04/2014	22.08	08/04/2014	07.02	Over Voltage.
Kolhapur - Mapusa - I	08/04/2014	18.07		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Solapur (PGCIL)	07/04/2014	18.03	07/04/2014	22.59	Over Voltage.
Dhule-Sar'Sarovar - I	08/04/2014	13.20	08/04/2014	14.01	While testing reactor.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/15.75 KV 250 MVA GT III At Chandrapur	01/04/2014	19.40		Continued.	Exitation T/F Preventive maint.
Karad - Newkoyna - I	07/04/2014	08.06	08/04/2014	07.14	Oil leakage of CT & Q.M.Work.
400/220 KV,500MVA ICT-II at Deepnagar.	07/04/2014	08.16	07/04/2014	14.58	Changing CTR wiring & DC leakage Problem.
400/220 KV 315 MVA ICT-I @ Nagothane	08/04/2014	08.56	08/04/2014	22.25	Painting work & Premansoon Maint.
Bablsr-Padgha Ckt I	08/04/2014	09.01	08/04/2014	11.16	AR Non auto mode for on line pid by hot line method.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Mudshing - Talandage - II	07/04/2014	08.24	07/04/2014	18.33	Repl.of Jumper and other maint work.
220/132KV 200 MVA ICT-II @ Amravati	07/04/2014	09.35	07/04/2014	11.42	For making jumper arrangement bet.132KV CT's and 132KV isolator for repl.of 132KV Aux isolator and 132KV B-Ph post insulator of 132KV Aux.Bus.
Karad-Wathar	07/04/2014	09.46	07/04/2014	13.05	Diagnnotic testing of CT's.
Uran - JNPT	07/04/2014	15.57	07/04/2014	19.48	CB Maint work at JNPT.
Kalwa-Taloja	08/04/2014	07.18	08/04/2014	10.30	Dignostic testing of CT tan delta.
Lote - N.Koyna	08/04/2014	07.54	08/04/2014	17.16	Oil leakage Prob.
Karad Mudsingi-II	08/04/2014	08.58	08/04/2014	14.53	Repl.of old insulator.
Bus coupler at Taloja	08/04/2014	09.40	08/04/2014	10.27	CT Tan delta.
Karad-Kadegaon	08/04/2014	10.04	08/04/2014	12.50	CT tan Delta of CT's.
Mumewadi-Mudshingi	08/04/2014	10.20	08/04/2014	16.48	Q.M.Work & tan delta.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Kolhapur-II	06/04/2014	16.14	07/04/2014	06.45	Over Volatge.
Karad-Jaigad I	06/04/2014	17.07	07/04/2014	06.35	Over Volatge.
Bhusawal- Aurangabad	06/04/2014	17.57	07/04/2014	08.35	Over Volatge.
Karad-Kolhapur-II	07/04/2014	16.45	08/04/2014	06.57	Over Voltage.
Bhusawal- Aurangabad	08/04/2014	00.54	08/04/2014	07.21	Over Voltage.
Karad-Jaigad I	08/04/2014	16.39		Continued.	Over Voltage.
Bhusawal- Aurangabad	08/04/2014	21.58		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - I	31/03/2014	17.50		Continued.	Jalna S/S load on 400KV A'bad S/S.

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

Position as on 6.30 Hrs of 08/Apr/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Chikhali - Jalna - II	31/03/2014	17.50		Continued.	Jalna S/S load on 400KV A'bad S/S.
Phursungi - Theur	05/04/2014	18.26		Continued.	outage on c'wad-parvati
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol - Nagothane - I	30/03/2014	9.34		Continued.	e/w replacement (RFC 13.30Hrs)
Karad - Lonikand	07/04/2014	15.17	07/04/2014	17.08	Dist.Prot.
400/220KV,500 MVA ICT-III at Kolhapur	07/04/2014	15.35	07/04/2014	16.03	NDR
Karad-Jaigad I	07/04/2014	18.03	08/04/2014	07.18	Dist.Prot.
400/220KV,315MVA ICT-I at Karad	07/04/2014	18.03	07/04/2014	19.12	NDR
400/220 KV 315MVA ICT-II @ Karad	07/04/2014	18.03	07/04/2014	19.08	NDR
Voltage Level : 220KV			Outage Type TRIPPED		
Wardha Power - Warora - II	07/04/2014	14.24	07/04/2014	19.11	Dist.Prot.
Wardha Power - Warora-I	07/04/2014	14.29	07/04/2014	19.11	Dist.Prot.
Karad Mudsingi-II	07/04/2014	15.58	07/04/2014	17.15	Dist.Prot.
Karad - Sadawaghapur - I	08/04/2014	12.40	08/04/2014	13.09	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 08/Apr/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	135
Unit 7	210	145
	620	280
Bhusawal		
Unit 2	210	125
Unit 3	210	140
Unit 4	500	350
Unit 5	500	372
	1420	987
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	0
Unit 6	250	180
Unit 7	250	180
	1130	510
Chandrapur		
Unit 1	210	150
Unit 2	210	165
Unit 3	210	190
Unit 4	210	210
Unit 5	500	470
Unit 6	500	450
Unit 7	500	375
	2340	2010
Paras		
Unit 3	250	250
Unit 4	250	0
	500	250
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	0
Unit 4	210	190
Unit 5	210	190
	630	380
Uran		
All Units	852	310
	852	310
PENCH (MS)		
Pench (MS)	53	0
	53	0
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	17
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	62
BHTGR/VEER	21	3
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	19
ELDARY	23	10
SMLHY PTN	12	30
GHATGHAR	250	0
	611	257
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	560
WARDHA	405	0
Adani	1980	1140
Other CPPs	300	878
	3885	2578
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5493
	3455	5493