



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

State Load Dispatch Center, Airoli

Daily system Report

for

10/Apr/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 10/Apr/2014 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	128.100	1284.728	1) Gujrat	6.752	79.229
2) Hydro	14.236	221.551	2) Madhya Pradesh	27.998	248.870
3) Gas	9.138	75.925	3) Chattisgarh	10.710	102.110
Total MSGENCO	151.474	1582.204	4) Maharashtra Net	88.860	873.609
B) 1) JSW JAIGAD	13.683	140.370	(Incl. 765kV Solapur-Raichur)	-1.931	-17.226
2) WPCL	0.000	4.347	5) Goa	-6.764	-62.983
3) ADANI	41.251	400.173	6) TAPS 1&2 Injection	7.409	74.402
4) Other CPP / IPP	25.712	230.069	7) RGPPL Injection	0.000	0.000
5) Wind Generation	7.352	69.227	8) Pench (Excess)	0.000	-1.158
6) PENCH (MS)	0.000	1.158	# Total Cent. Sector	134.965	1314.079
7) SOLAR	1.198	11.147	F) Other Exchanges		
C) 1) TPCL Thermal	19.811	170.729	1) With TPCL (Excess)	-22.756	-249.085
2) TPCL Hydro	3.570	39.979	G) Bilateral Power *		
TOTAL TPCL	23.381	210.708	1) MSEDCL Bilateral	20.049	152.864
3) REL Thermal	12.458	124.241	Include PX	3.083	3.083
D) STATE			2) MUMBAI Bilateral	25.387	257.601
1) Thermal (A1+C1+C3)	160.369	1579.698	Include PX	3.040	59.908
2) Hydro (A2+B6+C2)	17.806	262.688	3) MUMBAI Schedule	25.387	257.601
3) Gas (A3)	9.138	75.925	H) ENERGY CATERED (MUs)		
4) Wind (B5)	7.352	69.227	1) MSEDCL	352.879	3503.689
5) CPP/IPP (B1+B2+B3+B4)	80.646	416.037	2) TPCL	37.555	372.684
6) SOLAR (B7)	1.198	11.147	3) REL	21.038	211.429
TOTAL STATE	276.509	2414.722	TOTAL STATE	411.472	4087.802

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5670	5763	5044
MSGENCO Hydro	1181	748	252
MSGENCO Gas	359	440	306
MSGENCO Total Generation	7210	6951	5602
Central Sector Receipt	6418	6516	4935
WIND	68	105	361
CPP / IPP	3356	3344	3410
SOLAR	159	154	0
Exchange with Mumbai	-1308	-1253	-518
MSEDCL DEMAND MET	15903	15817	13790
Load Shedding	807	824	96
MSEDCL DEMAND	16710	16641	13886
TPCL GENERATION	1163	1109	797
R-INFRA GENERATION	521	518	521
TPCL+R-INFRA DEMAND	2992	2880	1836
STATE DEMAND MET	18895	18697	15626
STATE DEMAND	19702	19521	15722
Frequency (Hz)	50.06	50.06	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 17:56 Hrs	49.74 Hz at 19:04 Hrs	49.99	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

Shift Engineer

Shift Incharge

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 10/Apr/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.40	0.40	90	0	0
Unit 6	0.00	27.47	0	0	0
Unit 7	3.40	34.76	160	105	145
Total	3.80	62.64			145
Bhusawal					
Unit 2	2.98	30.26	130	120	125
Unit 3	2.96	29.46	135	115	140
Unit 4	9.02	87.56	515	320	350
Unit 5	7.04	70.10	425	210	234
Total	21.99	217.38			849
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.75	37.34	166	143	155
Unit 5	0.60	0.60	155	0	0
Unit 6	4.74	43.74	250	177	185
Unit 7	4.74	44.19	250	183	185
Total	13.83	125.88			525
Chandrapur					
Unit 1	3.24	33.42	138	122	150
Unit 2	3.95	31.50	170	157	165
Unit 3	3.94	29.31	181	111	190
Unit 4	3.79	47.22	203	110	210
Unit 5	10.71	107.47	465	385	470
Unit 6	10.15	100.86	450	380	450
Unit 7	9.92	95.65	440	372	425
Total	45.69	445.44			2060
Paras					
Unit 3	5.02	49.45	238	172	250
Unit 4	5.20	48.49	230	195	230
Total	10.22	97.94			480
Khaparkheda					
Unit 1	3.86	38.28	170	145	180
Unit 2	3.54	37.82	160	130	180
Unit 3	0.00	0.80	0	0	0
Unit 4	4.65	47.04	208	176	210
Unit 5	8.47	99.09	369	338	500
Total	20.50	223.03			1070
Nasik					
Unit 3	3.22	23.92	185	0	190
Unit 4	4.46	44.33	195	176	190
Unit 5	4.37	44.19	193	171	190
Total	12.06	112.43			570
Uran					
All Units	9.14	75.92	465	266	310
Total	9.14	75.92			310
PENCH (MS)					
Pench (MS)	0.00	1.16	0	0	0
Total	0.00	1.16			0
Koyna					
Stage 1-2	4.18	53.60	550	40	600
Stage 4	4.57	89.28	633	0	250
Stage 3	1.57	31.20	236	0	320
Kovna 12&4 Total	8.75	142.89			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	10.31	174.09			1170
Hydro					
KDPH	0.39	4.09	17	16	17
VTRNA	1.14	12.83	61	0	61
TILLARI	0.38	3.87	64	0	64
BHTGR/VEER	0.08	0.67	4	3	3
BHIRA T.R.	0.24	2.37	40	0	40
RNGR+BHTSA	0.32	3.19	14	13	15
BHANDARDRA	0.58	2.33	46	11	11
ELDARY	0.00	2.05	0	0	0
SMLHY PTN	0.80	9.09	34	33	29
GHATGHAR	0.00	6.97	0	0	0
Total	3.92	47.46			240
Wind					
MalharPeth	0.16	2.00			
Vankuswadi	0.29	3.50			
ATIT	0.02	0.36			
Kale	0.05	1.36			
Satara	0.93	15.63			
Shirala	0.08	1.52			
K Mahankal	0.01	0.24			
Supa	0.06	1.00			
Vita	0.72	9.42			
Dondaicha	3.69	23.52			
Sakri	0.42	2.92			
Nandurbar	0.45	2.63			
Khandke	0.12	2.28			
Khaparale	0.34	2.86			
Total	7.35	69.23			
CPP					
JSW JAIGAD	13.68	140.37	628	485	710
WARDHA	0.00	4.35	0	0	0
Adani	41.25	400.17	1747	1647	1543
Other CPPs	25.71	230.07			495
Total	80.65	774.96			2748
SOLAR					
Total	1.20	11.15			
Total	1.20	11.15			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.96	116.74	503	487	500
Trombay 6	3.67	12.76	158	143	500
Trombay 7A	2.62	25.77	118	72	120
Trombay 7B	1.56	15.46	68	52	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.57	39.98	382	0	447
Total	23.38	210.71			1627
REL					
1&2	12.46	124.24	522	514	500
Total	12.46	124.24			500
Cent Sect					
Share					5739
Total					5739
MS PG CL	Thermal	128.10	1284.73		5699
	Thml+Gas	137.24	1360.65		6009
	Hydro	14.24	221.55		1410
	Total	151.47	1582.20		7419
State Total		276.51	2414.72		18033

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 10/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	5054	929	266	6249	320	3370	0	4955	5147	-939	-800	14286	51	14337	2098	16435	49.98
2	5085	634	277	5996	324	3410	0	4876	4962	-816	-616	14076	100	14176	1920	16096	49.94
3	5044	252	306	5602	361	3410	0	4831	4935	-731	-518	13790	96	13886	1836	15722	49.99
4	5090	124	306	5520	330	3420	0	4803	5052	-701	-438	13884	96	13980	1775	15755	49.96
5	5062	118	307	5487	353	3411	0	4812	5127	-701	-377	14001	101	14102	1732	15834	49.92
6	5120	365	307	5792	358	3295	1	4807	5064	-738	-421	14089	161	14250	1775	16025	49.95
7	5217	790	310	6317	269	3307	4	4889	5054	-771	-523	14428	330	14758	1877	16635	50.04
8	5275	704	314	6293	242	3319	28	5018	5064	-815	-649	14297	784	15081	2007	17088	50.05
9	5324	395	310	6029	183	3371	80	5267	5666	-1003	-922	14407	721	15128	2293	17421	50.02
10	5263	776	304	6343	209	3416	116	5797	6232	-1142	-1095	15221	554	15775	2643	18418	49.94
11	5279	1172	315	6766	111	3302	147	6092	6599	-1251	-1206	15719	626	16345	2914	19259	50.03
12	5670	1181	359	7210	68	3356	159	6218	6418	-1322	-1308	15903	807	16710	2992	19702	50.06
13	5674	1052	441	7167	43	3343	170	6229	6226	-1325	-1345	15604	946	16550	2988	19538	50.06
14	5763	748	440	6951	105	3344	154	5924	6516	-1274	-1253	15817	824	16641	2880	19521	50.06
15	5730	729	438	6897	192	3287	162	6264	6291	-1293	-1220	15609	552	16161	2901	19062	49.97
16	5426	1078	444	6948	310	3349	80	6066	6340	-1301	-1182	15845	460	16305	2917	19222	49.93
17	5336	979	451	6766	463	3349	68	5632	6052	-1287	-1162	15536	471	16007	2890	18897	49.96
18	5379	332	459	6170	487	3349	26	5294	5478	-1226	-1246	14264	488	14752	2814	17566	50.03
19	5331	353	462	6146	473	3165	3	5184	4871	-1141	-1222	13436	153	13589	2706	16295	50.05
20	5328	595	463	6386	444	3431	0	5450	5660	-1160	-1054	14867	30	14897	2739	17636	49.91
21	5439	368	464	6271	510	3483	0	5456	5490	-1167	-1067	14687	20	14707	2649	17356	50.01
22	5483	194	465	6142	410	3408	0	5448	5243	-1126	-1126	14077	15	14092	2515	16607	49.99
23	5313	179	465	5957	383	3456	0	5467	5747	-1049	-1043	14500	9	14509	2410	16919	49.97
24	5415	189	465	6069	404	3295	0	5430	5731	-1108	-963	14536	11	14547	2324	16871	49.95
MUs	128.10	14.24	9.14	151.47	7.35	80.65	1.20	130.21	134.96	-25.39	-22.76	352.88	8.41	361.28	58.60	419.88	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 10/Apr/2014

Position as on 6.30 Hrs of 11/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	
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	10/04/2014	12.12	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	10/04/2014	10.02	gas shortage	
CPP Adani U-2	660	20/03/2014	11.32		Continued.	BTL.	
Parli Unit 5	210	25/03/2014	12.18	10/04/2014	17.32	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 WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
Koradi Unit 6	210	09/04/2014	01.01		Continued.	ID Fan Problem.	
Nasik Unit 3	210	09/04/2014	23.00	10/04/2014	05.25	Drum Level Very Low	
Koradi Unit 5	200	10/04/2014	19.21		Continued.	ID Fan Problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Apr/2014

Position as on 6.30 Hrs of 11/Apr/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised 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-II	09/04/2014	17.35	10/04/2014	08.46	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur-Solapur(PGCIL)-I	09/04/2014	16.49	10/04/2014	17.19	Declared Faulty
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 315 MVA ICT-I @ Nagothane	09/04/2014	08.59	10/04/2014	01.43	Painting and Premansoon maint.work
400/220 KV 500 MVA ICT-I @ Jejuri	10/04/2014	00.11	10/04/2014	06.21	Testing work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Nagothane-IPCL	10/04/2014	09.05	10/04/2014	18.42	Relay testing work and E/W stringing
Lonand-Phaltan MIDC I	10/04/2014	09.40	10/04/2014	12.35	A.M.Work
Wadkhel - IPCL	10/04/2014	09.45	10/04/2014	18.42	Insulator replacement
Khadki - VSNL	10/04/2014	10.00	10/04/2014	17.37	Replacement of CTs
Mudshingi-Wathar	10/04/2014	11.53	10/04/2014	16.28	Tan Delta work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	09/04/2014	16.06	10/04/2014	07.48	Over Voltage
Karad-Jaigad I	09/04/2014	16.31	10/04/2014	07.50	Over Voltage
Bhusawal- Aurangabad	09/04/2014	17.40	10/04/2014	07.16	Over Voltage
Karad-Kolhapur-II	10/04/2014	16.43		Continued.	Over Voltage
Karad-Jaigad I	10/04/2014	17.00		Continued.	Over Voltage
Bhusawal- Aurangabad	10/04/2014	18.03		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.
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 - I	30/03/2014	9.34		Continued.	e/w replacement (RFC 13.30Hrs)
Voltage Level : 220KV			Outage Type TRIPPED		
Karad-Wathar	10/04/2014	18.05	10/04/2014	18.47	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 11/Apr/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	135
	620	135
Bhusawal		
Unit 2	210	110
Unit 3	210	115
Unit 4	500	365
Unit 5	500	310
	1420	900
Parli		
Unit 3	210	0
Unit 4	210	160
Unit 5	210	152
Unit 6	250	180
Unit 7	250	180
	1130	672
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	450
	2340	2085
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	160
Unit 2	210	159
Unit 3	210	0
Unit 4	210	196
Unit 5	500	400
	1340	915
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	450
	852	450
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	17
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	3
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	11
ELDARY	23	0
SMLHY PTN	12	29
GHATGHAR	250	0
	611	240
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	710
WARDHA	405	0
Adani	1980	1223
Other CPPs	300	815
	3885	2748
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	5771
	3455	5771

	21280	18083
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