



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Apr/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Apr/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	126.012	1894.259	1) Gujrat	3.606	96.892
2) Hydro	27.002	316.980	2) Madhya Pradesh	21.317	371.784
3) Gas	13.389	134.110	3) Chattisgarh	10.490	158.610
Total MSGENCO	166.403	2345.349	4) Maharashtra Net	85.090	1306.543
B) 1) JSW JAIGAD	14.352	215.187	(Incl. 765kV Solapur-Raichur)	-2.277	-30.590
2) WPCL	0.000	4.347	5) Goa	-6.213	-92.419
3) ADANI	39.718	575.830	6) TAPS 1&2 Injection	7.460	111.640
4) Other CPP / IPP	24.332	353.466	7) RGPPL Injection	0.000	0.000
5) Wind Generation	7.241	123.060	8) Pench (Excess)	-0.544	-2.455
6) PENCH (MS)	0.544	2.455			
7) SOLAR	1.165	15.674	# Total Cent. Sector	121.206	1950.595
C) 1) TPCL Thermal	19.792	265.903	F) Other Exchanges		
2) TPCL Hydro	4.412	54.793	1) With TPCL (Excess)	-20.975	-351.376
TOTAL TPCL	24.204	320.696	G) Bilateral Power *		
3) REL Thermal	12.519	185.751	1) MSEDCL Bilateral	17.612	245.131
D) STATE			Include PX	-0.319	3.176
1) Thermal (A1+C1+C3)	158.323	2345.913	2) MUMBAI Bilateral	25.268	371.761
2) Hydro (A2+B6+C2)	31.958	374.228	Include PX	1.853	67.900
3) Gas (A3)	13.389	134.110	3) MUMBAI Schedule	25.268	371.761
4) Wind (B5)	7.241	123.060	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	78.402	612.718	1) MSEDCL	353.986	5234.587
6) SOLAR (B7)	1.165	15.674	2) TPCL	37.183	547.781
TOTAL STATE	290.478	3605.703	3) REL	20.514	310.114
			TOTAL STATE	411.683	6092.482

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5644	5444	4949
MSGENCO Hydro	2128	2162	557
MSGENCO Gas	593	523	561
MSGENCO Total Generation	8365	8129	6067
Central Sector Receipt	5249	5706	4724
WIND	37	203	407
CPP / IPP	3406	3038	3258
SOLAR	157	102	0
Exchange with Mumbai	-1185	-1145	-422
MSEDCL DEMAND MET	16082	16036	14034
Load Shedding	854	657	176
MSEDCL DEMAND	16936	16693	14210
TPCL GENERATION	1226	1205	827
R-INFRA GENERATION	522	520	524
TPCL+R-INFRA DEMAND	2933	2870	1773
STATE DEMAND MET	19015	18906	15807
STATE DEMAND	19869	19563	15983
Frequency (Hz)	49.97	49.96	49.90

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.18 Hz at 12:55 Hrs	49.6 Hz at 22:31 Hrs	49.93	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 15/Apr/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.40	0	0	0
Unit 6	3.50	35.37	154	124	142
Unit 7	3.70	53.29	160	140	155
Total	7.20	89.07			297
Bhusawal					
Unit 2	1.78	36.68	130	0	0
Unit 3	2.96	43.74	135	110	130
Unit 4	0.00	123.70	0	0	0
Unit 5	8.18	103.76	400	245	372
Total	12.92	307.88			502
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.08	57.09	183	149	156
Unit 5	3.54	19.67	169	135	145
Unit 6	4.82	67.45	250	174	180
Unit 7	4.83	67.20	250	176	183
Total	17.28	211.41			664
Chandrapur					
Unit 1	3.38	50.66	146	138	150
Unit 2	3.95	51.33	170	157	170
Unit 3	3.70	49.94	177	130	145
Unit 4	4.69	69.96	207	178	210
Unit 5	10.23	157.98	447	410	430
Unit 6	9.42	149.11	425	355	450
Unit 7	9.38	143.00	407	368	400
Total	44.75	671.98			1955
Paras					
Unit 3	4.70	59.80	238	151	160
Unit 4	4.88	57.93	264	0	200
Total	9.57	117.73			360
Khaparkheda					
Unit 1	3.62	56.48	170	120	180
Unit 2	3.64	54.94	180	120	180
Unit 3	0.00	0.80	0	0	0
Unit 4	4.32	67.61	208	150	210
Unit 5	9.68	138.87	500	317	500
Total	21.26	318.71			1070
Nasik					
Unit 3	4.24	45.32	185	160	180
Unit 4	4.44	66.46	195	163	190
Unit 5	4.34	65.69	195	163	190
Total	13.02	177.48			560
Uran					
All Units	13.39	134.11	595	518	540
Total	13.39	134.11			540
PENCH (MS)					
Pench (MS)	0.54	2.46	54	0	0
Total	0.54	2.46			0
Koyna					
Stage 1-2	6.58	76.08	560	40	600
Stage 4	11.47	124.66	1120	0	250
Stage 3	4.42	44.25	320	18	320
Kovna 12&4 Total	18.04	200.74			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	22.46	244.99			1170
Hydro					
KDPH	0.52	7.01	32	14	18
VTRNA	1.11	19.05	61	0	61
TILLARI	0.39	5.89	65	0	60
BHTGR/VEER	0.08	1.00	4	3	5
BHIRA T.R.	0.13	3.18	40	0	40
RNGR+BHTSA	0.31	4.78	14	13	15
BHANDARDRA	0.00	3.27	0	0	0
ELDARY	0.00	2.05	0	0	0
SMLHY PTN	1.00	13.52	42	41	29
GHATGHAR	0.98	12.24	250	0	0
Total	4.54	71.99			228
Wind					
MalharPeth	0.23	4.45			
Vankuswadi	0.40	7.19			
ATIT	0.05	0.86			
Kale	0.16	2.88			
Satara	1.37	28.85			
Shirala	0.21	2.96			
K Mahankal	0.02	0.37			
Supa	0.02	1.48			
Vita	0.67	15.91			
Dondaicha	3.07	40.75			
Sakri	0.36	4.47			
Nandurbar	0.41	4.65			
Khandke	0.06	3.76			
Khaparale	0.19	4.48			
Total	7.24	123.06			
CPP					
JSW JAIGAD	14.35	215.19	608	558	550
WARDHA	0.00	4.35	0	0	0
Adani	39.72	575.83	1820	1479	1823
Other CPPs	24.33	353.47			845
Total	78.40	1148.83			3218
SOLAR					
Total	1.16	15.67			
Total	1.16	15.67			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.90	172.65	503	428	500
Trombay 6	3.68	31.01	156	150	500
Trombay 7A	2.66	39.00	115	95	120
Trombay 7B	1.56	23.25	67	61	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.41	54.79	398	0	447
Total	24.20	320.70			1627
REL					
1&2	12.52	185.75	524	518	500
Total	12.52	185.75			500
Cent Sect					
Share					5272
Total					5272
MS PG CL	Thermal	126.01	1894.26		5408
	Thml+Gas	139.40	2028.37		5948
	Hydro	27.00	316.98		1398
	Total	166.40	2345.35		7346
State Total		290.48	3605.70		17963

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/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	4953	963	557	6473	507	3282	0	4931	5176	-988	-770	14708	107	14815	2065	16880	49.98
2	4981	924	556	6461	423	3318	0	4723	4667	-808	-523	14349	158	14507	1872	16379	49.91
3	4949	557	561	6067	407	3258	0	4705	4724	-789	-422	14034	176	14210	1773	15983	49.90
4	4923	482	576	5981	376	3322	0	4696	4814	-779	-359	14134	184	14318	1712	16030	49.97
5	4977	462	580	6019	381	3285	0	4703	4729	-784	-345	14069	237	14306	1699	16005	49.89
6	4988	794	576	6358	349	3315	0	4773	4887	-832	-414	14495	470	14965	1767	16732	49.93
7	5044	620	574	6238	342	3333	2	4833	4900	-844	-492	14334	874	15208	1842	17050	49.90
8	5051	596	574	6221	299	3351	30	4873	5058	-918	-644	14362	917	15279	1997	17276	49.96
9	5113	1270	586	6969	135	3403	76	4730	4892	-866	-816	14699	889	15588	2282	17870	49.93
10	5224	2106	595	7925	66	3463	115	4903	5052	-1052	-941	15734	627	16361	2625	18986	49.85
11	5374	2349	595	8318	42	3443	144	5112	5354	-1227	-1134	16221	678	16899	2862	19761	49.94
12	5644	2128	593	8365	37	3406	157	5179	5249	-1307	-1185	16082	854	16936	2933	19869	49.97
13	5629	2044	565	8238	63	3480	160	5135	5073	-1305	-1186	15880	1015	16895	2925	19820	50.03
14	5611	1753	563	7927	79	3438	153	5088	5220	-1240	-1175	15694	902	16596	2831	19427	49.99
15	5626	1942	562	8130	162	3208	138	5205	5432	-1256	-1172	15924	694	16618	2862	19480	49.95
16	5444	2162	523	8129	203	3038	102	5250	5706	-1263	-1145	16036	657	16693	2870	19563	49.96
17	5337	1910	550	7797	312	3272	59	5170	5345	-1241	-1155	15653	668	16321	2863	19184	49.98
18	5315	603	550	6468	364	3117	27	4879	4815	-1194	-1183	13635	641	14276	2789	17065	50.02
19	5351	252	520	6123	455	3061	2	4659	4672	-1156	-1122	13214	219	13433	2668	16101	49.96
20	5349	628	518	6495	492	3178	0	5113	5049	-1135	-1024	14212	242	14454	2720	17174	49.89
21	5381	478	525	6384	573	3145	0	5143	5221	-1124	-1012	14325	205	14530	2604	17134	49.90
22	5376	340	525	6241	443	3115	0	4996	5072	-1095	-984	13887	158	14045	2475	16520	49.93
23	5319	602	527	6448	375	3100	0	4972	5057	-1078	-919	14061	139	14200	2360	16560	49.80
24	5053	1037	538	6628	356	3071	0	4913	5042	-986	-853	14244	117	14361	2302	16663	49.89
MUs	126.01	27.00	13.39	166.40	7.24	78.40	1.16	118.68	121.21	-25.27	-20.98	353.99	11.83	365.81	57.70	423.51	49.93

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 15/Apr/2014

Position as on 6.30 Hrs of 16/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.	
Koradi Unit 5	200	10/04/2014	19.21		Continued.	Coal 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	
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	
CPP JSW (J) U2	300	28/02/2014	17.52		Continued.	No Schedule.	
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	
Bhusawal Unit 2	210	12/04/2014	16.15	15/04/2014	08.02	Id fan tem.high	
CPP Adani U-4	660	14/04/2014	04:35		Continued.	With Drawn.	
Bhusawal Unit 4	500	14/04/2014	23.07		Continued.	BLR T/L.	
Paras Unit 4	250	15/04/2014	22.54	16/04/2014	01.21	Flame Failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Apr/2014

Position as on 6.30 Hrs of 16/Apr/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule-Sar'Sarovar - I	15/04/2014	17.48		Continued.	Reactor Prot checking work. ready for charging.
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		
A'bad-Talegaon PG-1	14/04/2014	15.14	15/04/2014	10.16	To control loading of Akoa-Wardha I & II
Kolhapur - Mapusa - II	14/04/2014	16.42	15/04/2014	07.27	Over Voltage.
Kolhapur - Mapusa - II	15/04/2014	16.53		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dabhol-Nagothane - II	14/04/2014	14.30		Continued.	Hot Spot on B-Ph CT.
400/220 KV 315 MVA ICT-II @ Nagothane.	15/04/2014	07.00	15/04/2014	20.59	Painting & P.M.Work
400/220KV 315 MVA ICT III at Bhusawal	15/04/2014	07.08	15/04/2014	17.28	SFRA,Tan delta & Prot.work.
Karad - Kolhapur - I	15/04/2014	08.59	15/04/2014	14.31	Q.M.Work
Padgha - Babaleswar - II	15/04/2014	11.51		Continued.	Taken on TBC,BKR O/H work at BBLSR.
400/220KV 500MVA ICT-II at Lonikand-II	15/04/2014	12.09		Continued.	LV side CT leakage.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Mudsinghi - Mumewadi - I	15/04/2014	08.50	15/04/2014	17.39	Fixing vibration damper.
Mahad-Pasco	15/04/2014	10.25	15/04/2014	17.20	Maint.work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Ambazari-Amravati	15/04/2014	09.46	15/04/2014	12.44	Oil leakage from Y-Ph CT.
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765/400KV 1500MVA ICT at Tiroda	15/04/2014	00.25		Continued.	H/T.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Kolhapur-II	14/04/2014	16.23	15/04/2014	06.49	Over Voltage.
Karad-Jaigad I	14/04/2014	16.40	15/04/2014	06.54	Over Voltage.
Bhusawal- Aurangabad	14/04/2014	17.36	15/04/2014	07.48	Over Voltage.
Karad - Kolhapur - I	15/04/2014	16.42	16/04/2014	06.33	Over Voltage.
Karad-Jaigad I	15/04/2014	17.05	16/04/2014	06.34	Over Voltage.
Bhusawal- Aurangabad	15/04/2014	18.08		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 : 220KV			Outage Type TRIPPED		
220/132KV,200MVA ICT-III at Girwali	14/04/2014	17.45	15/04/2014	19.15	PRV Optd.
Voltage Level : 132KV			Outage Type TRIPPED		
Kej - Kallam	15/04/2014	07.20	15/04/2014	07.45	Dist.Prot.
Solapur - Naldurg	15/04/2014	18.02	15/04/2014	18.15	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Apr/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	105
Unit 7	210	130
	620	235
Bhusawal		
Unit 2	210	130
Unit 3	210	130
Unit 4	500	0
Unit 5	500	350
	1420	610
Parli		
Unit 3	210	0
Unit 4	210	170
Unit 5	210	150
Unit 6	250	185
Unit 7	250	185
	1130	690
Chandrapur		
Unit 1	210	150
Unit 2	210	170
Unit 3	210	190
Unit 4	210	210
Unit 5	500	450
Unit 6	500	425
Unit 7	500	400
	2340	1995
Paras		
Unit 3	250	200
Unit 4	250	180
	500	380
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	540
	852	540
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	32
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	7
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	215
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	550
WARDHA	405	0
Adani	2640	1823
Other CPPs	300	582
	4545	2955
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	5961
	3455	5961

	21940	18508
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