



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

State Load Dispatch Center, Airoli

Daily system Report

for

10/Jul/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 10/Jul/2013 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	79.381	804.889	1) Gujrat	17.365	140.794
2) Hydro	5.805	59.748	2) Madhya Pradesh	14.139	173.629
3) Gas	10.597	101.684	3) Chattisgarh	5.100	66.940
Total MSGENCO	95.783	966.321	4) Maharashtra	50.893	561.296
B) 1) JSW JAIGAD	21.664	190.419	5) Goa	-4.837	-47.095
2) WPCL	7.524	78.973	6) TAPS 1&2 Injection	1.693	30.833
3) ADANI	25.600	235.050	7) RGPPL Injection	6.378	66.397
4) Other CPP / IPP	11.428	81.414	8) Pench (Excess)	-0.159	-1.969
5) Wind Generation	26.395	239.961	# Total Cent. Sector	90.572	990.825
6) PENCH (MS)	0.159	1.969	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-18.019	-168.433
1) TPCL Thermal	21.548	230.323	G) Bilateral Power *		
2) TPCL Hydro	4.574	44.867	1) MSEDCL Bilateral	12.163	368.369
TOTAL TPCL	26.122	275.190	Include PX	0.000	-10.992
3) REL Thermal	10.619	113.781	2) MUMBAI Bilateral	14.571	140.938
D) STATE			Include PX	1.188	24.299
1) Thermal (A1+C1+C3)	111.548	1148.993	3) MUMBAI Schedule	14.571	140.938
2) Hydro (A2+B5+C2)	10.538	106.584	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.597	101.684	1) MSEDCL	261.106	2616.499
4) Wind (B4)	26.395	239.961	2) TPCL	36.028	365.735
5) CPP (B1+B2+B3)	66.216	376.406	3) REL	18.730	191.657
TOTAL STATE	225.294	1973.628	TOTAL STATE	315.864	3173.891

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3405	3178	3319
MSGENCO Hydro	403	980	65
MSGENCO Gas	456	404	423
MSGENCO Total Generation	4264	4562	3807
Central Sector Receipt	3977	4015	3029
WIND	1133	1131	1038
CPP / IPP	2899	2956	2440
Exchange with Mumbai	-709	-842	-351
MSEDCL DEMAND MET	11564	11833	9963
Load Shedding	80	58	55
MSEDCL DEMAND	11644	11891	10018
TPCL GENERATION	1376	1229	844
R-INFRA GENERATION	521	400	397
TPCL+R-INFRA DEMAND	2606	2471	1592
STATE DEMAND MET	14170	14304	11555
STATE DEMAND	14250	14362	11610
Frequency (Hz)	50.03	49.96	50.27

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.47 Hz at 04.01 Hrs	49.7 Hz at 16.25 Hrs	50.08	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 10/Jul/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.82	20.25	150	0	140
Unit 6	3.32	29.01	158	115	145
Unit 7	3.38	3.89	160	130	156
Total	9.51	53.15			441
Bhusawal					
Unit 2	3.28	33.91	155	115	160
Unit 3	3.49	32.71	165	130	140
Unit 4	4.64	52.04	250	155	215
Unit 5	0.00	12.40	0	0	
Total	11.42	131.06			515
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0
Total	0.00	0.00			0
Chandrapur					
Unit 1	3.42	34.49	146	137	160
Unit 2	3.43	35.36	155	134	155
Unit 3	0.00	17.76	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	5.31	52.12	248	200	225
Unit 6	5.63	47.94	255	210	225
Unit 7	5.47	56.01	250	210	250
Total	23.26	243.69			1015
Paras					
Unit 3	4.11	40.08	191	155	200
Unit 4	3.98	44.20	196	138	200
Total	8.09	84.29			400
Khaparkheda					
Unit 1	3.68	27.90	180	140	156
Unit 2	3.60	26.27	170	115	156
Unit 3	4.33	25.41	203	168	165
Unit 4	4.10	40.86	195	155	160
Unit 5	7.29	70.63	350	261	300
Total	23.00	191.06			937
Nasik					
Unit 3	4.11	41.69	190	160	195
Unit 4	0.00	25.26	0	0	0
Unit 5	0.00	34.69	0	0	0
Total	4.11	101.64			195
Uran					
All Units	10.60	101.68	465	402	440
Total	10.60	101.68			440
PENCH (MS)					
Pench (MS)	0.16	1.97	27	0	
Total	0.16	1.97			
Koyna					
Stage 1-2	1.94	17.90	345	40	600
Stage 4	0.48	6.39	269	0	250
Stage 3	1.26	13.36	160	0	240
Kovna 12&4 Total	2.43	24.30			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.69	37.66			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.74	0	0	0
TILLARI	0.17	2.17	58	0	60
BHTGR/VEER	0.06	0.57	3	2	3
BHIRA T.R.	0.54	4.50	80	0	80
RNGR+BHTSA	0.00	0.06	0	0	0
BHANDARDRA	0.08	0.97	34	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.44	3.55	19	18	0
GHATGHAR	0.82	9.53	250	0	0
Total	2.11	22.09			143
Wind					
MalharPeth	1.46	11.41			
Vankuswadi	2.13	18.57			
ATIT	0.33	3.54			
Kale	0.94	6.69			
Satara	7.85	67.80			
Shirala	0.78	6.22			
K Mahankal	0.09	2.46			
Supa	0.30	2.92			
Vita	3.16	29.93			
Dondaicha	5.56	56.14			
Sakri	0.86	9.20			
Nandurbar	0.58	5.54			
Khandke	1.10	10.24			
Khaparale	1.25	9.30			
Total	26.40	239.96			
CPP					
JSW JAIGAD	21.66	190.42	965	853	862
WARDHA	7.52	78.97	343	279	347
Adani	25.60	235.05	1200	840	1234
Other CPPs	11.43	81.41			379
Total	66.22	585.86			2822
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	8.48	95.63	499	315	500
Trombay 6	3.55	35.74	149	148	500
Trombay 7A	2.98	29.42	126	123	120
Trombay 7B	1.62	16.23	68	66	60
Trombay 8	4.91	53.31	251	183	250
TATA Hydro	4.57	44.87	387	0	447
Total	26.12	275.19			1877
REL					
1&2	10.62	113.78	526	395	500
Total	10.62	113.78			500
Cent Sect					
Share					4350
Total					4350

MS PG CL	Thermal	79.38	804.89			3503
	Thml+Gas	89.98	906.57			3943
	Hydro	5.80	59.75			1233
	Total	95.78	966.32			5176
State Total		225.29	1973.63			14725

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 10/Jul/2013

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	3386	65	402	3853	1016	2768	3385	3390	-572	-554	10473	83	10556	1866	12422	50.10
2	3356	70	411	3837	989	2505	3004	3680	-475	-486	10525	55	10580	1723	12303	50.06
3	3339	90	418	3847	1029	2443	2915	3306	-403	-397	10228	55	10283	1640	11923	50.09
4	3319	65	423	3807	1038	2440	2884	3029	-372	-351	9963	55	10018	1592	11610	50.27
5	3353	60	436	3849	1141	2566	3039	3092	-368	-346	10302	65	10367	1583	11950	50.23
6	3299	110	431	3840	1093	2581	3543	3815	-378	-435	10894	75	10969	1688	12657	50.02
7	3354	361	450	4165	820	2815	3300	3820	-466	-512	11108	81	11189	1832	13021	50.01
8	3404	416	457	4277	811	2878	3713	4211	-529	-551	11626	81	11707	1996	13703	50.12
9	3375	455	459	4289	917	2859	3897	4061	-564	-571	11555	80	11635	2282	13917	50.08
10	3405	403	456	4264	1133	2899	4067	3977	-647	-709	11564	80	11644	2606	14250	50.03
11	3362	329	458	4149	1113	2914	4262	4039	-842	-904	11311	80	11391	2814	14205	50.04
12	3396	142	457	3995	1161	2903	4329	4015	-909	-880	11194	77	11271	2842	14113	50.01
13	3339	66	461	3866	1270	2861	4259	3637	-883	-911	10723	133	10856	2822	13678	50.00
14	3302	61	462	3825	1196	2734	4177	3813	-784	-829	10739	76	10815	2677	13492	50.11
15	3275	71	465	3811	1131	2651	3994	4100	-808	-1053	10640	73	10713	2645	13358	50.05
16	3254	122	449	3825	1267	2690	3752	4023	-780	-1069	10753	71	10824	2624	13448	50.02
17	3335	235	438	4008	1186	2698	3539	3739	-567	-1113	10545	65	10610	2639	13249	50.11
18	3282	231	437	3950	1343	2711	3334	3412	-548	-1107	10319	61	10380	2642	13022	50.11
19	3243	231	444	3918	1275	2857	3472	3968	-566	-1057	10972	60	11032	2586	13618	50.13
20	3265	561	442	4268	1188	2760	3911	4249	-614	-962	11530	60	11590	2597	14187	49.98
21	3178	980	404	4562	1131	2956	3894	4015	-617	-842	11833	58	11891	2471	14362	49.96
22	3160	403	446	4009	1014	3003	3961	3919	-645	-776	11196	56	11252	2387	13639	50.07
23	3215	194	447	3856	1091	2954	3969	3723	-642	-832	10819	56	10875	2171	13046	50.06
24	3185	84	444	3713	1042	2770	4037	3539	-591	-772	10294	56	10350	2035	12385	50.17
MUs	79.38	5.80	10.60	95.78	26.40	66.22	88.64	90.57	-14.57	-18.02	261.11	1.69	262.80	54.76	317.56	50.08

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/Jul/2013

Position as on 6.30 Hrs of 11/Jul/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 4	210	28/11/2012	02.37		Continued.	water shortage.	
Cent_Sect Tarapur 2	160	31/12/2012	17.05		Continued.	Refuelling work	
Parli Unit 6	250	25/01/2013	19.49		Continued.	Water Shortage/AOH from 06.03.2013	
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Parli Unit 5	210	14/02/2013	22.45		Continued.	Water Shortage	
Parli Unit 7	250	17/02/2013	01.00		Continued.	Water Shortage.	
Chandrapur Unit 4	210	15/06/2013	13.33		Continued.	Annual Overhaul	
Nasik Unit 4	210	07/07/2013	02.00		Continued.	C.O.H.	
Koyna ST - IV 4	250	10/07/2013	08.00		Continued.	Maintenance Work.	
FORCED OUTAGE							
Dabhol 3B	230	28/05/2013	21.58		Continued.	Gas shortage.	
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Koyna Unit 11	80	04/06/2013	13.25		Continued.	Rotar Fault.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 3X	290	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
CPP WPCL U-4	135	12/06/2013	03.27		Continued.	Turbine Balancing.	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Uran Unit 7	108	30/06/2013	12.42		Continued.	Gas Shortage.	
Bhusawal Unit 5	500	03/07/2013	23.40		Continued.	ESP Problem.	
CPP Adani U1	660	04/07/2013	20.11		Continued.	BOILER TUBE LEAKAGE	
Chandrapur Unit 3	210	08/07/2013	16.25		Continued.	Furnace Pressure High	
Nasik Unit 5	210	09/07/2013	09.30		Continued.	Boiler Tube Leakage	
Koradi Unit 5	200	10/07/2013	20.16		Continued.	Flame Failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Jul/2013

Position as on 6.30 Hrs of 11/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Chandrapur-Bhadravti - I	09/06/2013	16.16		Continued.	Over Voltage
Wardha - Seoni - I	01/07/2013	08.35		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	06/07/2013	17.08		Continued.	Over Voltage.
Parly(PG)- Solapur(PG) - II	08/07/2013	16.39		Continued.	Over Voltage
Solapur - Solapur (PG)	09/07/2013	17.29	10/07/2013	06.43	Over Voltage
Dhule-Sar'Sarovar - I	11/07/2013	01.01		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Koradi-Satpur	14/06/2013	02.02		Continued.	Over Voltage.
Kolhapur - Mapusa - II	05/07/2013	17.10		Continued.	Bus Bar Prot Operated.(Ready for charging 17.46Hrs)
Parly(PG)- Solapur(PG) - I	10/07/2013	03.33	10/07/2013	04.29	Over Voltage
Karad - Solapur (PGCIL)	10/07/2013	03.33	10/07/2013	07.01	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 500 MVA ICT-I @ Deepnagar	07/06/2013	17.03		Continued.	ICT charged through Tie Bay due to higher Tan Delta Values of HV side R Phase Bus-II CT
Dabhol-Nagothane - II	09/07/2013	12.08		Continued.	Taking A/R in to service at N'thane end(Ready for Charging 19.48Hrs)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Main CB of 220/100kV 200 MVA ICTIII @ Padgha	22/05/2013	10.46		Continued.	Repl.of A bus,B bus isolator under JICA scheme.ICT on TBC.
Karad - Sadawaghapur - II	09/07/2013	10.17		Continued.	To avoid crossing of 220KV Sadavghapur-II :Ckt I
Bus - I @ Karkamb	10/07/2013	09.03	10/07/2013	14.58	Quarterly Maintenance Work.
Vita - Lamboti	10/07/2013	09.34	10/07/2013	14.59	Q.M.Work.
220/132KV 200 MVA ICT-I @ Amravati	10/07/2013	10.32	10/07/2013	16.45	For Replacement of 220 KV Bus Post Insulator of ICT-I (ICT Will be Shifted on TBC).
Bus - I @ Borivali	10/07/2013	10.39	10/07/2013	14.35	Annual Maintenance.
220/132KV 100 MVA ICT II at Amalner	10/07/2013	12.35	10/07/2013	15.30	Routine Maintenance Work of ICT.
Usmanabad-Barshi	10/07/2013	13.22	10/07/2013	17.28	Attending Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
Karad - Newkoyna - I	23/06/2013	16.36		Continued.	Over Voltage
Dabhol - New Koyna - I	30/06/2013	10.42		Continued.	Over Voltage.
Deepnagar-Aurangabad-I	04/07/2013	18.51		Continued.	Over Voltage.
Karad - Kolhapur - I	05/07/2013	17.10		Continued.	Over Voltage.
Bhusawal- Aurangabad	07/07/2013	21.18		Continued.	Over Voltage
Karad-Kolhapur-II	09/07/2013	23.54	10/07/2013	08.52	Over Voltage
Lonikand- Koyna Stage IV	10/07/2013	03.40	10/07/2013	07.30	Over Voltage
Chandrapur - Parli - III	10/07/2013	22.02	11/07/2013	06.34	Over Voltage.
Karad - Kolhapur - II	10/07/2013	23.31		Continued.	Over Voltage
Lonikand- Koyna Stage IV	11/07/2013	00.59	11/07/2013	06.37	Over Voltage

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 10/Jul/2013

Position as on 6.30 Hrs of 11/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated Declared Faulty by Genco.
Parli - Chandrapur - III	10/07/2013	03.33	10/07/2013	06.11	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
A'nagar-Pal	06/07/2013	04.32		Continued.	Wave trap burst.
Voltage Level : 100KV			Outage Type TRIPPED		
Kandalgaon-Roha-I	11/07/2013	02.50	11/07/2013	03.30	Distance Protection
Kandalgaon-Roha-II	11/07/2013	02.50	11/07/2013	04.20	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 11/Jul/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	170
	620	320
Bhusawal		
Unit 2	210	120
Unit 3	210	155
Unit 4	500	295
Unit 5	500	
	1420	570
Parli		
Unit 3	210	
Unit 4	210	
Unit 5	210	
Unit 6	250	
Unit 7	250	
	1130	
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	0
Unit 4	210	0
Unit 5	500	270
Unit 6	500	280
Unit 7	500	250
	2340	1120
Paras		
Unit 3	250	152
Unit 4	250	152
	500	304
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	180
Unit 4	210	180
Unit 5	500	350
	1340	1030
Nasik		
Unit 3	210	195
Unit 4	210	0
Unit 5	210	0
	630	195
Uran		
All Units	852	440
	852	440
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	
BHANDARDRA	45	32
ELDARY	23	
SMLHY PTN	12	
GHATGHAR	250	
	611	176
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	1137
WARDHA	405	355
Adani	1320	1234
Other CPPs	300	384
	3225	3110
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4382
	3455	4382