



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

State Load Dispatch Center, Airoli

Daily system Report

for

10/May/2013

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	118.991	1137.705	1) Gujrat	12.687	133.906
2) Hydro	17.754	152.542	2) Madhya Pradesh	19.355	198.930
3) Gas	7.445	92.753	3) Chattisgarh	9.090	89.170
Total MSGENCO	144.190	1383.000	4) Maharashtra	65.521	627.261
B) 1) JSW JAIGAD	28.619	263.224	5) Goa	-6.603	-63.653
2) WPCL	7.370	77.582	6) TAPS 1&2 Injection	3.929	38.126
3) ADANI	13.800	141.360	7) RGPPL Injection	1.532	119.298
4) Other CPP / IPP	12.734	96.138	8) Pench (Excess)	-0.070	-1.724
5) Wind Generation	12.486	134.009	# Total Cent. Sector	105.441	1141.314
6) PENCH (MS)	0.070	1.724	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-14.906	-158.047
1) TPCL Thermal	28.266	267.381	G) Bilateral Power *		
2) TPCL Hydro	3.987	38.080	1) MSEDCL Bilateral	42.305	370.350
TOTAL TPCL	32.253	305.461	Include PX	6.023	16.221
3) REL Thermal	12.548	123.554	2) MUMBAI Bilateral	16.292	159.931
D) STATE			Include PX	3.259	49.594
1) Thermal (A1+C1+C3)	159.805	1528.640	3) MUMBAI Schedule	16.292	159.931
2) Hydro (A2+B5+C2)	21.811	192.346	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.445	92.753	1) MSEDCL	309.804	3080.304
4) Wind (B4)	12.486	134.009	2) TPCL	38.799	380.391
5) CPP (B1+B2+B3)	62.523	450.744	3) REL	20.910	206.661
TOTAL STATE	264.070	2398.492	TOTAL STATE	369.513	3667.356

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4971	5049	4898
MSGENCO Hydro	1402	833	333
MSGENCO Gas	310	303	313
MSGENCO Total Generation	6683	6185	5544
Central Sector Receipt	4522	4195	4492
WIND	394	742	585
CPP / IPP	2658	2609	2595
Exchange with Mumbai	-799	-821	-290
MSEDCL DEMAND MET	13458	12910	12926
Load Shedding	549	426	213
MSEDCL DEMAND	14007	13336	13139
TPCL GENERATION	1577	1591	1097
R-INFRA GENERATION	521	523	524
TPCL+R-INFRA DEMAND	2897	2935	1911
STATE DEMAND MET	16355	15845	14837
STATE DEMAND	16904	16271	15050
Frequency (Hz)	50.00	50.04	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.52 Hz at 18.00 Hrs	49.67 Hz at 11.06 Hrs	50.03	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/May/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.21	32.69	150	110	110
Unit 6	3.35	31.78	154	125	135
Unit 7	3.33	36.05	170	105	120
Total	9.89	100.52			365
Bhusawal					
Unit 2	3.60	31.94	155	145	160
Unit 3	3.65	36.42	160	145	160
Unit 4	9.82	78.92	440	345	430
Unit 5	0.00	0.00	0	0	
Total	17.08	147.28			750
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	3.97	37.20	173	138	165
Unit 2	4.00	31.77	172	161	165
Unit 3	4.79	45.82	206	184	200
Unit 4	4.25	41.25	200	120	180
Unit 5	10.61	102.71	460	400	450
Unit 6	10.05	93.82	445	352	425
Unit 7	7.79	68.02	339	301	350
Total	45.45	420.59			1935
Paras					
Unit 3	5.65	53.95	252	220	230
Unit 4	5.31	51.61	240	184	220
Total	10.96	105.55			450
Khaparkheda					
Unit 1	3.42	29.04	160	120	140
Unit 2	3.57	37.32	155	135	160
Unit 3	3.41	37.94	153	133	160
Unit 4	3.47	40.75	167	131	150
Unit 5	8.51	94.96	389	329	350
Total	22.37	240.03			960
Nasik					
Unit 3	4.46	41.26	195	175	195
Unit 4	4.25	39.37	180	173	180
Unit 5	4.54	43.11	196	176	195
Total	13.24	123.74			570
Uran					
All Units	7.44	92.75	316	300	300
Total	7.44	92.75			300
PENCH (MS)					
Pench (MS)	0.07	1.72	40	0	
Total	0.07	1.72			
Koyna					
Stage 1-2	3.74	39.03	425	40	600
Stage 4	8.08	58.19	852	0	250
Stage 3	2.73	21.41	178	0	240
Kovna 12&4 Total	11.83	97.22			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	14.56	118.63			1090
Hydro					
KDPH	0.82	6.28	35	34	33
VTRNA	0.90	9.06	61	0	60
TILLARI	0.35	3.36	60	0	60
BHTGR/VEER	0.00	0.36	0	0	2
BHIRA T.R.	0.22	2.08	80	0	58
RNGR+BHTSA	0.18	2.79	12	0	15
BHANDARDRA	0.20	2.82	9	8	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.52	4.90	22	21	0
GHATGHAR	0.00	2.27	0	0	0
Total	3.20	33.91			228
Wind					
MalharPeth	0.35	5.15			
Vankuswadi	0.56	7.35			
ATIT	0.42	2.68			
Kale	0.42	3.47			
Satara	0.37	7.57			
Shirala	0.50	3.71			
K Mahankal	0.34	8.74			
Supa	0.04	1.08			
Vita	0.73	9.86			
Dondaicha	5.86	58.29			
Sakri	0.63	7.23			
Nandurbar	0.79	6.13			
Khandke	0.77	6.02			
Khaparale	0.70	6.73			
Total	12.49	134.01			
CPP					
JSW JAIGAD	28.62	263.22	1204	1137	1095
WARDHA	7.37	77.58	311	304	330
Adani	13.80	141.36	610	400	617
Other CPPs	12.73	96.14			197
Total	62.52	578.30			2239
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.90	111.22	503	473	500
Trombay 6	5.74	51.72	453	152	500
Trombay 7A	2.96	29.48	125	120	120
Trombay 7B	1.62	16.09	68	67	60
Trombay 8	6.04	58.87	253	251	250
TATA Hydro	3.99	38.08	352	0	447
Total	32.25	305.46			1877
REL					
1&2	12.55	123.55	525	520	500
Total	12.55	123.55			500
Cent Sect					
Share					4650
Total					4650

MS PG CL	Thermal	118.99	1137.70			5030
	Thml+Gas	126.44	1230.46			5330
	Hydro	17.75	152.54			1318
	Total	144.19	1383.00			6648
State Total		264.07	2398.49			15914

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 10/May/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	4921	687	315	5923	595	2655	4410	5144	-711	-682	13635	143	13778	2345	16123	49.96
2	4881	474	315	5670	597	2668	4308	4972	-608	-514	13393	185	13578	2135	15713	50.04
3	4917	297	316	5530	627	2660	4055	4753	-516	-364	13206	199	13405	2001	15406	49.99
4	4898	333	313	5544	585	2595	3928	4492	-467	-290	12926	213	13139	1911	15050	50.02
5	4925	355	313	5593	447	2605	3932	4534	-467	-238	12941	251	13192	1858	15050	49.96
6	4923	744	316	5983	433	2597	3926	4428	-467	-283	13158	416	13574	1904	15478	49.99
7	4897	328	315	5540	454	2601	3910	4300	-482	-254	12641	865	13506	1873	15379	50.07
8	4897	438	315	5650	292	2602	3914	4322	-482	-366	12500	857	13357	1989	15346	50.07
9	5008	603	310	5921	381	2598	3977	4384	-502	-511	12773	812	13585	2280	15865	50.08
10	4985	1092	314	6391	328	2659	4410	4646	-669	-639	13385	569	13954	2640	16594	50.03
11	4971	1402	310	6683	394	2658	4572	4522	-850	-799	13458	549	14007	2897	16904	50.00
12	4963	1118	311	6392	500	2647	4728	4296	-946	-893	12942	685	13627	2976	16603	49.98
13	4891	1270	308	6469	530	2533	4136	4019	-953	-902	12649	823	13472	2980	16452	50.03
14	4878	1359	305	6542	637	2405	3976	3963	-926	-853	12694	728	13422	2865	16287	50.04
15	4980	1258	306	6544	614	2403	4291	4203	-934	-880	12884	566	13450	2924	16374	49.95
16	4997	1222	300	6519	642	2453	4366	4590	-949	-894	13310	469	13779	2976	16755	50.00
17	5049	833	303	6185	742	2609	4035	4195	-876	-821	12910	426	13336	2935	16271	50.04
18	5084	232	307	5623	808	2625	3433	3203	-570	-631	11628	574	12202	2856	15058	50.23
19	5040	214	306	5560	759	2644	3613	3500	-559	-762	11724	316	12040	2638	14678	50.15
20	4979	468	306	5753	490	2661	4002	4240	-631	-729	12455	449	12904	2681	15585	49.96
21	5029	430	311	5770	383	2670	4180	4653	-655	-607	12876	314	13190	2608	15798	50.05
22	5017	431	309	5757	412	2663	4157	4576	-625	-574	12834	188	13022	2518	15540	50.08
23	5023	958	309	6290	439	2654	4099	4687	-696	-669	13401	141	13542	2468	16010	50.02
24	4838	1208	312	6358	397	2658	4095	4819	-750	-751	13481	128	13609	2449	16058	50.06
MUs	118.99	17.75	7.44	144.19	12.49	62.52	98.45	105.44	-16.29	-14.91	309.80	10.87	320.67	59.71	380.38	50.03

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/May/2013

Position as on 6.30 Hrs of 11/May/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.	
Koyna Unit 12	80	29/11/2012	08.30		Continued.	A/OH.	
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.	
Cent_Sect TARAPUR-3	540	30/03/2013	22.30		Continued.	AOH.	
Cent_Sect NTPC(V-4)	210	23/04/2013	00.12		Continued.	AOH.	
Koyna Unit 11	80	10/05/2013	22.00	11/05/2013	05.15	Trashrack work of U-12	
FORCED OUTAGE							
Dabhol 2B	230	03/01/2013	13.29		Continued.	Gas shortage.	
CPP Adani U-2	660	22/04/2013	13.47		Continued.	ID fan problem.	
Bhusawal Unit 5	500	24/04/2013	10.30		Continued.	Bunkering problem.	
Cent_Sect Sipat-4	500	27/04/2013	21.21		Continued.	Coal Shortage.	
Uran Unit 7	108	28/04/2013	22.54		Continued.	Boiler Duct Renovation.	
CPP WPCL U-2	135	29/04/2013	00.28		Continued.	Bottom Ash Conveying Problem.	
Dabhol 1B	230	03/05/2013	18.05		Continued.	Gas Shortage	
Dabhol 3B	230	03/05/2013	18.05		Continued.	Gas Shortage	
Dabhol 1X	290	05/05/2013	09.41		Continued.	Gas Shortage.	
Dabhol 1A	230	05/05/2013	09.42		Continued.	Gas Shortage.	
Uran Unit B0	120	07/05/2013	00.06		Continued.	C T & P T Replacement Work. Upto 18.5.13.	
Uran Unit 8	108	07/05/2013	00.15		Continued.	Turbine Blade & Mixing Chamber Work Upto 18.5.13.	
Dabhol 3A	230	07/05/2013	15.40		Continued.	Gas shortage.	
Dabhol 3X	290	07/05/2013	15.42		Continued.	Gas shortage.	
Dabhol 2X	290	08/05/2013	19.42	10/05/2013	18.11	Gas shortage.	
Dabhol 2A	230	09/05/2013	21.40	10/05/2013	12.13	Gas shortage.	
Dabhol 2X	290	11/05/2013	04.28		Continued.	Gas Shortage	
Dabhol 2A	230	11/05/2013	04.30		Continued.	Gas Shortage	

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

Position as on 6.30 Hrs of 11/May/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Boiser	13/04/2013	10.33		Continued.	Mumbai Stengthening Work & Now Line Tarapur-Ghodbunder.(one month)
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Parli (PG) - Wardha (PG) - II	10/05/2013	10.30	10/05/2013	15.17	Hot Spot
Dabhol - NewKoyna - II	10/05/2013	11.06	10/05/2013	12.57	Hot Spot (Taken on TBC)
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Nasik - Navasari - II	09/05/2013	10.12		Continued.	Emergency outage at Navsari end.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Seoni - I	29/04/2013	17.18		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	07/05/2013	16.50		Continued.	Over Voltage.
Dhule - S'Sarovar- II	08/05/2013	17.39	10/05/2013	11.06	Over Voltage.
Kolhapur - Mapusa - I	09/05/2013	16.40	10/05/2013	09.26	Over Voltage.
Solapur PG - Parly PG - I	10/05/2013	09.15	10/05/2013	15.27	To control Loading Wardha PG Line
Dhule-S'Sarovar I	10/05/2013	22.03		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50MVAR Line Reactor on Bhusawal- Akola at BSL End	04/05/2013	12.05		Continued.	Overhauling of Line Reactor upto 21-5-2013
400/220KV 500 MVA ICT I at Kalwa	10/05/2013	07.18	10/05/2013	13.57	CT Tan Delta and Maint.work
Karad-Jaigad II	10/05/2013	07.51	10/05/2013	12.58	Polymer Insulator replacement
400/220 KV 500 MVA ICT - II at Khaparkheda	10/05/2013	08.43	10/05/2013	17.15	Measurement of Tan Delta
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbandar - Bhoisor (MSETCL)	13/04/2013	10.09		Continued.	Mumbai Strengthening Work.
Parbhani-Girawali	10/05/2013	08.04	10/05/2013	18.13	Replacement of Arcing Horn
Talandge - Sawantwadi	10/05/2013	08.34	10/05/2013	18.08	Insulator washing
Kalwa - Airoli - Knowledge Park.	10/05/2013	09.03	10/05/2013	16.18	R.M.work
Wadkhal - Ndil - 2	10/05/2013	10.01	10/05/2013	16.55	Maint.work
Amalner - Dondaicha	10/05/2013	10.35	10/05/2013	13.50	Replacement of R Phase CT
Parli-Usmanabad	10/05/2013	13.13	10/05/2013	17.21	A/R and relay testing work
Chalishaon - Malegaon	10/05/2013	14.22	10/05/2013	16.16	Measurement of Tan Delta
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
400/220 KV 105 MVA Spare ICT Unit @ Bhusawal - II	02/02/2013	10.17		Continued.	Low Oil Pressure Alarm Received.
400/220KV 500MVA ICT-II at Warora	07/02/2013	17.57		Continued.	Hand Tripped.
Bhusawal - Deepnagar - I	05/04/2013	09.26		Continued.	Over Voltage.
Bhusawal- Aurangabad	09/05/2013	17.35	10/05/2013	09.13	Over Voltage.
Bhusawal- Aurangabad	10/05/2013	15.53		Continued.	Over Voltage

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

Position as on 6.30 Hrs of 11/May/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - II	10/05/2013	17.06	11/05/2013	06.28	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	12/04/2013	17.57		Continued.	To Control Over Loading of 220KV Paras-Chikhali.
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.
Warora- Tirora -II	25/04/2013	16.53		Continued.	Distance protection.
400/11.5 KV 90 MVA Station T/F -III @ Chandrapur	26/04/2013	15.38		Continued.	Differential Protection Operated OLTC Buchholz Protection Operated Buchholz Alarm.MTR Operated.
Voltage Level : 220KV			Outage Type TRIPPED		
Usmanabad-Paranda	25/04/2013	16.36		Continued.	Distance protection(4 Nos of Tower Collapsed)
Paranda-Barshi	25/04/2013	17.39		Continued.	Distance protection(Ckt Under Breakdown)
Khadka-Bhadli-II	09/05/2013	08.00	10/05/2013	11.35	Main breaker overhaul.(Ckt.is on TBC.)
Ghodbandar - Bhoisor (MSETCL)	11/05/2013	06.02		Continued.	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Elichpur - Hingoli	10/05/2013	11.03	10/05/2013	19.06	Load Trimming Scheme operated

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 11/May/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	150
Unit 7	210	150
	620	440
Bhusawal		
Unit 2	210	160
Unit 3	210	160
Unit 4	500	430
Unit 5	500	
	1420	750
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	0
	1130	0
Chandrapur		
Unit 1	210	165
Unit 2	210	165
Unit 3	210	200
Unit 4	210	200
Unit 5	500	400
Unit 6	500	350
Unit 7	500	330
	2340	1810
Paras		
Unit 3	250	235
Unit 4	250	235
	500	470
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	160
Unit 4	210	160
Unit 5	500	425
	1340	1065
Nasik		
Unit 3	210	195
Unit 4	210	180
Unit 5	210	195
	630	570
Uran		
All Units	852	300
	852	300
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	33
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	2
BHIRA T.R.	80	58
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	228
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	1100
WARDHA	405	320
Adani	1320	617
Other CPPs	300	228
	3225	2265
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	4535
	3455	4535