



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

State Load Dispatch Center, Airoli

Daily system Report

for

03/Jun/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 03/Jun/2013 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	97.124	304.784	1) Gujrat	1.784	10.706
2) Hydro	11.306	32.404	2) Madhya Pradesh	16.539	49.790
3) Gas	7.494	22.098	3) Chattisgarh	10.120	31.630
Total MSGENCO	115.924	359.286	4) Maharashtra	66.588	198.952
B) 1) JSW JAIGAD	27.523	83.554	5) Goa	-5.679	-17.812
2) WPCL	8.342	23.725	6) TAPS 1&2 Injection	3.921	11.461
3) ADANI	15.150	42.800	7) RGPPL Injection	13.674	40.777
4) Other CPP / IPP	10.957	31.385	8) Pench (Excess)	-0.189	-0.635
5) Wind Generation	8.348	39.005	# Total Cent. Sector	106.758	324.869
6) PENCH (MS)	0.189	0.635	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-17.842	-49.702
1) TPCL Thermal	26.577	76.153	G) Bilateral Power *		
2) TPCL Hydro	4.730	11.427	1) MSEDCL Bilateral	34.146	101.880
TOTAL TPCL	31.307	87.580	Include PX	0.000	1.613
3) REL Thermal	11.535	35.688	2) MUMBAI Bilateral	18.710	51.660
D) STATE			Include PX	4.106	9.603
1) Thermal (A1+C1+C3)	135.236	416.625	3) MUMBAI Schedule	18.710	51.660
2) Hydro (A2+B5+C2)	16.225	44.466	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.494	22.098	1) MSEDCL	275.349	855.557
4) Wind (B4)	8.348	39.005	2) TPCL	39.622	111.745
5) CPP (B1+B2+B3)	61.972	153.814	3) REL	21.060	61.220
TOTAL STATE	229.275	676.008	TOTAL STATE	336.031	1028.522

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	3963	4010	4109
MSGENCO Hydro	1126	518	94
MSGENCO Gas	304	318	300
MSGENCO Total Generation	5393	4846	4503
Central Sector Receipt	4825	4745	4022
WIND	112	449	167
CPP / IPP	2643	2666	2426
Exchange with Mumbai	-826	-909	-429
MSEDCL DEMAND MET	12151	11797	10689
Load Shedding	524	332	187
MSEDCL DEMAND	12675	12129	10876
TPCL GENERATION	1705	1585	1073
R-INFRA GENERATION	523	524	391
TPCL+R-INFRA DEMAND	3054	3018	1893
STATE DEMAND MET	15205	14815	12582
STATE DEMAND	15729	15147	12769
Frequency (Hz)	49.87	50.08	50.09

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.56 Hz at 06.00 Hrs	49.5 Hz at 19.23 Hrs	50	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 03/Jun/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.41	6.00	95	0	70
Unit 6	1.98	7.32	106	50	60
Unit 7	2.16	7.12	120	60	95
Total	4.55	20.44			225
Bhusawal					
Unit 2	1.57	8.33	155	0	140
Unit 3	0.00	2.46	0	0	0
Unit 4	7.78	19.86	430	260	290
Unit 5	0.00	9.31	0	0	
Total	9.36	39.96			430
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	3.64	11.05	155	144	165
Unit 2	3.81	11.31	165	147	165
Unit 3	4.25	13.50	200	158	200
Unit 4	3.31	11.47	163	122	160
Unit 5	9.53	28.67	435	365	425
Unit 6	9.42	29.01	423	365	440
Unit 7	8.86	27.27	410	336	400
Total	42.81	132.28			1955
Paras					
Unit 3	5.81	16.35	258	213	250
Unit 4	5.82	16.48	261	196	250
Total	11.63	32.84			500
Khaparkheda					
Unit 1	2.36	8.00	130	80	140
Unit 2	3.26	9.91	150	105	140
Unit 3	3.46	10.84	154	133	140
Unit 4	0.00	1.62	0	0	0
Unit 5	7.14	19.17	342	260	325
Total	16.22	49.53			745
Nasik					
Unit 3	4.25	12.84	190	165	195
Unit 4	4.09	12.30	181	141	180
Unit 5	4.22	4.59	193	156	195
Total	12.56	29.73			570
Uran					
All Units	7.49	22.10	322	300	290
Total	7.49	22.10			290
PENCH (MS)					
Pench (MS)	0.19	0.64	26	0	
Total	0.19	0.64			
Koyna					
Stage 1-2	3.34	8.69	445	40	520
Stage 4	2.54	7.84	546	0	250
Stage 3	1.45	3.81	240	0	240
Kovna 12&4 Total	5.88	16.53			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	7.33	20.34			1010
Hydro					
KDPH	0.37	1.10	16	15	16
VTRNA	0.63	1.85	61	0	60
TILLARI	0.36	1.02	60	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.08	0.63	64	0	80
RNGR+BHTSA	0.24	0.74	11	10	10
BHANDARDRA	0.24	0.60	10	10	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.35	1.08	15	14	10
GHATGHAR	1.70	5.05	250	0	0
Total	3.98	12.06			236
Wind					
MalharPeth	0.22	1.03			
Vankuswadi	0.43	1.99			
ATIT	0.06	0.27			
Kale	0.16	0.80			
Satara	2.02	7.72			
Shirala	0.24	0.82			
K Mahankal	0.05	0.15			
Supa	0.04	0.24			
Vita	1.43	4.24			
Dondaicha	2.71	15.78			
Sakri	0.30	2.06			
Nandurbar	0.29	1.64			
Khandke	0.21	0.81			
Khaparale	0.19	1.44			
Total	8.35	39.00			
CPP					
JSW JAIGAD	27.52	83.55	1207	1100	1097
WARDHA	8.34	23.72	366	320	365
Adani	15.15	42.80	940	590	617
Other CPPs	10.96	31.38			184
Total	61.97	181.46			2263
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.62	33.02	502	416	500
Trombay 6	4.35	11.63	391	0	445
Trombay 7A	2.95	8.61	125	119	120
Trombay 7B	1.61	4.78	68	66	60
Trombay 8	6.04	18.11	253	248	250
TATA Hydro	4.73	11.43	429	0	447
Total	31.31	87.58			1822
REL					
1&2	11.54	35.69	525	387	500
Total	11.54	35.69			500
Cent Sect					
Share					4823
Total					4823

MS PG CL	Thermal	97.12	304.78			4425
	Thml+Gas	104.62	326.88			4715
	Hydro	11.31	32.40			1246
	Total	115.92	359.29			5961
State Total		229.28	676.01			15369

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 03/Jun/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	4073	94	300	4467	547	2468	4739	4451	-779	-792	11153	126	11279	2342	13621	50.01
2	4015	89	300	4404	287	2379	4580	4676	-704	-718	11028	166	11194	2184	13378	50.05
3	4047	94	300	4441	171	2419	4469	4588	-646	-565	11054	166	11220	2038	13258	50.11
4	4077	89	300	4466	161	2418	4483	4253	-586	-463	10835	164	10999	1940	12939	50.12
5	4109	94	300	4503	167	2426	4438	4022	-551	-429	10689	187	10876	1893	12769	50.09
6	4060	99	300	4459	145	2420	4420	4098	-534	-466	10656	287	10943	1918	12861	50.09
7	4053	99	318	4470	67	2439	4426	4054	-545	-438	10592	635	11227	1882	13109	50.24
8	4121	89	317	4527	53	2461	4424	4361	-556	-504	10898	637	11535	1972	13507	50.15
9	4091	217	320	4628	73	2498	4468	4509	-700	-541	11167	616	11783	2267	14050	50.00
10	4142	866	321	5329	100	2559	4312	4393	-831	-768	11613	466	12079	2656	14735	49.93
11	4061	1125	322	5508	168	2662	4549	4761	-919	-862	12237	450	12687	2945	15632	49.93
12	3963	1126	304	5393	112	2643	4726	4825	-973	-826	12151	524	12675	3054	15729	49.87
13	3993	1174	303	5470	78	2657	4779	4832	-1008	-858	12204	644	12848	3106	15954	49.93
14	4014	1215	314	5543	88	2665	4711	4908	-948	-838	12392	526	12918	3044	15962	49.92
15	3988	1489	312	5789	144	2687	4643	4684	-972	-863	12467	403	12870	3111	15981	49.78
16	3988	1582	310	5880	218	2649	4676	4596	-1012	-888	12481	359	12840	3106	15946	49.92
17	4010	518	318	4846	449	2666	4712	4745	-978	-909	11797	332	12129	3018	15147	50.08
18	3992	171	320	4483	586	2514	4245	4371	-671	-998	10956	436	11392	2913	14305	50.05
19	4039	166	321	4526	526	2466	4006	4209	-616	-933	10799	291	11090	2771	13861	50.05
20	4048	237	316	4601	681	2611	4298	4341	-647	-800	11460	264	11724	2662	14386	49.90
21	4099	212	320	4631	934	2699	4792	4493	-790	-828	11955	163	12118	2592	14710	49.97
22	4115	156	317	4588	780	2818	4855	4096	-802	-867	11425	115	11540	2470	14010	50.00
23	4061	153	321	4535	906	2810	4791	4296	-924	-904	11646	105	11751	2411	14162	49.85
24	3965	152	320	4437	907	2918	4766	4196	-1017	-784	11674	86	11760	2389	14149	49.96
MUs	97.12	11.31	7.49	115.92	8.35	61.95	109.31	106.76	-18.71	-17.84	275.33	8.15	283.48	60.68	344.16	50.00

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 03/Jun/2013

Position as on 6.30 Hrs of 04/Jun/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.	
Uran Unit 8	108	07/05/2013	00.15		Continued.	Turbine Blade & Mixing Chamber Work	
Cent_Sect NTPC (V-1)	210	17/05/2013	00.15		Continued.	Annual Overhaul	05/06/2013
Khaparkheda Unit 4	210	01/06/2013	12.31		Continued.	Annual Overhaul	26/06/2013
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.	
Dabhol 1A	230	23/05/2013	12.58		Continued.	Gas Shortage	
Koyna Unit 8	80	23/05/2013	15.30		Continued.	Bearing temp.high.	12/06/2013
Dabhol 3B	230	28/05/2013	21.58		Continued.	Gas shortage.	
Dabhol 1X	290	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
CPP Adani U-3	660	30/05/2013	17.36	03/06/2013	20.22	Tripped	
Uran Unit 6	108	30/05/2013	22.26		Continued.	Gas Shortage	
CPP INDIABULLS	270	31/05/2013	20.53	03/06/2013	18.20	Tripped during Bus Transfer	
Bhusawal Unit 3	210	01/06/2013	21.13		Continued.	ID Fan Problem	
Bhusawal Unit 5	500	01/06/2013	23.05		Continued.	Drum Level Prot.Operated	
Koradi Unit 5	200	03/06/2013	06.44		Continued.	Vaccum Prot.operated	
Bhusawal Unit 2	210	03/06/2013	14.34		Continued.	ID Fan replacement	
Tata Trombay 6	500	03/06/2013	17.58	03/06/2013	23.41	Generator Prot.Operated	
CPP INDIABULLS	270	03/06/2013	23.41	04/06/2013	01.36	Condenser Vaccum Low	
CPP INDIABULLS	270	04/06/2013	02.58		Continued.	Problem in HP Bypass Valve	
CPP Adani U-3	660	04/06/2013	04.11		Continued.	Boiler Tube Leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Jun/2013

Position as on 6.30 Hrs of 04/Jun/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	31/05/2013	17.52		Continued.	Over Voltage
Kolhapur-Mapusa-II	02/06/2013	16.07		Continued.	Over Voltage
Parly(PG)- Solapur(PG) - II	02/06/2013	17.16		Continued.	Over Voltage
Parli (PGCIL)-Bhadravati-II	02/06/2013	19.24		Continued.	Over Voltage
765 KV Wardha - Seoni - I	02/06/2013	20.11		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Solapur (PGCIL)	02/06/2013	17.59	03/06/2013	07.18	Over Voltage
Dhule-S'Sarovar I	02/06/2013	18.01		Continued.	Over Voltage
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC Pole I Padgha	03/06/2013	18.40	04/06/2013	00.35	Work at Padgha end
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV,500 MVA ICT-III at Kolhapur	01/06/2013	12.17	03/06/2013	17.32	Insulator Coating to IPS Tube
400/220 KV 315 MVA ICT-II @ Nagothane.	03/06/2013	09.43	03/06/2013	17.22	P.M.Work
400/220 KV,500MVA ICT-II at Deepnagar.	03/06/2013	10.30	03/06/2013	15.45	Tan Delta Measurement
400/220KV 315 MVA ICT-II @ Padgha	03/06/2013	10.35	03/06/2013	13.06	Wrapping paper on T/F Auxiliary
Main Bus - I @ Lamboti.	03/06/2013	10.44	03/06/2013	15.56	Changing of Spare ICT
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.Outage for 10days.
Karad-Mudsingi-IV	03/06/2013	10.03	03/06/2013	14.38	A.M.Work
220/132 KV 200 MVA ICT - I @ Akola	03/06/2013	10.05	03/06/2013	13.47	Premonsoon maint.work
Lote - N.Koyna	03/06/2013	10.44	03/06/2013	13.39	Red Hot
Pawas-Kharepatan	03/06/2013	13.02	03/06/2013	19.45	Maintenance work
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV 500 MVA ICT-II at Lamboti	30/05/2013	01.27		Continued.	To attend buchholz relay problem.
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- Aurangabad	01/06/2013	09.03		Continued.	Over Voltage
Khadka - Deepnagar - II	02/06/2013	10.49		Continued.	Over Voltage
Karad - Kolhapur - I	02/06/2013	16.38	03/06/2013	08.46	Over Voltage
Karad - Kolhapur - II	03/06/2013	16.40		Continued.	Over Voltage
Karad - Kolhapur - I	04/06/2013	01.58		Continued.	Over Voltage
Warora-Tiroda-I	04/06/2013	03.54		Continued.	Hand Tripped

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Jun/2013

Position as on 6.30 Hrs of 04/Jun/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	27/05/2013	17.23		Continued.	To avoid over loading by taking line in grid.
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-Tiroda-I	30/05/2013	17.36	03/06/2013	21.23	Distance Protection
Karad - Kolhapur - II	02/06/2013	17.59	03/06/2013	10.44	Over Voltage
Karad-Jaigad I	02/06/2013	17.59	03/06/2013	09.30	Distance protection
Bableshwar-Aurangabad	03/06/2013	03.52	03/06/2013	08.15	Distance Protection
Padgha - Nagothane - I	03/06/2013	15.36		Continued.	Distance Protection
Padgha - Nagothane- II	03/06/2013	15.36	03/06/2013	15.46	Distance Protection
400/220KV 315MVA ICT at Akola.	03/06/2013	22.06	03/06/2013	23.40	NDR Prot. 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)
Girwali - Parbhani	02/06/2013	19.25	03/06/2013	07.14	Distance protection
BBLSR-Waluj	02/06/2013	22.10		Continued.	Distance protection
Babhaleshwar-Nasik-II	03/06/2013	00.04	03/06/2013	07.52	Distance protection
Kandalgaon-Bhira	03/06/2013	15.30		Continued.	LA Burst at Bhira
Nagothane-IPCL	03/06/2013	16.08	03/06/2013	19.57	Distance Protection
Wadkhal - Ndil - 2	03/06/2013	16.20	03/06/2013	18.35	Distance Protection
220/132KV 200MVA ICT II At Girwali	03/06/2013	20.57	03/06/2013	21.47	Directional E/F relay operated
220/132 KV 200MVA ICT I at Girwali	03/06/2013	20.57	03/06/2013	21.45	Directional E/F relay operated
Voltage Level : 132KV			Outage Type TRIPPED		
Nasik - Ambad	03/06/2013	03.19	03/06/2013	10.52	Distance protection
Giravali-Latur	03/06/2013	20.57	03/06/2013	22.39	Distance Protection
Malkapur - Khamgaon	03/06/2013	21.36	03/06/2013	21.50	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 04/Jun/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	100
Unit 7	210	130
	620	230
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	430
Unit 5	500	0
	1420	430
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	160
Unit 2	210	160
Unit 3	210	200
Unit 4	210	150
Unit 5	500	370
Unit 6	500	370
Unit 7	500	370
	2340	1780
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	100
Unit 2	210	120
Unit 3	210	160
Unit 4	210	0
Unit 5	500	275
	1340	655
Nasik		
Unit 3	210	190
Unit 4	210	180
Unit 5	210	190
	630	560
Uran		
All Units	852	320
	852	320
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	240
	1920	1010
Hydro		
KDPH	40	18
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
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	365
Adani	1320	617
Other CPPs	300	184
	3225	2266
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	4698
	3455	4698