



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

State Load Dispatch Center, Airoli

Daily system Report

for

05/May/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 05/May/2013 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.442	563.424	1) Gujrat	13.210	63.809
2) Hydro	8.879	37.048	2) Madhya Pradesh	20.029	96.473
3) Gas	10.707	52.401	3) Chattisgarh	8.850	44.420
Total MSGENCO	136.028	652.873	4) Maharashtra	61.836	304.052
B) 1) JSW JAIGAD	27.646	122.096	5) Goa	-6.041	-31.426
2) WPCL	7.843	39.277	6) TAPS 1&2 Injection	3.767	19.165
3) ADANI	14.540	72.360	7) RGPPL Injection	9.631	106.571
4) Other CPP / IPP	7.260	39.887	8) Pench (Excess)	-0.283	-0.859
5) Wind Generation	18.792	69.735	# Total Cent. Sector	110.999	602.205
6) PENCH (MS)	0.283	0.859	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-12.726	-85.496
1) TPCL Thermal	23.802	125.255	G) Bilateral Power *		
2) TPCL Hydro	2.041	15.986	1) MSEDCL Bilateral	34.056	173.971
TOTAL TPCL	25.843	141.241	Include PX	0.000	2.265
3) REL Thermal	12.280	60.824	2) MUMBAI Bilateral	12.893	79.418
D) STATE			Include PX	3.748	30.156
1) Thermal (A1+C1+C3)	152.524	749.503	3) MUMBAI Schedule	12.893	79.418
2) Hydro (A2+B5+C2)	11.203	53.893	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.707	52.401	1) MSEDCL	310.665	1513.796
4) Wind (B4)	18.792	69.735	2) TPCL	32.504	185.688
5) CPP (B1+B2+B3)	57.289	215.800	3) REL	18.345	101.869
TOTAL STATE	250.515	1141.332	TOTAL STATE	361.514	1801.353

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4885	5015	4751
MSGENCO Hydro	816	360	132
MSGENCO Gas	443	436	455
MSGENCO Total Generation	6144	5811	5338
Central Sector Receipt	4859	4565	4646
WIND	476	943	825
CPP / IPP	2427	2388	2351
Exchange with Mumbai	-418	-445	-520
MSEDCL DEMAND MET	13513	13269	12640
Load Shedding	621	426	188
MSEDCL DEMAND	14134	13695	12828
TPCL GENERATION	1221	1231	881
R-INFRA GENERATION	524	522	525
TPCL+R-INFRA DEMAND	2163	2198	1926
STATE DEMAND MET	15676	15467	14566
STATE DEMAND	16297	15893	14754
Frequency (Hz)	50.09	50.05	50.19

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.39 Hz at 19.00 Hrs	49.57 Hz at 23.46 Hrs	50.05	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 05/May/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.43	17.16	160	130	145
Unit 6	3.42	16.83	162	115	120
Unit 7	3.80	19.52	172	135	165
Total	10.65	53.51			430
Bhusawal					
Unit 2	3.86	18.80	165	155	160
Unit 3	3.88	18.79	170	155	160
Unit 4	8.95	30.33	425	325	450
Unit 5	0.00	0.00	0	0	
Total	16.68	67.92			770
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	3.59	18.08	161	130	160
Unit 2	3.86	12.16	170	153	160
Unit 3	4.56	23.01	203	172	200
Unit 4	4.31	21.39	191	144	200
Unit 5	9.86	51.47	445	370	400
Unit 6	9.01	49.59	450	0	400
Unit 7	8.62	38.83	410	335	370
Total	43.80	214.54			1890
Paras					
Unit 3	5.12	26.39	242	198	220
Unit 4	5.19	25.68	241	188	230
Total	10.31	52.07			450
Khaparkheda					
Unit 1	0.12	13.63	100	0	0
Unit 2	3.75	18.56	180	125	160
Unit 3	3.53	18.84	157	140	150
Unit 4	4.09	20.62	191	159	170
Unit 5	10.48	45.80	472	360	440
Total	21.96	117.44			920
Nasik					
Unit 3	4.43	19.06	190	175	195
Unit 4	4.18	18.27	185	156	185
Unit 5	4.42	20.61	203	175	195
Total	13.02	57.95			575
Uran					
All Units	10.71	52.40	457	435	440
Total	10.71	52.40			440
PENCH (MS)					
Pench (MS)	0.28	0.86	27	0	
Total	0.28	0.86			
Koyna					
Stage 1-2	3.68	12.52	515	40	600
Stage 4	1.12	5.33	266	0	250
Stage 3	1.18	3.80	160	0	240
Kovna 12&4 Total	4.80	17.86			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.98	21.66			1090
Hydro					
KDPH	0.43	2.29	18	17	18
VTRNA	0.91	4.55	61	0	61
TILLARI	0.36	1.64	60	0	60
BHTGR/VEER	0.04	0.22	2	1	2
BHIRA T.R.	0.20	0.90	63	0	80
RNGR+BHTSA	0.28	1.42	12	11	13
BHANDARDRA	0.21	1.68	13	0	14
ELDARY	0.00	0.00	0	0	
SMLHY PTN	0.48	2.70	20	19	
GHATGHAR	0.00	0.00	0	0	
Total	2.90	15.39			248
Wind					
MalharPeth	0.67	3.00			
Vankuswadi	1.06	4.17			
ATIT	0.15	1.87			
Kale	0.40	1.93			
Satara	0.31	3.18			
Shirala	0.45	1.64			
K Mahankal	2.24	5.52			
Supa	0.18	0.58			
Vita	1.43	5.40			
Dondaicha	8.38	29.59			
Sakri	1.12	3.62			
Nandurbar	0.76	2.90			
Khandke	0.66	2.87			
Khaparale	0.97	3.48			
Total	18.79	69.74			
CPP					
JSW JAIGAD	27.65	122.10	1200	1032	1100
WARDHA	7.84	39.28	330	325	330
Adani	14.54	72.36	610	600	615
Other CPPs	7.26	39.89			
Total	57.29	273.62			2045
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.86	51.55	500	285	500
Trombay 6	3.60	22.29	150	149	500
Trombay 7A	2.95	14.71	125	119	120
Trombay 7B	1.60	8.03	68	66	60
Trombay 8	5.79	28.68	253	194	250
TATA Hydro	2.04	15.99	190	0	447
Total	25.84	141.24			1877
REL					
1&2	12.28	60.82	525	420	500
Total	12.28	60.82			500
Cent Sect					
Share					4471
Total					4471

MS PG CL	Thermal	116.44	563.42			5035
	Thml+Gas	127.15	615.82			5475
	Hydro	8.88	37.05			1338
	Total	136.03	652.87			6813
State Total		250.52	1141.33			15706

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/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	4963	587	455	6005	644	2420	4471	4975	-762	-639	13405	126	13531	2344	15875	49.95
2	4823	607	455	5885	692	2375	4374	4844	-662	-589	13207	163	13370	2173	15543	50.03
3	4775	303	455	5533	694	2348	4285	4858	-569	-566	12867	178	13045	2031	15076	49.94
4	4751	132	455	5338	825	2351	4231	4646	-511	-520	12640	188	12828	1926	14754	50.19
5	4763	100	456	5319	865	2345	4198	4660	-481	-479	12710	217	12927	1883	14810	50.04
6	4818	115	457	5390	745	2345	4164	4599	-449	-433	12650	410	13060	1888	14948	50.12
7	4790	90	456	5336	694	2355	4177	4427	-438	-520	12318	833	13151	1819	14970	50.06
8	4869	158	454	5481	667	2359	4140	4551	-403	-544	12540	841	13381	1789	15170	50.16
9	4847	257	445	5549	686	2352	4320	4646	-403	-422	12838	766	13604	1858	15462	50.26
10	4894	408	439	5741	673	2370	4096	4735	-408	-335	13195	563	13758	1970	15728	49.95
11	4856	651	435	5942	512	2419	4084	4891	-446	-347	13434	526	13960	2085	16045	50.12
12	4885	816	443	6144	476	2427	4270	4859	-497	-418	13513	621	14134	2163	16297	50.09
13	4915	592	437	5944	509	2425	4326	4836	-523	-399	13340	779	14119	2186	16305	49.94
14	4909	273	436	5618	577	2438	4328	4986	-528	-407	13223	672	13895	2178	16073	49.96
15	4959	531	437	5927	601	2439	4251	4822	-521	-409	13405	571	13976	2191	16167	49.75
16	4920	943	437	6300	809	2424	4142	4563	-532	-436	13685	495	14180	2203	16383	49.97
17	5015	360	436	5811	943	2388	4097	4565	-506	-445	13269	426	13695	2198	15893	50.05
18	4960	153	445	5558	1116	2342	3846	3666	-479	-677	12005	269	12274	2158	14432	50.00
19	4638	164	442	5244	1266	2294	3860	3897	-482	-813	11888	180	12068	2065	14133	50.19
20	4982	303	446	5731	1172	2258	4173	4256	-551	-697	12730	149	12879	2229	15108	50.11
21	5049	262	444	5755	1097	2421	4268	4264	-602	-616	12947	96	13043	2340	15383	49.96
22	4889	177	445	5511	859	2461	4334	4576	-645	-641	12777	83	12860	2366	15226	50.24
23	4617	254	449	5320	914	2468	4375	5051	-710	-689	13071	77	13148	2393	15541	49.99
24	4555	643	448	5646	756	2465	4388	4844	-783	-685	13026	77	13103	2413	15516	50.06
MUs	116.44	8.88	10.71	136.03	18.79	57.29	101.20	111.02	-12.89	-12.73	310.68	9.31	319.99	50.85	370.84	50.05

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 05/May/2013

Position as on 6.30 Hrs of 06/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.	
FORCED OUTAGE							
Dabhol 2B	230	03/01/2013	13.29		Continued.	Gas shortage.	
Dabhol 2A	230	06/02/2013	21.32		Continued.	Gas Shortage	
Dabhol 2X	290	06/02/2013	21.32		Continued.	Gas Shortage	
Hydro GhatgharU2	125	16/04/2013	10.30		Continued.	Water seepage from turbine spiral casing foundation.	
Hydro GhatgharU1	125	16/04/2013	20.00		Continued.	While working on U-2,Water leakage observed in penstock.	
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 NTPC (K-2)	210	27/04/2013	03.07	05/05/2013	20.40	Boiler Tube Leakage.	
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	
Khaparkheda Unit 1	210	05/05/2013	01.16	06/05/2013	07.10	Economiser Tube Leakage	
Dabhol 1X	290	05/05/2013	09.41		Continued.	Gas Shortage.	
Dabhol 1A	230	05/05/2013	09.42		Continued.	Gas Shortage.	
Chandrapur Unit 6	500	05/05/2013	21.35		Continued.	Boiler Tripped on R H Protection.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/May/2013

Position as on 6.30 Hrs of 06/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 HAND TRIPPED		
Wardha - Seoni - I	29/04/2013	17.18		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	04/05/2013	17.44		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	04/05/2013	17.55		Continued.	Over Voltage
Kolhapur - Mapusa - I	05/05/2013	17.18		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Bhadravati - IV	23/04/2013	17.51		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Khadka - Aurangabad	29/04/2013	08.55		Continued.	For diversion of 400KV BSL-A'bad line.
Main Bus - I @ Kalwa	03/05/2013	08.44	05/05/2013	15.21	Repair sleeve to broken Bus Conductor
Karad - Kolhapur - II	04/05/2013	11.03	05/05/2013	07.02	R.M.Work,ready for charging 18.52Hrs
50MVAR Line Reactor on Bhusawal- Akola at BSL End	04/05/2013	12.05		Continued.	Overhauling of Line Reactor upto 21-5-2013
Kalwa - Padgha - I	05/05/2013	07.32	05/05/2013	16.21	To Attend Hot Spot.
New Koyna - Jaigad - II	05/05/2013	08.16	05/05/2013	19.04	Polymer Insulator Replacement.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbandar - Bhoisor (MSETCL)	13/04/2013	10.09		Continued.	Mumbai Strengthening Work.
Gorai - Borivali - II	29/04/2013	10.25		Continued.	Repl.of faulty E/S.
Dahanu-Ghodbandar-II	05/05/2013	09.16	05/05/2013	10.35	Replacement of Vibration Damper @ Loc. No. 254.
Wadkhal - NDIL - I	05/05/2013	09.25	05/05/2013	14.20	For Cleaning & Testing of Equipments.
Tarapur - Ghodbundar	05/05/2013	11.15	05/05/2013	18.00	Attending Isolator Box Problem.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Amalner - Dharangaon	27/04/2013	11.05	05/05/2013	13.12	Reorientation Work for New 132 KV Nardane Line.
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.	Handtripped
Bhusawal - Deepnagar - I	05/04/2013	09.26		Continued.	Over Voltage.
Karad - Kolhapur - II	05/05/2013	17.06	06/05/2013	07.00	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.
Wadkhal-NDIL-3	05/05/2013	22.15		Continued.	Due to Sparking on Y Ph.Insulator.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5KV 90 MVA STN	25/09/2012	15.38		Continued.	Differential protection operated

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/May/2013

Position as on 6.30 Hrs of 06/May/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
T/F III @ 400KV C'PUR					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)
220/33 KV 100 MVA T/F @ Shivajinagar (Sakri)	05/05/2013	11.10	05/05/2013	11.35	L V O/C Protection Operated.
Kandalgaon - Sona Alloy	05/05/2013	12.58	05/05/2013	13.35	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Chalisgaon - Manmad - I	05/05/2013	16.56	05/05/2013	17.45	Distance Protection Operated Z-I Y-E.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 06/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	409
Unit 5	500	
	1420	729
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	200
Unit 5	500	450
Unit 6	500	0
Unit 7	500	325
	2340	1495
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	0
Unit 2	210	180
Unit 3	210	190
Unit 4	210	190
Unit 5	500	450
	1340	1010
Nasik		
Unit 3	210	195
Unit 4	210	185
Unit 5	210	195
	630	575
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	18
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	2
BHIRA T.R.	80	80
RNGR+BHTSA	20	12
BHANDARDRA	45	13
ELDARY	23	0
SMLHY PTN	12	
GHATGHAR	250	
	611	246
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	330
Adani	1320	615
Other CPPs	300	
	3225	2045
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	4740
	3455	4740