



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

State Load Dispatch Center, Airoli

Daily system Report

for

13/May/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 13/May/2013 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	113.595	1480.583	1) Gujrat	10.529	168.163
2) Hydro	20.785	196.323	2) Madhya Pradesh	20.410	262.607
3) Gas	7.364	114.975	3) Chattisgarh	9.980	117.610
Total MSGENCO	141.744	1791.881	4) Maharashtra	67.974	835.642
B) 1) JSW JAIGAD	28.598	348.078	5) Goa	-6.026	-82.150
2) WPCL	7.793	100.970	6) TAPS 1&2 Injection	3.885	49.688
3) ADANI	14.490	184.530	7) RGPPL Injection	0.000	120.578
4) Other CPP / IPP	11.933	132.753	8) Pench (Excess)	-0.605	-2.362
5) Wind Generation	12.977	175.727	# Total Cent. Sector	106.147	1469.776
6) PENCH (MS)	0.605	2.362	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-14.622	-196.416
1) TPCL Thermal	27.694	348.127	G) Bilateral Power *		
2) TPCL Hydro	4.800	47.785	1) MSEDCL Bilateral	39.146	500.899
TOTAL TPCL	32.494	395.912	Include PX	2.127	34.923
3) REL Thermal	12.552	160.973	2) MUMBAI Bilateral	15.916	204.543
D) STATE			Include PX	2.757	54.510
1) Thermal (A1+C1+C3)	153.841	1989.683	3) MUMBAI Schedule	15.916	204.543
2) Hydro (A2+B5+C2)	26.190	246.470	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.364	114.975	1) MSEDCL	309.665	4009.661
4) Wind (B4)	12.977	175.727	2) TPCL	39.000	487.720
5) CPP (B1+B2+B3)	62.814	596.291	3) REL	20.655	265.557
TOTAL STATE	263.186	3123.146	TOTAL STATE	369.320	4762.938

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	4734	4653	4809
MSGENCO Hydro	1546	1294	276
MSGENCO Gas	306	299	316
MSGENCO Total Generation	6586	6246	5401
Central Sector Receipt	5098	4717	3995
WIND	240	423	799
CPP / IPP	2709	2672	2554
Exchange with Mumbai	-873	-870	-251
MSEDCL DEMAND MET	13813	13238	12498
Load Shedding	610	454	128
MSEDCL DEMAND	14423	13692	12626
TPCL GENERATION	1611	1556	1093
R-INFRA GENERATION	523	524	525
TPCL+R-INFRA DEMAND	3007	2950	1869
STATE DEMAND MET	16820	16188	14367
STATE DEMAND	17430	16642	14495
Frequency (Hz)	49.89	49.97	50.26

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.41 Hz at 03.31 Hrs	49.62 Hz at 19.27 Hrs	50.01	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 13/May/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.74	39.71	130	0	0
Unit 6	0.00	36.85	0	0	0
Unit 7	4.16	47.31	200	140	145
Total	4.90	123.87			145
Bhusawal					
Unit 2	0.00	34.20	0	0	0
Unit 3	3.58	47.40	175	140	150
Unit 4	10.37	110.15	460	405	400
Unit 5	0.22	0.22	60	0	
Total	14.17	191.96			550
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	3.89	48.71	167	157	165
Unit 2	3.93	43.40	173	151	165
Unit 3	4.76	59.94	204	187	200
Unit 4	4.25	53.66	190	155	200
Unit 5	10.27	130.56	445	410	425
Unit 6	10.10	122.72	440	394	400
Unit 7	7.78	91.59	335	300	330
Total	44.97	550.58			1885
Paras					
Unit 3	5.90	70.36	258	229	250
Unit 4	5.95	68.42	260	240	250
Total	11.85	138.79			500
Khaparkheda					
Unit 1	3.46	39.24	180	110	190
Unit 2	3.70	47.76	175	134	180
Unit 3	4.14	48.95	187	160	190
Unit 4	4.18	52.56	190	160	190
Unit 5	9.03	123.87	463	334	425
Total	24.52	312.37			1175
Nasik					
Unit 3	4.36	54.25	190	170	190
Unit 4	4.25	52.09	180	172	180
Unit 5	4.56	56.67	195	175	195
Total	13.18	163.02			565
Uran					
All Units	7.36	114.98	318	272	300
Total	7.36	114.98			300
PENCH (MS)					
Pench (MS)	0.60	2.36	53	0	
Total	0.60	2.36			
Koyna					
Stage 1-2	5.42	52.25	535	35	600
Stage 4	7.92	71.87	840	0	250
Stage 3	3.00	27.23	238	0	240
Kovna 12&4 Total	13.35	124.12			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	16.34	151.35			1090
Hydro					
KDPH	0.81	8.71	34	33	33
VTRNA	0.93	11.76	61	0	61
TILLARI	0.35	4.42	60	0	60
BHTGR/VEER	0.00	0.36	0	0	0
BHIRA T.R.	0.08	2.49	43	0	43
RNGR+BHTSA	0.27	3.60	12	11	12
BHANDARDRA	0.17	3.36	8	7	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.47	6.44	20	19	8
GHATGHAR	1.36	3.85	250	0	0
Total	4.44	44.98			217
Wind					
MalharPeth	0.47	6.67			
Vankuswadi	0.79	9.48			
ATIT	0.94	4.53			
Kale	0.38	4.55			
Satara	0.20	9.94			
Shirala	0.25	4.63			
K Mahankal	0.74	10.14			
Supa	0.07	1.44			
Vita	1.35	13.20			
Dondaicha	5.58	76.67			
Sakri	0.67	9.72			
Nandurbar	0.54	8.01			
Khandke	0.45	7.84			
Khaparale	0.55	8.91			
Total	12.98	175.73			
CPP					
JSW JAIGAD	28.60	348.08	1196	1188	1096
WARDHA	7.79	100.97	328	321	320
Adani	14.49	184.53	610	590	610
Other CPPs	11.93	132.75			231
Total	62.81	766.33			2257
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.91	146.40	502	482	500
Trombay 6	5.31	65.64	298	150	500
Trombay 7A	2.86	38.26	126	92	120
Trombay 7B	1.58	20.92	69	58	60
Trombay 8	6.04	76.91	253	249	250
TATA Hydro	4.80	47.78	415	0	447
Total	32.49	395.91			1877
REL					
1&2	12.55	160.97	526	511	500
Total	12.55	160.97			500
Cent Sect					
Share					4449
Total					4449

MS PG CL	Thermal	113.60	1480.58			4820
	Thml+Gas	120.96	1595.56			5120
	Hydro	20.78	196.32			1307
	Total	141.74	1791.88			6427
State Total		263.19	3123.15			15510

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 13/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	4836	1310	314	6460	447	2557	3869	4452	-687	-605	13311	91	13402	2269	15671	50.02
2	4731	1101	315	6147	511	2551	3818	4318	-580	-485	13042	92	13134	2090	15224	50.07
3	4792	682	316	5790	623	2536	3736	4219	-500	-347	12821	107	12928	1952	14880	50.08
4	4809	276	316	5401	799	2554	3727	3995	-491	-251	12498	128	12626	1869	14495	50.26
5	4811	179	318	5308	943	2556	3739	4061	-494	-217	12651	170	12821	1834	14655	50.15
6	4750	110	317	5177	950	2547	3741	4077	-494	-229	12522	315	12837	1843	14680	50.00
7	4664	115	318	5097	732	2550	3677	3878	-492	-235	12022	693	12715	1853	14568	50.17
8	4635	154	314	5103	593	2562	3616	4588	-492	-332	12514	712	13226	1956	15182	50.07
9	4650	424	305	5379	521	2583	3634	4291	-510	-441	12333	781	13114	2261	15375	50.02
10	4664	1194	302	6160	341	2702	4001	4760	-652	-604	13412	566	13978	2632	16610	50.02
11	4664	1723	299	6686	312	2683	4284	5027	-804	-801	13958	512	14470	2906	17376	50.04
12	4734	1546	306	6586	240	2709	4376	5045	-895	-873	13760	610	14370	3007	17377	49.89
13	4749	1590	308	6647	283	2698	3922	4417	-910	-876	13221	803	14024	3014	17038	49.84
14	4774	1621	305	6700	310	2729	3893	4342	-880	-878	13255	675	13930	2934	16864	49.91
15	4746	1592	305	6643	286	2700	4263	4665	-881	-876	13470	570	14040	2982	17022	49.88
16	4720	1553	299	6572	393	2688	4382	5060	-902	-885	13876	483	14359	2995	17354	49.98
17	4653	1294	299	6246	423	2672	4163	4667	-882	-870	13188	454	13642	2950	16592	49.97
18	4760	355	300	5415	523	2616	3527	3848	-573	-838	11616	618	12234	2843	15077	49.93
19	4747	178	305	5230	637	2605	3555	3870	-544	-806	11556	447	12003	2685	14688	50.11
20	4786	412	307	5505	597	2599	3825	4277	-558	-560	12471	516	12987	2685	15672	49.95
21	4806	316	308	5430	586	2641	3883	4707	-637	-634	12771	349	13120	2621	15741	50.02
22	4740	517	308	5565	570	2601	3911	4567	-612	-650	12678	214	12892	2560	15452	50.05
23	4685	1124	308	6117	631	2585	3860	4617	-698	-730	13223	150	13373	2498	15871	49.91
24	4689	1419	272	6380	726	2590	3773	4399	-750	-599	13496	121	13617	2429	16046	49.87
MUs	113.60	20.78	7.36	141.74	12.98	62.81	93.18	106.15	-15.92	-14.62	309.66	10.18	319.84	59.67	379.51	50.01

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 13/May/2013

Position as on 6.30 Hrs of 14/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.	
Koyna Unit 8	80	13/05/2013	07.15	13/05/2013	16.15	P M Work.	
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	13/05/2013	20.03	Bunkering problem.	
Uran Unit 7	108	28/04/2013	22.54		Continued.	Boiler Duct Renovation.	
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	11/05/2013	04.28		Continued.	Gas Shortage	
Dabhol 2A	230	11/05/2013	04.30		Continued.	Gas Shortage	
CPP WPCL U-3	135	11/05/2013	11.25		Continued.	Maintenance Problem.	
Bhusawal Unit 2	210	11/05/2013	14.40	14/05/2013	02.35	132KV Bus Bar Prot.operated	
Koradi Unit 6	210	12/05/2013	11.34	14/05/2013	03.20	I D Fan Problem.	
Koradi Unit 5	200	13/05/2013	05.58		Continued.	Boiler Tube Leakage.	
Koyna ST-IV 1	250	13/05/2013	09.21		Continued.	Shaft Temp. Very High.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/May/2013

Position as on 6.30 Hrs of 14/May/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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	07/05/2013	16.50	13/05/2013	08.41	Over Voltage.
Dhule - S'Sarovar- II	11/05/2013	17.45		Continued.	Over Voltage
Kolhapur - Mapusa - II	12/05/2013	16.10	13/05/2013	08.28	Over Voltage.
Kolhapur-Mapusa-II	13/05/2013	16.45		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	13/05/2013	17.46		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Tarapur-Borivali	14/05/2013	05.26	14/05/2013	05.42	Distance Protection.
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
Dabhol - New Koyna - I	11/05/2013	10.53	13/05/2013	14.45	Repl.of Flashover Insulator, ready for charing 17.16Hrs
Karad-Jaigad I	13/05/2013	08.25	13/05/2013	13.34	Cold Washing of Insulator Strings.
80 MVAR Reactor @ Kharghar	13/05/2013	10.00	13/05/2013	16.05	Testing of Water Content in Oil.
Karad-Jaigad II	13/05/2013	14.15	13/05/2013	19.29	Cold Washing of Insulator Strings.
Bableshtar-Aurangabad	13/05/2013	14.37		Continued.	C B Overhauling (Ckt Will be on TBC).
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbandar - Bhoisor (MSETCL)	13/04/2013	10.09		Continued.	Mumbai Strengthening Work.
Badnera - Akola - I	13/05/2013	06.10	13/05/2013	17.32	For Replacement of Disc Insulator @ Loc No.15 R Ph.
Bus - II @ Ghodbundar	13/05/2013	07.33	13/05/2013	09.22	To Attend 1289 A Isolator Box Problem.
New Parly-Nanded-II	13/05/2013	08.45	13/05/2013	18.28	Rectification of Punch Points Observed in Joint Patrolling.
220/132 KV 100 MVA ICT - II @ Kharepatan	13/05/2013	09.20	13/05/2013	13.00	Routine Maintenance.
Aurangabad-Jalna-II	13/05/2013	10.28	13/05/2013	13.29	Revtification Work,Jumper Tightening of 220KV Waluj-Jalna-II @ Loc No.2.
Voltage Level : 110KV			Outage Type PLANNED OUTAGE		
110 KV Kalyan-Salsette-II	13/05/2013	10.45	13/05/2013	13.27	Maintenance Work.
Voltage Level : 500KV			Outage Type FORCED OUTAGE		
HVDC POLE - II	13/05/2013	17.08	13/05/2013	21.18	To Attend OLTC Tap Changer Work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Dabhol - Nagothane - I	13/05/2013	15.10		Continued.	For Attending Sparking on Bus-2 Side Isolator @ Dabhol End(Ready for Charging @ 17.25 Hrs).
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Lonikand-Kathapur	13/05/2013	17.08	13/05/2013	18.24	Hot Spot on Y & B Ph.C T @ Lonikand End.
Voltage Level : 400KV			Outage Type HAND TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/May/2013

Position as on 6.30 Hrs of 14/May/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
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	11/05/2013	12.37	13/05/2013	10.40	Over Voltage
Karad - Kolhapur - I	12/05/2013	16.23	13/05/2013	07.05	Over Voltage.
Bhusawal- Aurangabad	13/05/2013	12.55		Continued.	Over Voltage.
Karad - Kolhapur - I	13/05/2013	17.12	14/05/2013	06.45	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.
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)
Voltage Level : 132KV			Outage Type TRIPPED		
Kalmeshwar - Saoner - I	13/05/2013	05.14	13/05/2013	05.47	Distance Protection Operated Z-II.
Kalmeshwar-Saoner Ckt.II	13/05/2013	05.14	13/05/2013	05.47	Distance Protection Operated Z-II.
Nilanga - Omerga	13/05/2013	20.20	13/05/2013	21.35	Distance Protection Operated Z-I.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 14/May/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	100
Unit 7	210	170
	620	270
Bhusawal		
Unit 2	210	80
Unit 3	210	160
Unit 4	500	430
Unit 5	500	
	1420	670
Parli		
Unit 3	210	
Unit 4	210	
Unit 5	210	
Unit 6	250	
Unit 7	250	
	1130	
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	200
Unit 4	210	200
Unit 5	500	450
Unit 6	500	440
Unit 7	500	330
	2340	1920
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	180
Unit 2	210	150
Unit 3	210	180
Unit 4	210	170
Unit 5	500	360
	1340	1040
Nasik		
Unit 3	210	190
Unit 4	210	180
Unit 5	210	195
	630	565
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	34
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	
BHIRA T.R.	80	43
RNGR+BHTSA	20	
BHANDARDRA	45	
ELDARY	23	
SMLHY PTN	12	20
GHATGHAR	250	
	611	218
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	1096
WARDHA	405	325
Adani	1320	617
Other CPPs	300	179
	3225	2217
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	4461
	3455	4461