



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/May/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/May/2009 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	114.023	1601.358	1) Madhya Pradesh	55.499	820.966
2) Hydro	8.890	235.046	2) Gujrat	18.643	281.530
3) Gas	15.265	207.213	3) Goa	-6.392	-87.755
Total MSGENCO	138.178	2043.617	4) TAPS 1&2 (Inj.)	6.887	83.944
B) OTHERS			5) Pench (Excess)	0.000	-1.921
1) RGPPL Gas	14.865	197.414	# Total Cent. Sector	74.637	1096.764
2) Wind Generation	14.836	168.504	F) Other Exchanges		
3) PENCH (MS)	0.000	1.921	1) With TPCL	-2.535	-20.980
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	32.991	466.446	1) MSEDCL Bilateral	11.175	129.479
2) TPCL Hydro	5.045	49.030	Include PX	3.001	16.120
TOTAL TPCL	38.036	515.476	2) MUMBAI Bilateral	3.789	35.735
3) REL Thermal	12.606	176.161	Include PX	-0.289	-12.321
D) STATE			3) MUMBAI Schedule	3.789	35.735
1) Thermal (A1+C1+C3)	159.620	2243.965	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	13.935	285.997	1) MSEDCL	239.981	3489.161
3) Gas (A3+B1)	30.130	404.627	2) TPCL	35.743	476.380
4) Wind (B2)	14.836	168.504	3) REL	17.571	236.255
TOTAL STATE	218.521	3103.093	TOTAL STATE	293.295	4201.796

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 9 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	4775	4886	4564
MSGENCO Hydro	209	610	167
MSGENCO Gas	653	600	655
MSGENCO Total Generation	5637	6096	5386
Central Sector Receipt	3141	2689	3162
RGPPL	623	619	624
WIND	532	664	406
Exchange with TPCL	228	-104	19
MSEDCL DEMAND MET	10161	9964	9597
Load Shedding	3193	3453	1561
MSEDCL DEMAND (INCL. LS)	13354	13417	11158
TPCL GENERATION	1693	1830	1338
REL GENERATION	523	527	523
TPCL+REL DEMAND	1988	2461	1842
STATE DEMAND MET	12149	12425	11439
STATE DEMAND (INCL. LS)	15342	15878	13000
Frequency (Hz)	49.86	49.25	49.63
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3666 Mw at 09.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			68.60 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.41 Hz at 09.20 Hrs	48.78 Hz at 19.13 Hrs	49.46	3.66 % of Time

* 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 14/May/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.06	4.58	70	30	30
Unit 2	0.97	17.28	71	18	30
Unit 3	0.99	20.48	60	18	30
Unit 4	0.01	13.53	9	0	0
Unit 5	2.61	43.44	138	86	100
Unit 6	3.02	44.40	135	105	130
Unit 7	3.01	44.58	142	99	125
	11.67	188.30			445
Bhusawal					
Unit 1	0.62	13.89	39	20	25
Unit 2	0.00	48.94	0	0	0
Unit 3	4.20	57.32	181	168	170
	4.81	120.15			195
Parli					
Unit 1	0.17	7.07	21	0	0
Unit 2	0.58	8.04	25	22	20
Unit 3	3.58	29.69	158	138	150
Unit 4	3.73	52.69	164	149	150
Unit 5	3.74	41.77	165	147	150
Unit 6	4.89	70.14	214	176	200
	16.68	209.40			670
Chandrapur					
Unit 1	4.20	56.54	178	168	170
Unit 2	3.68	56.07	168	83	170
Unit 3	5.02	59.80	210	205	210
Unit 4	0.00	0.00	0	0	0
Unit 5	8.30	113.42	386	300	300
Unit 6	10.14	137.76	447	406	425
Unit 7	10.14	113.42	452	406	450
	41.47	536.99			1725
Paras					
Unit 2	1.07	12.04	49	35	40
Unit 3	5.58	66.01	248	220	240
	6.65	78.05			280
Khaparkheda					
Unit 1	4.24	57.66	185	168	175
Unit 2	4.18	60.10	188	161	175
Unit 3	4.21	61.38	182	170	175
Unit 4	4.27	61.25	184	171	175
	16.89	240.38			700
Nasik					
Unit 1	2.04	30.66	95	72	90
Unit 2	1.17	18.01	92	0	0
Unit 3	4.24	60.12	192	169	170
Unit 4	4.30	61.01	182	172	180
Unit 5	4.10	58.28	177	164	170
	15.85	228.09			610
Uran					
All Units	15.26	207.21	680	560	620
	15.26	207.21			620
Koyna					
Stage 1-2	1.97	38.90	265	35	600
Stage 4	1.52	106.77	278	0	250
Koyna 12&4 Total	3.49	145.68			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.86	31.51	160	0	320
	4.35	177.19			1170
Hydro					
KDPH	0.81	7.76	35	20	36
VTRNA	1.15	16.18	61	0	61
TILLARI	0.00	3.53	0	0	60
BHTGR/VEER	0.72	12.00	30	30	30
BHIRA T.R.	0.23	2.32	81	0	80
RNGR+BHTSA	0.29	4.46	13	8	15
BHANDARDRA	0.72	6.79	30	30	30
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.56	11	0	10
GHATGHAR	0.56	4.25	126	0	0
	4.54	57.86			322
PENCH (MS)					
Pench (MS)	0.00	1.92	0	0	
	0.00	1.92			
Wind					
MalharPeth	0.53	5.16			
Vankuswadi	1.06	10.70			
ATIT	0.20	2.13			
Kale	0.10	3.12			
Satara	0.47	7.50			
Shirala	0.43	4.15			
K Mahankal	0.09	2.51			
Supa	0.16	3.43	2	2	
Vita	2.09	19.46			
Dondaicha	6.61	72.11			
Sakri	1.12	11.87			
Nandurbar	1.06	10.12			
Khadakale	0.33	9.94			
Khaparale	0.59	6.29			
	14.84	168.50			
Dabhol					
RGPP L II	14.86	197.41	624	611	587
RGPP L III		0.00			0
	14.86	197.41			587
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.07	169.54	505	480	500
Trombay 6	10.34	152.38	510	200	500
Trombay 7A	2.92	38.84	123	119	120
Trombay 7B	1.63	21.90	69	67	60
Trombay 8	6.03	83.79	253	250	250
TATA Hydro	5.04	49.03	392	0	447
	38.04	515.48			1877
REL					
1&2	12.61	176.16	528	523	500
	12.61	176.16			500
Cent Sect					
Share					2897
					2897

MS PG CL	Thermal	114.02	1601.36		4625
	Thml+Gas	129.29	1808.57		5245
	Hydro	8.89	235.05		1492
	Total	138.18	2043.62		6737
State Total		218.52	3103.09		12598

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/May/2009

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CS SHARE	CS RECPT	MUMBAI		MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	MUMBAI DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS						SCH.	EXCH.						
1	4640	342	651	5633	623	416	2768	3041	-27	19	9732	1557	11289	1993	13282	49.49
2	4564	167	655	5386	624	406	2770	3162	-27	19	9597	1561	11158	1842	13000	49.63
3	4512	147	656	5315	624	610	2767	3254	-27	24	9827	1548	11375	1708	13083	49.60
4	4509	168	660	5337	622	655	2783	3385	-27	57	10056	1566	11622	1615	13237	49.74
5	4529	243	658	5430	622	763	2796	3429	-27	26	10270	1976	12246	1647	13893	49.58
6	4584	217	662	5463	622	605	2810	3491	-27	23	10204	2250	12454	1686	14140	49.66
7	4641	219	662	5522	622	533	2811	3048	-27	8	9733	3378	13111	1682	14793	49.66
8	4696	214	658	5568	622	577	3011	3018	79	235	10020	3194	13214	1634	14848	49.27
9	4775	209	653	5637	623	532	2915	3141	175	228	10161	3193	13354	1988	15342	49.86
10	4744	223	678	5645	624	342	3207	3220	-105	-55	9776	3051	12827	2343	15170	49.90
11	4784	290	680	5754	620	417	3384	3306	-334	-287	9810	2624	12434	2598	15032	49.57
12	4804	590	672	6066	617	568	3410	3350	-387	-341	10260	2852	13112	2640	15752	49.40
13	4762	482	670	5914	614	661	3437	3412	-387	-341	10260	3039	13299	2666	15965	49.33
14	4834	411	663	5908	612	696	3440	3397	-387	-339	10274	3140	13414	2586	16000	49.16
15	4845	224	572	5641	611	759	3476	3397	-387	-341	10067	3364	13431	2645	16076	49.23
16	4812	208	560	5580	612	822	3470	3239	-387	-344	9909	3395	13304	2672	15976	49.24
17	4810	201	562	5573	613	888	3470	3110	-387	-343	9841	3219	13060	2651	15711	49.27
18	4858	209	564	5631	618	827	3338	2980	-259	-212	9844	2797	12641	2583	15224	49.61
19	4849	214	568	5631	619	788	3250	2863	-201	-151	9750	2845	12595	2445	15040	49.42
20	4886	610	600	6096	619	664	2838	2689	-157	-104	9964	3453	13417	2461	15878	49.25
21	4941	666	640	6247	619	650	2848	2807	-157	-115	10208	3220	13428	2400	15828	49.29
22	4920	888	644	6452	621	628	2845	2763	-152	-110	10354	2984	13338	2278	15616	49.38
23	4854	888	639	6381	621	554	2823	2636	-144	-102	10090	2301	12391	2217	14608	49.24
24	4870	860	638	6368	621	477	2634	2499	-27	11	9976	2025	12001	2197	14198	49.19
MUs	114.02	8.89	15.26	138.18	14.86	14.84	73.30	74.64	-3.79	-2.54	239.98	64.53	304.52	53.18	357.69	49.46

NOTE : ALL VALUES IN MW

MUMBAI Sch./Net Exch is shown with reference to MSETCL System. (+) indicates MUMBAI to MSETCL and (-) indicates MSETCL to MUMBAI. MUMBAI Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL # Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 14/May/2009

Position as on 6.30 Hrs of 15/May/2009

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect KARPR1	220	01/07/2008	00:10		Continued.	COH(En-Mass Coolant Clanel Replacement)	31/03/2010
Chandrapur Unit 4	210	21/04/2009	00.05		Continued.	W/D for COH.	25/05/2009
Cent_Sect NTPC(V-4)	210	28/04/2009	10.15		Continued.	Annual Overhaul	07/06/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	01/07/2009
Uran Unit 4	60	01/04/2008	00:00		Continued.	Gas Restriction	
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Dabhol 3A	230	08/11/2008	13.45		Continued.	Exhaust temp.& vibn.high	01/06/2009
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	
Dabhol 1X	290	16/03/2009	17.01		Continued.	No insurance.	
Dabhol 1A	230	16/03/2009	17.05		Continued.	No insurance.	
Tata Trombay 4	150	09/04/2009	02.10		Continued.	W/dn	
Cent_Sect Sipat-4	500	10/05/2009	00:49		Continued.	Coal Shortage	
Nasik Unit 2	125	10/05/2009	22.10	14/05/2009	06.55	Boiler Tube Leakage	
Bhusawal Unit 2	210	13/05/2009	08.15	15/05/2009	03.55	GC 1 Tube Leakage	
Uran Unit 3	60	13/05/2009	22.02	14/05/2009	09.10	Gas Restriction	
Parli Unit 1	30	14/05/2009	01.29	14/05/2009	16.50	Tripped Gen.Prot.Operated Y.Ph L.A.Burst.	
Koradi Unit 4	115	14/05/2009	01.33		Continued.	W/Dn No Coal.	
Nasik Unit 2	125	14/05/2009	07.15	14/05/2009	09.10	Supply Changeover Prob.	
Uran Unit B0	120	14/05/2009	13.53	14/05/2009	18.33	W/D For Changing Stream Controller.	
Cent_Sect NTPC(V) 9	500	14/05/2009	16.42	15/05/2009	00.31	Reheater Prob.	
Uran Unit 3	60	14/05/2009	18.45		Continued.	Gas Restriction	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/May/2009

Position as on 6.30 Hrs of 15/May/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar II	12/05/2009	23:47	14/05/2009	08:01	Hand Tripped to Control O/V.
DHULE-SAR'SAROVAR-I	13/05/2009	23:25		Continued.	H/T FOR O/V
Voltage Level : 400KV			Outage Type TRIPPED		
Wardha - Akola - II	07/05/2009	07.05	14/05/2009	08.57	Tripped on over voltage
Wardha - Akola - I	14/05/2009	08.01		Continued.	Tripped on over voltage
Dhule-Sar'Sarovar II	14/05/2009	14.25		Continued.	H/T FOR O/V
Wardha - Akola - II	14/05/2009	19.16		Continued.	Tripped on over voltage
Seoni-Wardha-1	14/05/2009	23.17	15/05/2009	02.12	Tripped on over voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Mudshingi-Ponda	12/05/2009	04:45		Continued.	Tripped ,Dist.Prot.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400 KV TBC at Parly-II	07/04/2009	00.00		Continued.	Compressor Problem.
Jejuri-Koyna STG-IV	14/05/2009	08.01	14/05/2009	18.44	Repl.Of Spacers.
400/220KV, 315MVA ICT-I @ New Koyna.	14/05/2009	10.34	14/05/2009	17.39	R.M.Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV,125MVA ICT-III at Kalwa	01/05/2009	07.45		Continued.	Maintanance work
Mulund-Kalwa-I	12/05/2009	09:52		Continued.	Relay Retrofitting Work.
Borivali-Boisar	13/05/2009	11.01		Continued.	Isolator Replacement
URAN_HOCL	13/05/2009	12.50		Continued.	Removal Of P.T.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Madgi-Kawlewada-II	10/02/2009	16.20		Continued.	C.B. replacement work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
220 KV Own Brk..of 315 MVA ICT at Akola	23/04/2009	15.50		Continued.	Breaker Problem
400/220 KV,315 MVA ICT-II at Lonikand	14/05/2009	06.58	14/05/2009	14.11	Isolator Alignment.
Padgha-Lonikhand	14/05/2009	10.36	14/05/2009	17.13	Hot Spot
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha--Dhamangaon	06/05/2009	16:28	14/05/2009	19:29	CKT H/T FOR LOADING 315 MVA 400/220 KV ICT AT AKOLA
Wardha-Badnera	06/05/2009	16:31	14/05/2009	19:22	CKT H/T FOR LOADING 315 MVA 400/220 KV ICT AT AKOLA
Voltage Level : 400KV			Outage Type TRIPPED		
Seoni-Wardha-I	14/05/2009	07.06	14/05/2009	08.00	Tripped on over voltage
Karad-Kolhapur CKT I	14/05/2009	09.15	14/05/2009	09.43	Trip at Kolhapur to Power Swing.
400/220KV,315MVA ICT-I at Karad	14/05/2009	09:15	14/05/2009	11:44	220KV Bus Fault at Karad.
ICT-II AT KARAD	14/05/2009	09:15	14/05/2009	11:10	Tripped due to over load
ICT III at Karad	14/05/2009	09:15	14/05/2009	11:10	220KV Bus Fault at Karad.
400/220 KV 315 MVA ICT at Akola	14/05/2009	19.14	15/05/2009	02.38	Trip on NDR
Koradi-Akola	14/05/2009	19.16	14/05/2009	21.57	Trip on Dist.Prot. Z-I
Koradi-Akola	14/05/2009	21.57	15/05/2009	01.31	Charged but Trip On O/V.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/May/2009

Position as on 6.30 Hrs of 15/May/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Akola-Bhusawal	14/05/2009	23.17	15/05/2009	01.31	Tripped on over voltage
Voltage Level : 220KV			Outage Type TRIPPED		
220KV Main Bus-I at Karad	14/05/2009	09.15	14/05/2009	11.10	Bus Fault
220KV M.B.-II at Karad	14/05/2009	09.15	14/05/2009	11.10	Bus Fault
Karad - Karad - II	14/05/2009	09:15	14/05/2009	11:10	220KV Bus Fault at Karad.
Karad - Miraj	14/05/2009	09:15	14/05/2009	11:56	Taken on TBC. Isolator Jumper Snapped.
Karad-M'peth	14/05/2009	09:15	14/05/2009	11:25	220KV Bus Fault at Karad.
Karad-Pophali	14/05/2009	09:15	14/05/2009	11:18	220KV Bus Fault at Karad.
Karad - Vita - I	14/05/2009	09:15	14/05/2009	11:16	220KV Bus Fault at Karad.
Kolhapur-Karad-III	14/05/2009	09:15	14/05/2009	11:12	220KV Bus Fault at Karad.
Karad - Nigade	14/05/2009	09:15	14/05/2009	11:30	220KV Bus Fault at Karad.
220 KV Bus Coupler @ Karad.	14/05/2009	09:15	14/05/2009	11:10	220KV Bus Fault at Karad.
Kolhapur-Karad-IV	14/05/2009	09:15	14/05/2009	11:11	220KV Bus Fault at Karad.
Kolhapur - Karad - II	14/05/2009	09:15	14/05/2009	11:25	220KV Bus Fault at Karad.
Karad-Vita-II	14/05/2009	09:15	14/05/2009	11:16	220KV Bus Fault at Karad.
Karad-Pedambe	14/05/2009	09:15	14/05/2009	11:20	220KV Bus Fault at Karad.
Voltage Level : 132KV			Outage Type TRIPPED		
Durugwada-Lalkhedi	13/05/2009	20.40	14/05/2009	16:35	Tripped on D/P,Heavy Storm.
KHAMGAON-WARWAT BAKAL CKT	13/05/2009	22:15	14/05/2009	13:05	Tripped ,Dist.Prot.
Parli-Gangakhed	14/05/2009	01.18	14/05/2009	20:30	Storm and Raining.
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa-Salshet ckt-II	14/05/2009	17.33	14/05/2009	18.16	Tripped.
null					
Voltage Level : 220KV			Outage Type TRIPPED		
Karad - Karad -I	14/05/2009	09:15	14/05/2009	11:10	220KV Bus Fault at Karad.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/May/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	50
Unit 2	105	40
Unit 3	105	40
Unit 4	105	0
Unit 5	200	120
Unit 6	210	140
Unit 7	210	160
	1040	550
Bhusawal		
Unit 1	58	25
Unit 2	210	160
Unit 3	210	175
	478	360
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	150
Unit 4	210	150
Unit 5	210	150
Unit 6	250	220
	940	710
Chandrapur		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	210
Unit 4	210	0
Unit 5	500	370
Unit 6	500	425
Unit 7	500	450
	2340	1795
Paras		
Unit 2	55	50
Unit 3	250	230
	305	280
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
	840	680
Nasik		
Unit 1	120	90
Unit 2	120	80
Unit 3	210	170
Unit 4	210	180
Unit 5	210	170
	870	690
Uran		
All Units	852	610
	852	610
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	36
VTRNA	60	61
TILLARI	60	60
BHTGR/VEER	21	30
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	30
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	
	611	322
PENCH (MS)		
Pench (MS)	53	
	53	
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	
Khadakale	0	
Khaparale	0	
	0	
Dabhol		
RGPL II	740	590
RGPL III	740	
	1480	590
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	3143	2857
	3143	2857