



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

State Load Dispatch Center, Airoli

Daily system Report

for

16/Jun/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 16/Jun/2009 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	113.321	1781.768	1) Madhya Pradesh	69.679	1073.145
2) Hydro	14.440	198.792	2) Gujrat	16.874	209.392
3) Gas	14.749	228.684	3) Goa	-5.951	-92.638
Total MSGENCO	142.510	2209.244	4) TAPS 1&2 (Inj.)	6.301	106.685
B) OTHERS			5) Pench (Excess)	-0.173	-1.324
1) RGPPL Gas	22.150	350.077	# Total Cent. Sector	86.730	1295.260
2) Wind Generation	11.827	244.953	F) Other Exchanges		
3) PENCH (MS)	0.173	1.324	1) With TPCL	-8.687	-124.591
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	31.363	488.275	1) MSEDCL Bilateral	11.019	136.370
2) TPCL Hydro	4.558	66.549	Include PX	0.312	3.727
TOTAL TPCL	35.921	554.824	2) MUMBAI Bilateral	9.506	126.790
3) REL Thermal	12.581	201.251	Include PX	2.444	42.302
D) STATE			3) MUMBAI Schedule	9.506	128.190
1) Thermal (A1+C1+C3)	157.265	2471.294	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	19.171	266.665	1) MSEDCL	254.703	3977.591
3) Gas (A3+B1)	36.899	578.761	2) TPCL	37.819	582.070
4) Wind (B2)	11.827	244.953	3) REL	19.369	298.573
TOTAL STATE	225.162	3561.673	TOTAL STATE	311.891	4858.234

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	4598	4858	4585
MSGENCO Hydro	1197	819	79
MSGENCO Gas	640	624	535
MSGENCO Total Generation	6435	6301	5199
Central Sector Receipt	3801	3350	3863
RGPPL	924	924	926
WIND	305	850	652
Exchange with TPCL	-572	-356	-189
MSEDCL DEMAND MET	10893	11092	10451
Load Shedding	2905	3239	906
MSEDCL DEMAND (INCL. LS)	13798	14331	11357
TPCL GENERATION	1738	1672	1306
REL GENERATION	521	524	526
TPCL+REL DEMAND	2831	2552	2021
STATE DEMAND MET	13724	13644	12472
STATE DEMAND (INCL. LS)	16629	16883	13378
Frequency (Hz)	49.62	49.48	49.79
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4023 MW AT 12.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			71.60 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.42 Hz at 04.21 Hrs	48.8 Hz at 23.18 Hrs	49.61	3.59 % 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 16/Jun/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.59	13.15	78	46	70
Unit 2	0.00	8.73	0	0	0
Unit 3	1.16	18.47	56	40	50
Unit 4	0.00	8.35	0	0	0
Unit 5	4.06	59.63	182	160	170
Unit 6	3.76	32.22	168	130	150
Unit 7	4.28	62.80	196	147	180
	14.84	203.35			620
Bhusawal					
Unit 1	1.23	19.46	55	40	50
Unit 2	3.84	61.00	174	139	170
Unit 3	4.09	66.86	180	162	175
	9.16	147.32			395
Parli					
Unit 1	0.57	8.62	25	22	20
Unit 2	0.21	8.15	21	0	20
Unit 3	3.55	51.78	158	138	150
Unit 4	3.83	60.13	169	153	150
Unit 5	3.74	64.56	187	0	175
Unit 6	0.00	0.58	0	0	0
	11.90	193.82			515
Chandrapur					
Unit 1	4.10	64.44	174	162	165
Unit 2	3.90	62.34	168	154	165
Unit 3	4.55	68.54	205	166	210
Unit 4	4.15	55.68	194	152	170
Unit 5	9.49	145.76	434	333	425
Unit 6	9.67	130.93	425	345	440
Unit 7	10.21	160.38	445	345	450
	46.08	688.07			2025
Paras					
Unit 2	0.45	8.67	21	17	25
Unit 3	5.06	70.44	218	199	207
	5.52	79.11			232
Khaparkheda					
Unit 1	4.13	67.99	178	166	170
Unit 2	4.20	62.11	187	161	170
Unit 3	4.23	61.56	183	170	170
Unit 4	4.14	68.85	179	167	170
	16.70	260.51			680
Nasik					
Unit 1	0.00	26.01	0	0	0
Unit 2	0.00	14.18	0	0	0
Unit 3	0.00	30.08	0	0	0
Unit 4	4.62	70.98	200	182	200
Unit 5	4.50	68.34	198	182	190
	9.13	209.58			390
Uran					
All Units	14.75	228.68	650	535	620
	14.75	228.68			620
Koyna					
Stage 1-2	3.23	43.68	445	40	600
Stage 4	7.06	94.94	1100	0	250
Kovna 12&4 Total	10.30	138.61			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.82	30.40	240	0	320
	12.12	169.01			1170
Hydro					
KDPH	0.00	3.58	0	0	0
VTRNA	0.50	5.08	61	0	60
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.26	4.48	11	11	11
BHIRA T.R.	0.20	3.43	71	0	80
RNGR+BHTSA	0.31	4.50	13	13	13
BHANDARDRA	0.36	2.60	15	15	15
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.84	10	0	0
GHATGHAR	0.63	5.26	125	0	0
	2.32	29.78			179
PENCH (MS)					
Pench (MS)	0.17	1.32	24	0	
	0.17	1.32			
Wind					
MalharPeth	0.49	7.07			
Vankuswadi	1.11	17.24			
ATIT	0.22	3.43			
Kale	0.11	1.74			
Satara	0.79	11.35			
Shirala	0.36	5.44			
K Mahankal	0.06	4.08			
Supa	0.27	3.74			
Vita	1.37	30.45			
Dondaicha	4.25	102.96			
Sakri	0.90	18.60			
Nandurbar	0.60	15.75			
Khadakale	0.65	12.02			
Khaparale	0.66	11.10			
	11.83	244.95			
Dabhol					
RGPP L II	22.15	350.08	934	910	877
RGPP L III		0.00	0	0	0
	22.15	350.08			877
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.12	193.72	505	505	500
Trombay 6	11.64	179.71	510	370	500
Trombay 7A	2.89	46.16	123	117	120
Trombay 7B	1.60	25.64	67	65	60
Trombay 8	3.12	43.04	136	91	130
TATA Hydro	4.56	66.55	401	2	447
	35.92	554.82			1757
REL					
1&2	12.58	201.25	529	520	500
	12.58	201.25			500
Cent Sect					
Share					3304
					3304

MS PG CL	Thermal	113.32	1781.77		4857
	Thml+Gas	128.07	2010.45		5477
	Hydro	14.44	198.79		1349
	Total	142.51	2209.24		6826
State Total		225.16	3561.67		13264

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/Jun/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	4586	93	546	5225	927	710	3231	4176	-387	-352	10686	903	11589	2209	13798	49.99
2	4585	79	535	5199	926	652	2992	3863	-227	-189	10451	906	11357	2021	13378	49.79
3	4620	104	536	5260	927	648	2783	3776	-86	-48	10563	959	11522	1869	13391	49.82
4	4634	79	536	5249	929	590	2783	3757	-86	-49	10476	1200	11676	1822	13498	49.95
5	4678	84	588	5350	930	523	2784	3731	-86	-48	10486	1203	11689	1773	13462	49.96
6	4816	84	648	5548	932	471	2788	3807	-86	-50	10708	1394	12102	1795	13897	49.93
7	4799	145	650	5594	934	474	2787	3395	-86	-54	10343	1982	12325	1809	14134	49.97
8	4879	155	648	5682	929	347	2891	3563	-86	-49	10472	2040	12512	1847	14359	49.78
9	4875	150	644	5669	917	408	2889	3029	-86	-51	9972	3085	13057	2139	15196	49.81
10	4749	277	650	5676	926	400	3350	3497	-440	-411	10088	3027	13115	2478	15593	49.78
11	4624	906	650	6180	926	283	3467	3767	-558	-526	10630	2889	13519	2751	16270	49.83
12	4598	1197	640	6435	924	305	3512	3801	-605	-572	10893	2905	13798	2831	16629	49.62
13	4560	1144	627	6331	915	292	3604	3707	-699	-663	10592	2903	13495	2820	16315	49.45
14	4559	1152	632	6343	917	259	3617	3697	-699	-665	10574	3026	13600	2772	16372	49.46
15	4605	762	626	5993	910	224	3717	3788	-745	-710	10205	3198	13403	2886	16289	49.33
16	4691	668	626	5985	915	331	3789	3811	-746	-711	10331	3281	13612	2893	16505	49.45
17	4701	225	625	5551	918	467	3795	3885	-746	-711	10110	3554	13664	2881	16545	49.52
18	4753	305	623	5681	919	604	3557	3641	-612	-575	10270	3315	13585	2716	16301	49.52
19	4851	423	627	5901	922	715	3340	3514	-382	-336	10739	2718	13457	2554	16011	49.65
20	4858	819	624	6301	924	850	3304	3350	-363	-356	11092	3239	14331	2552	16883	49.48
21	4847	1252	624	6723	925	631	3306	3226	-363	-327	11201	2990	14191	2546	16737	49.34
22	4846	1244	622	6712	921	733	3260	3106	-363	-341	11154	2765	13919	2421	16340	49.17
23	4809	1519	612	6940	920	460	3426	3465	-491	-456	11353	1905	13258	2415	15673	49.12
24	4798	1574	610	6982	917	448	3438	3378	-475	-437	11312	1407	12719	2389	15108	49.00
MUs	113.32	14.44	14.75	142.51	22.15	11.82	78.41	86.73	-9.51	-8.69	254.70	56.79	311.50	57.19	368.68	49.61

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 16/Jun/2009

Position as on 6.30 Hrs of 17/Jun/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
Cent_Sect NTPC(V-10)	500	25/05/2009	08.50		Continued.	Capital overhaul	26/06/2009
Cent_Sect NTPC(K-3)	210	01/06/2009	00.00		Continued.	Annual Overhaul	06/07/2009
Nasik Unit 3	210	07/06/2009	21.37		Continued.	Capital overhaul	18/07/2009
Cent_Sect Tarapur 2	80	16/06/2009	22:10		Continued.	Refueling Outage.	30/07/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	01/07/2009
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	25/06/2009
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Tata Trombay 4	150	09/04/2009	02.10		Continued.	W/dn	
Parli Unit 6	250	03/06/2009	06.35		Continued.	Bearing Vibration.	30/06/2009
Cent_Sect Kawas ST1C	116	03/06/2009	16:33		Continued.	Bearing Temp. High	19/06/2009
Koradi Unit 2	105	07/06/2009	08:19		Continued.	ID Fan Problem	26/06/2009
Uran Unit 3	60	09/06/2009	20:25		Continued.	Gas Restriction	
Nasik Unit 2	125	10/06/2009	18:45	17/06/2009	18:50	Coal Mill Problem	
Nasik Unit 1	125	14/06/2009	15.20	17/06/2009	08:30	Boiler Tube Leakage	
Cent_Sect NTPC(V-8)	500	15/06/2009	11.01	16/06/2009	13:32	Boiler Tube Leakage	
Koradi Unit 4	115	15/06/2009	11.29	17/06/2009	08:04	Governer problem	
Uran Unit 5	108	16/06/2009	02.58	16/06/2009	03.27	Tripped	
Parli Unit 5	210	16/06/2009	09:20	16/06/2009	11:10	Low Drum Level	
Parli Unit 2	30	16/06/2009	10:10	17/06/2009	04:26	DCH System Failure of Turbine Controller.	
Cent_Sect NTPC(K-4)	500	17/06/2009	12:40		Continued.	Boiler Tube Leakage	20/06/2009
Koradi Unit 3	105	17/06/2009	20:36		Continued.	Boiler Tube Leakage	22/06/2009

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Jun/2009

Position as on 6.30 Hrs of 17/Jun/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Koradi-Satpur	16/06/2009	09:19	16/06/2009	20:00	Q.M. WORK
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Mudshingi-Ponda	16/06/2009	09:30	16/06/2009	13:14	Outage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar II	14/05/2009	14.25		Continued.	H/T FOR O/V
Wardha - Akola - II	12/06/2009	22.51		Continued.	Hand Tripped to Control O/V.
Voltage Level : 220KV			Outage Type TRIPPED		
TILLARY-PHONDA	15/06/2009	02.10	16/06/2009	15:15	Tripped on Distance protection
HALKARNI-TILLARY	16/06/2009	08:35	16/06/2009	14:17	Tripp. Decapping on R-Ph.
TILLARY-PHONDA	17/06/2009	12:25	17/06/2009	14:18	Tripped ,Dist.Prot.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400KV Main Bus-I at Akola	15/06/2009	10.51	16/06/2009	19:36	Testing Work
220 KV Main Bus - I @ Chandrapur.	16/06/2009	10:09	17/06/2009	08:45	Attending hot spot.
400/220 KV Spare ICT @ Lonikand.	17/06/2009	08:38	17/06/2009	17:56	SFRA Test.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Uran -Apta-III	13/06/2009	11.22	16/06/2009	19:04	Relocating and dismanteling work,
Apta-Uran-IV	13/06/2009	11.22	16/06/2009	17:24	Relocating and dismanteling work,
Talangade-Ichalkaranji I	16/06/2009	10:15	16/06/2009	13:54	Q.M. WORK
220/132 KV,200 MVA ICT @ Bale	16/06/2009	10:20	16/06/2009	13:55	L.A. Replacement.
New-Koyna-Pawas	16/06/2009	10:21	16/06/2009	15:36	L.A. Replacement.
Vankushwadi - MIDC Satara.	16/06/2009	10:25	16/06/2009	17:50	Bus Outage at Malinagar.
220/132 KV 200 MVA ICT-II at Harangul	16/06/2009	10:40	16/06/2009	20:45	Commissioning of N-2 injection Fire Fighting system.
Karad-Pedambe	16/06/2009	11:20	16/06/2009	12:50	Jumper Replacement work.
P'pur-Malinagar	17/06/2009	09:55	17/06/2009	16:25	Bus Outage at Malinagar.
220 KV Bus @ Malinagar.	17/06/2009	09:55	17/06/2009	16:25	Q.M. WORK
Khaparkheda - Kanhan - I	17/06/2009	10:03	17/06/2009	12:58	Q.M. WORK
220/132 KV,150 MVA ICT @ Bale.	17/06/2009	10:05	17/06/2009	12:45	Q.M. WORK
220 KV Main Bus - I @ New Parly.	17/06/2009	11:50	17/06/2009	17:35	C.T. Jumpering Work.
Khaparkheda-Ambazari ckt - I	17/06/2009	13:04	17/06/2009	16:41	Testing Work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV 315MVA ICT-I at Kharghar	14/06/2009	11.15	16/06/2009	18:51	To control line loading of Uran-Apta-II
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Dhamangaon-wardha	13/06/2009	14.45	17/06/2009	09:25	H/T to increase load on Akola ICT.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV,315 MVA ICT-	16/06/2009	09:48	16/06/2009	10:01	Trip. Relay Operated.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Jun/2009

Position as on 6.30 Hrs of 17/Jun/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
II at Chandrapur					
Voltage Level : 220KV			Outage Type TRIPPED		
K'gaon-Lonand	15/06/2009	13:00	16/06/2009	10:55	Declared faulty
Pophali - Karad	16/06/2009	11:45	16/06/2009	12:05	Distance Protection
Pophali - Karad	16/06/2009	12:13	16/06/2009	20:12	Distance Protection
Bableshtar - Ahemednagar ckt. I	17/06/2009	02:10	17/06/2009	08:08	Tripped ,Dist.Prot.
Kolhapur-Mumewadi	17/06/2009	12:25	17/06/2009	17:30	Tripped ,Dist.Prot.
BBLSWR-ANAGAR CKT I	17/06/2009	18:01	17/06/2009	18:30	Tripped ,Dist.Prot.
Dondaicha - Jamde - II.	17/06/2009	18:20	17/06/2009	18:40	Tripped on backup protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/Jun/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	0
Unit 3	105	50
Unit 4	105	0
Unit 5	200	170
Unit 6	210	150
Unit 7	210	190
	1040	630
Bhusawal		
Unit 1	58	25
Unit 2	210	170
Unit 3	210	175
	478	370
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	150
Unit 4	210	155
Unit 5	210	170
Unit 6	250	0
	940	515
Chandrapur		
Unit 1	210	170
Unit 2	210	165
Unit 3	210	210
Unit 4	210	180
Unit 5	500	380
Unit 6	500	360
Unit 7	500	460
	2340	1925
Paras		
Unit 2	55	22
Unit 3	250	210
	305	232
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
	840	680
Nasik		
Unit 1	120	0
Unit 2	120	0
Unit 3	210	0
Unit 4	210	190
Unit 5	210	195
	870	385
Uran		
All Units	852	620
	852	620
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	0
VTRNA	60	60
TILLARI	60	0
BHTGR/VEER	21	11
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	15
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	179
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	960	885
RGPL III	740	
	1700	885
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	150
TATA Hydro	444	447
	2024	1777
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3156
	3143	3156