



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

State Load Dispatch Center, Airoli

Daily system Report

for

06/Jul/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 06/Jul/2009 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	103.099	654.465	1) Madhya Pradesh	53.311	311.849
2) Hydro	6.132	38.826	2) Gujrat	20.869	105.256
3) Gas	11.422	74.128	3) Goa	-5.187	-30.496
Total MSGENCO	120.653	767.419	4) TAPS 1&2 (Inj.)	3.644	22.187
B) OTHERS			5) Pench (Excess)	-0.355	-1.281
1) RGPPL Gas	22.430	134.554	# Total Cent. Sector	72.282	407.515
2) Wind Generation	9.224	56.425	F) Other Exchanges		
3) PENCH (MS)	0.355	1.281	1) With TPCL	-4.846	-39.137
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	27.902	165.503	1) MSEDCL Bilateral	4.387	28.964
2) TPCL Hydro	3.148	13.657	Include PX	0.074	0.775
TOTAL TPCL	31.050	179.160	2) MUMBAI Bilateral	4.802	30.204
3) REL Thermal	12.645	60.857	Include PX	1.961	11.992
D) STATE			3) MUMBAI Schedule	4.802	39.634
1) Thermal (A1+C1+C3)	143.646	880.825	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	9.635	53.764	1) MSEDCL	220.098	1329.338
3) Gas (A3+B1)	33.852	208.682	2) TPCL	32.319	184.506
4) Wind (B2)	9.224	56.425	3) REL	16.222	94.647
TOTAL STATE	196.357	1199.696	TOTAL STATE	268.639	1608.491

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4303	4389	4124
MSGENCO Hydro	249	807	111
MSGENCO Gas	491	448	475
MSGENCO Total Generation	5043	5644	4710
Central Sector Receipt	3199	3146	2455
RGPPL	932	936	938
WIND	303	556	457
Exchange with TPCL	-391	-202	23
MSEDCL DEMAND MET	9109	10103	8597
Load Shedding	1988	2201	0
MSEDCL DEMAND (INCL. LS)	11097	12304	8597
TPCL GENERATION	1657	1615	790
REL GENERATION	527	526	527
TPCL+REL DEMAND	2575	2343	1294
STATE DEMAND MET	11684	12446	9891
STATE DEMAND (INCL. LS)	13672	14647	9891
Frequency (Hz)	49.16	49.54	49.91
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2573 MW at 20.00Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			32.33 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.11 Hz at 06.03 Hrs	48.79 Hz at 14.23 Hrs	49.52	2.23 % 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 06/Jul/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.29	5.99	68	23	60
Unit 2	0.00	1.14	0	0	0
Unit 3	0.00	6.10	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	2.98	18.75	175	72	120
Unit 6	3.42	20.37	171	110	120
Unit 7	0.09	16.31	89	0	0
	7.78	68.64			300
Bhusawal					
Unit 1	1.16	6.64	56	38	40
Unit 2	3.57	22.21	168	120	160
Unit 3	4.08	24.64	178	162	175
	8.81	53.49			375
Parli					
Unit 1	0.48	2.88	21	19	20
Unit 2	0.54	3.48	24	22	20
Unit 3	3.33	20.25	140	137	150
Unit 4	3.51	21.69	158	124	150
Unit 5	3.79	22.94	165	155	160
Unit 6	0.00	0.00	0	0	0
	11.65	71.24			500
Chandrapur					
Unit 1	4.04	22.91	170	164	170
Unit 2	3.69	22.10	157	150	150
Unit 3	4.49	26.64	205	165	210
Unit 4	4.63	26.85	198	189	200
Unit 5	9.07	56.52	419	326	350
Unit 6	8.54	54.64	394	330	400
Unit 7	8.16	54.74	353	313	350
	42.62	264.41			1830
Paras					
Unit 2	0.95	5.67	42	36	35
Unit 3	4.47	25.71	226	150	180
	5.42	31.37			215
Khaparkheda					
Unit 1	4.22	25.30	184	169	175
Unit 2	4.17	23.71	184	160	160
Unit 3	4.24	25.77	192	166	175
Unit 4	4.29	25.34	183	176	175
	16.92	100.11			685
Nasik					
Unit 1	0.00	8.17	0	0	0
Unit 2	1.56	4.35	83	42	80
Unit 3	0.00	0.00	0	0	0
Unit 4	4.24	27.37	177	176	180
Unit 5	4.09	25.30	178	161	180
	9.89	65.19			440
Uran					
All Units	11.42	74.13	603	422	465
	11.42	74.13			465
Koyna					
Stage 1-2	2.20	10.20	275	35	600
Stage 4	1.67	13.09	506	0	250
Kovna 12&4 Total	3.86	23.29			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.96	6.56	240	0	320
	4.82	29.85			1170
Hydro					
KDPH	0.00	1.21	0	0	0
VTRNA	0.55	2.44	61	0	60
TILLARI	0.42	1.04	60	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.11	1.11	44	0	40
RNGR+BHTSA	0.24	1.40	10	10	10
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	0.00	0	0	0
GHATGHAR	0.00	1.78	0	0	0
	1.31	8.98			110
PENCH (MS)					
Pench (MS)	0.36	1.28	23	0	
	0.36	1.28			
Wind					
MalharPeth	0.39	3.31			
Vankuswadi	0.93	7.22			
ATIT	0.23	1.76			
Kale	0.11	1.29			
Satara	0.42	3.68			
Shirala	0.46	2.32			
K Mahankal	0.46	1.67			
Supa	0.04	1.14			
Vita	2.67	16.22			
Dondaicha	2.36	9.40			
Sakri	0.50	1.91			
Nandurbar	0.32	1.44			
Khadakale	0.17	3.48			
Khaparale	0.17	1.58			
	9.22	56.42			
Dabhol					
RGPP L II	22.43	134.55	938	928	889
RGPP L III		0.00			
	22.43	134.55			889
Tata					
Trombay 4	0.00	0.04	0	0	0
Trombay 5	11.39	57.02	505	350	500
Trombay 6	9.79	65.62	510	150	500
Trombay 7A	2.97	17.49	125	121	120
Trombay 7B	0.00	6.13	0	0	0
Trombay 8	3.75	19.20	163	142	150
TATA Hydro	3.15	13.66	362	4	447
	31.05	179.16			1717
REL					
1&2	12.64	60.86	529	525	500
	12.64	60.86			500
Cent Sect					
Share					2707
					2707

MS PG CL	Thermal	103.10	654.46		4345
	Thml+Gas	114.52	728.59		4810
	Hydro	6.13	38.83		1280
	Total	120.65	767.42		6090
State Total		196.36	1199.70		11903

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 06/Jul/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	4341	131	463	4935	935	166	2672	2809	-3	19	8887	447	9334	1545	10879	49.62
2	4239	121	467	4827	937	246	2686	2753	-3	21	8807	77	8884	1417	10301	49.68
3	4204	111	463	4778	937	368	2686	2708	-3	23	8837	0	8837	1343	10180	49.62
4	4124	111	475	4710	938	457	2732	2455	-3	23	8597	0	8597	1294	9891	49.91
5	4157	121	469	4747	937	499	2732	2577	-3	21	8781	0	8781	1298	10079	49.79
6	4155	111	463	4729	938	396	2727	2974	-3	22	9059	471	9530	1356	10886	49.62
7	4136	116	464	4716	936	394	2741	3038	-3	19	9103	1038	10141	1517	11658	49.66
8	4175	116	462	4753	935	335	2872	2928	-67	-28	8923	1076	9999	1684	11683	49.61
9	4306	196	443	4945	933	325	2916	3039	-115	-74	9168	1528	10696	1947	12643	49.36
10	4325	99	448	4872	932	327	3086	3322	-307	-340	9113	1767	10880	2304	13184	49.60
11	4368	122	454	4944	928	331	3119	3199	-354	-387	9038	1981	11019	2489	13508	49.39
12	4303	249	491	5043	932	303	3118	3199	-354	-391	9109	1988	11097	2575	13672	49.16
13	4358	155	593	5106	931	327	3180	3123	-449	-489	9021	2059	11080	2560	13640	49.49
14	4378	72	603	5053	933	363	3138	2845	-401	-441	8776	1989	10765	2446	13211	49.47
15	4328	112	588	5028	931	410	3204	3076	-484	-525	8943	1821	10764	2454	13218	49.31
16	4317	108	510	4935	933	386	3213	3235	-484	-523	8989	1513	10502	2461	12963	49.47
17	4360	105	470	4935	931	424	3199	3337	-460	-500	9150	1490	10640	2478	13118	49.47
18	4350	127	446	4923	933	482	3074	3282	-392	-410	9223	1468	10691	2396	13087	49.52
19	4351	268	454	5073	935	540	2879	3207	-180	-191	9566	1795	11361	2335	13696	49.51
20	4389	807	448	5644	936	556	2811	3146	-180	-202	10103	2201	12304	2343	14647	49.54
21	4378	1100	443	5921	937	433	2812	2969	-180	-163	10120	1975	12095	2255	14350	49.29
22	4341	918	443	5702	937	491	2815	2860	-180	-162	9851	1911	11762	2166	13928	49.29
23	4358	456	440	5254	938	334	2793	3136	-133	-115	9570	1319	10889	2022	12911	49.65
24	4358	300	422	5080	937	331	2764	3008	-62	-53	9307	942	10249	1856	12105	49.49
MUs	103.10	6.13	11.42	120.65	22.43	9.22	69.97	72.22	-4.80	-4.85	220.04	30.86	250.90	48.54	299.44	49.52

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 06/Jul/2009

Position as on 6.30 Hrs of 07/Jul/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
Parli Unit 6	250	03/06/2009	06.35		Continued.	Annual Overhaul	20/07/2009
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	
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	25/07/2009
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Cent_Sect Kawas ST1C	116	03/06/2009	16:33		Continued.	Bearing Temp. High	27/07/2009
Koradi Unit 4	115	28/06/2009	14.18		Continued.	Coal Bunkering problem.	08/07/2009
Tata Trombay 4	150	01/07/2009	00:46		Continued.	W/dn	
Cent_Sect TARAPUR-3	540	02/07/2009	18.06	06/07/2009	00.13	protection Problem.	
Uran Unit 5	108	03/07/2009	11.33	06/07/2009	10.20	Fire in Dampers.	
Tata Trombay 7B	60	04/07/2009	21.12		Continued.	GT.Bucholz Operated.	10/08/2009
Koradi Unit 3	105	04/07/2009	22.31	07/07/2009	09.42	Boiler Tube Leakage	
Nasik Unit 1	125	05/07/2009	06.15		Continued.	Boiler Tube Leakage	09/07/2009
Uran Unit 3	60	05/07/2009	21.12		Continued.	Stator Earth Fault	
Koradi Unit 7	210	06/07/2009	00.50		Continued.	Boiler Tube Leakage	10/07/2009
Uran Unit 7	108	07/07/2009	02.37		Continued.	Jacking Oil Pressure Line Leakage.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 06/Jul/2009

Position as on 6.30 Hrs of 07/Jul/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	01/07/2009	09.12		Continued.	H/T FOR O/V
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Khandwa-I	19/06/2009	16:13		Continued.	3 Tower Colloped.
Dhule-Khandwa-II	19/06/2009	16:13		Continued.	3 Tower Colloped.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Main Breaker of C'Pur-Parli-I at Parli end	12/06/2009	10.56		Continued.	To attend hot spot on Bus Isolator,Line on TBC
400/220 KV 315 MVA ICT at Akola	06/07/2009	12.30	06/07/2009	15.14	Tap changing work.
Padgha-Nagothane	07/07/2009	08.58	07/07/2009	18.17	Q.M. WORK
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Mudsingi-Karad II	06/07/2009	08.50	06/07/2009	20.33	Cut point Crimping work
Padghe - Nashik - II	06/07/2009	10.21	06/07/2009	18.37	Maint.work
Karad - Mudshingi - III	06/07/2009	12.45	06/07/2009	18.30	Isolator errection
K'gaon-Lonand	06/07/2009	13.27	06/07/2009	13.42	Own Breaker commissioned.
Akola - Badnera - I	07/07/2009	09.45		Continued.	Relay Retrofitting Work.
Bus Coupler at Koradi	07/07/2009	10.18	07/07/2009	18.08	Q.M. WORK
Butibori-Indorama	07/07/2009	11.22	07/07/2009	15.42	Bus bar testing
Karad - Nigade	07/07/2009	11.45	07/07/2009	18.26	Testing and R.M. work.
Kolhapur - Karad - II	07/07/2009	12.39	07/07/2009	19.42	For making tapping arrangement
Nigade - Peth	07/07/2009	18.45	07/07/2009	21.26	Testing and R.M. work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Buldhana-Motala	07/07/2009	13.00		Continued.	C.B. replacement work.
Voltage Level : 500KV			Outage Type FORCED OUTAGE		
HVDC POLE I -CHDPR	07/07/2009	17.28	07/07/2009	22.43	Capacitor replacement work
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220KV,315MVA ICT-I at Chandrapur	07/07/2009	08.55	07/07/2009	11.39	Hot spot on isolator,ICT on TBC
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/33KV, 100MVA T/F at Ghodbandar	07/07/2009	11.33	07/07/2009	13.08	Cable Replacement
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha--Dhamangaon	01/07/2009	18.17		Continued.	H/T to control Akola ICT.
Wardha-Badnera	02/07/2009	18.30		Continued.	H/T to control Akola ICT.
Voltage Level : 220KV			Outage Type TRIPPED		
BBLSR-RANJANGAON	06/07/2009	04.33	06/07/2009	05.16	Distance Protection
220/22 KV 50 MVA T/F -I at Kalwa	06/07/2009	13.25	06/07/2009	15.40	Trip on PRV
220/33KV, 25MVA T/F at Gadchandur	06/07/2009	14.20	06/07/2009	14.35	Tripped on over current E/F
220/66KV,150MVA ICT-I at Gadchandur	06/07/2009	14.29	06/07/2009	14.40	Tripped on over current E/F
220/132 KV 100 MVA ICT-	06/07/2009	18.18	06/07/2009	20.05	Tripped

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 06/Jul/2009

Position as on 6.30 Hrs of 07/Jul/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
II @ Bhusawal					
Pedambe-Kharepatan	06/07/2009	19.20	06/07/2009	20.05	Tripped on Distance protection
Voltage Level : 132KV			Outage Type TRIPPED		
Paras-Akot	23/06/2009	16:45		Continued.	1 Tower Collopped.
Amravati - Akola	06/07/2009	16.06	06/07/2009	16.18	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 07/Jul/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	60
Unit 2	105	0
Unit 3	105	0
Unit 4	105	160
Unit 5	200	165
Unit 6	210	0
Unit 7	210	
	1040	385
Bhusawal		
Unit 1	58	40
Unit 2	210	160
Unit 3	210	175
	478	375
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	150
Unit 4	210	150
Unit 5	210	160
Unit 6	250	0
	940	500
Chandrapur		
Unit 1	210	170
Unit 2	210	155
Unit 3	210	210
Unit 4	210	160
Unit 5	500	400
Unit 6	500	400
Unit 7	500	400
	2340	1895
Paras		
Unit 2	55	35
Unit 3	250	180
	305	215
Khaparkheda		
Unit 1	210	175
Unit 2	210	175
Unit 3	210	175
Unit 4	210	175
	840	700
Nasik		
Unit 1	120	0
Unit 2	120	50
Unit 3	210	0
Unit 4	210	190
Unit 5	210	160
	870	400
Uran		
All Units	852	460
	852	460
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	60
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	170
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		
RGPPPL II	960	889
RGPPPL III	740	
	1700	889
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	0
Trombay 8	250	120
TATA Hydro	444	447
	2024	1687
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2818
	3143	2818