



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

State Load Dispatch Center, Airoli

Daily system Report

for

11/Jul/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 11/Jul/2009 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	100.612	1161.512	1) Madhya Pradesh	42.289	526.888
2) Hydro	3.545	61.551	2) Gujrat	19.046	205.642
3) Gas	10.716	127.092	3) Goa	-5.374	-58.131
Total MSGENCO	114.873	1350.155	4) TAPS 1&2 (Inj.)	3.669	40.471
B) OTHERS			5) Pench (Excess)	-0.076	-1.898
1) RGPPL Gas	22.154	243.160	# Total Cent. Sector	59.554	712.972
2) Wind Generation	15.634	123.943	F) Other Exchanges		
3) PENCH (MS)	0.076	1.898	1) With TPCL	-3.690	-60.686
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	28.322	307.561	1) MSEDCL Bilateral	-0.343	46.619
2) TPCL Hydro	1.666	27.195	Include PX	0.000	1.086
TOTAL TPCL	29.988	334.756	2) MUMBAI Bilateral	3.454	50.964
3) REL Thermal	12.680	124.173	Include PX	0.806	19.068
D) STATE			3) MUMBAI Schedule	3.454	60.394
1) Thermal (A1+C1+C3)	141.614	1593.246	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	5.287	90.644	1) MSEDCL	208.601	2373.340
3) Gas (A3+B1)	32.870	370.252	2) TPCL	30.428	343.167
4) Wind (B2)	15.634	123.943	3) REL	15.928	176.460
TOTAL STATE	195.405	2178.085	TOTAL STATE	254.957	2892.967

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4047	4449	3985
MSGENCO Hydro	248	351	55
MSGENCO Gas	475	442	429
MSGENCO Total Generation	4770	5242	4469
Central Sector Receipt	2525	2917	2324
RGPPL	932	930	870
WIND	602	700	576
Exchange with TPCL	-289	-139	23
MSEDCL DEMAND MET	8540	9673	8262
Load Shedding	1375	1352	0
MSEDCL DEMAND (INCL. LS)	9915	11025	8262
TPCL GENERATION	1457	1557	835
REL GENERATION	529	527	529
TPCL+REL DEMAND	2275	2223	1341
STATE DEMAND MET	10815	11896	9603
STATE DEMAND (INCL. LS)	12190	13248	9603
Frequency (Hz)	49.98	49.56	49.95
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			1453 MW At 20.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			11.86 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.53 Hz at 09.04 Hrs	49 Hz at 21.10 Hrs	49.81	0 % 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 11/Jul/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.68	10.88	42	10	50
Unit 2	0.00	1.44	0	0	0
Unit 3	1.48	13.37	77	46	65
Unit 4	0.00	0.00	0	0	0
Unit 5	0.68	27.09	138	0	0
Unit 6	3.42	38.16	171	125	130
Unit 7	3.20	22.74	165	0	160
	9.46	113.69			405
Bhusawal					
Unit 1	1.07	11.40	51	33	40
Unit 2	3.47	37.33	172	112	160
Unit 3	3.70	42.60	170	130	150
	8.24	91.33			350
Parli					
Unit 1	0.46	5.25	20	18	20
Unit 2	0.56	6.16	26	22	20
Unit 3	0.00	32.00	0	0	0
Unit 4	3.54	39.59	156	120	150
Unit 5	3.90	42.48	183	120	160
Unit 6	0.00	0.00	0	0	0
	8.46	125.47			350
Chandrapur					
Unit 1	3.47	41.38	161	0	165
Unit 2	3.56	40.39	154	141	150
Unit 3	4.08	47.50	192	150	175
Unit 4	4.22	45.69	190	156	200
Unit 5	9.61	103.66	455	354	400
Unit 6	7.42	96.58	406	233	400
Unit 7	9.46	102.24	423	363	400
	41.82	477.44			1890
Paras					
Unit 2	0.95	10.03	42	38	40
Unit 3	5.16	49.03	240	180	210
	6.11	59.06			250
Khaparkheda					
Unit 1	4.35	46.52	194	167	180
Unit 2	3.36	42.88	188	0	180
Unit 3	4.58	47.27	203	182	180
Unit 4	4.38	46.69	189	174	180
	16.67	183.37			720
Nasik					
Unit 1	0.00	8.17	0	0	0
Unit 2	1.63	12.02	86	50	70
Unit 3	0.00	0.00	0	0	0
Unit 4	4.28	48.33	190	159	165
Unit 5	3.94	42.63	179	147	142
	9.85	111.15			377
Uran					
All Units	10.72	127.09	475	409	450
	10.72	127.09			450
Koyna					
Stage 1-2	1.16	16.50	150	30	600
Stage 4	0.17	15.92	174	0	250
Kovna 12&4 Total	1.34	32.42			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.67	12.06	210	0	320
	2.01	44.48			1170
Hydro					
KDPH	0.00	1.21	0	0	0
VTRNA	0.36	3.39	61	0	60
TILLARI	0.70	4.61	60	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.23	2.22	82	0	80
RNGR+BHTSA	0.24	2.49	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	0.23	3.38	120	0	0
	1.76	17.30			210
PENCH (MS)					
Pench (MS)	0.08	1.90	24	0	0
	0.08	1.90			0
Wind					
MalharPeth	0.90	6.37			
Vankuswadi	2.16	14.05			
ATIT	0.46	3.33			
Kale	1.22	3.05			
Satara	0.93	7.96			
Shirala	0.86	5.50			
K Mahankal	0.12	3.66			
Supa	0.28	1.81			
Vita	4.35	34.88			
Dondaicha	2.17	25.54			
Sakri	0.34	4.11			
Nandurbar	0.38	3.85			
Khadakale	1.02	6.25			
Khaparale	0.45	3.58			
	15.63	123.94			
Dabhol					
RGPP L II	22.15	243.16	933	870	887
RGPP L III		0.00	0	0	
	22.15	243.16			887
Tata					
Trombay 4		0.04	0	0	0
Trombay 5	11.58	115.76	500	400	500
Trombay 6	10.02	115.22	510	160	500
Trombay 7A	2.64	32.10	125	100	120
Trombay 7B	0.00	6.13	0	0	0
Trombay 8	4.08	38.32	172	167	120
TATA Hydro	1.67	27.20	264	4	447
	29.99	334.76			1687
REL					
1&2	12.68	124.17	530	526	500
	12.68	124.17			500
Cent Sect					
Share					2518
					2518

MS PG CL	Thermal	100.61	1161.51		4342
	Thml+Gas	111.33	1288.60		4792
	Hydro	3.54	61.55		1380
	Total	114.87	1350.16		6172
State Total		195.40	2178.08		11764

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 11/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	4051	50	430	4531	931	554	2468	2326	4	25	8367	241	8608	1618	10226	49.88
2	4137	50	430	4617	928	565	2468	2112	4	28	8250	59	8309	1489	9798	49.92
3	4032	50	430	4512	922	569	2468	2223	4	29	8255	0	8255	1421	9676	49.92
4	3985	55	429	4469	870	576	2468	2324	4	23	8262	0	8262	1341	9603	49.95
5	3924	50	440	4414	871	611	2468	2404	4	25	8325	0	8325	1339	9664	49.78
6	4020	75	450	4545	907	590	2462	2532	4	24	8598	444	9042	1425	10467	49.59
7	4225	60	471	4756	933	620	2547	2210	-5	11	8530	1058	9588	1573	11161	50.04
8	4257	50	470	4777	933	638	2505	2315	-5	12	8675	938	9613	1645	11258	50.01
9	4250	117	470	4837	933	545	2505	2358	-5	13	8686	986	9672	1839	11511	50.00
10	4150	175	470	4795	931	599	2641	2706	-227	-283	8748	1086	9834	2175	12009	49.85
11	4047	248	475	4770	932	602	2640	2525	-227	-289	8540	1375	9915	2275	12190	49.98
12	3980	150	459	4589	929	607	2641	2635	-227	-286	8474	1275	9749	2361	12110	49.76
13	4108	90	459	4657	921	669	2750	2576	-335	-401	8422	1120	9542	2375	11917	50.03
14	4172	103	457	4732	930	723	2740	2353	-325	-373	8365	575	8940	2255	11195	49.99
15	4196	104	450	4750	927	747	2738	2396	-324	-383	8437	263	8700	2231	10931	49.79
16	4270	104	452	4826	926	932	2740	2111	-325	-385	8410	184	8594	2208	10802	49.78
17	4261	99	447	4807	926	815	2758	2391	-346	-397	8542	171	8713	2219	10932	49.67
18	4274	104	450	4828	927	814	2775	2715	-363	-370	8914	263	9177	2176	11353	49.74
19	4252	186	456	4894	929	769	2527	2540	-149	-145	8993	668	9661	2116	11777	49.88
20	4356	401	449	5206	927	653	2533	3053	-149	-142	9720	1202	10922	2214	13136	49.62
21	4449	351	442	5242	930	700	2608	2917	-149	-139	9673	1352	11025	2223	13248	49.56
22	4453	339	409	5201	930	610	2567	2712	-147	-135	9342	1298	10640	2056	12696	49.49
23	4382	330	410	5122	930	576	2527	2693	-99	-85	9236	890	10126	1923	12049	49.54
24	4458	204	411	5073	931	548	2501	2420	-73	-67	8905	628	9533	1861	11394	49.65
MUs	100.69	3.54	10.72	114.95	22.15	15.63	62.04	59.55	-3.45	-3.69	208.67	16.08	224.74	46.36	271.10	49.81

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 11/Jul/2009

Position as on 6.30 Hrs of 12/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
Koyna ST - IV 4	250	10/07/2009	06.09		Continued.	Maintenance work.	18/07/2009
Parli Unit 3	210	10/07/2009	13.43		Continued.	P.A. Fan Tripped.	18/07/2009
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.	18/07/2009
Tata Trombay 4	150	01/07/2009	00:46		Continued.	W/dn	
Tata Trombay 7B	60	04/07/2009	21.12		Continued.	GT.Bucholz Operated.	10/08/2009
Nasik Unit 1	125	05/07/2009	06.15		Continued.	Boiler Tube Leakage	13/07/2009
Uran Unit 3	60	05/07/2009	21.12		Continued.	Stator Earth Fault	
Uran Unit 7	108	07/07/2009	02.37	12/07/2009	17.17	Jacking Oil Pressure Line Leakage.	
Koradi Unit 2	105	08/07/2009	14:14		Continued.	W/dn, Clinker Formation	14/07/2009
Koradi Unit 5	200	09/07/2009	03:39	11/07/2009	16.37	Tripped on Flame Failure.	12/07/2009
Chandrapur Unit 1	210	10/07/2009	22.21	11/07/2009	00.59	29D Isolator problem.	
Koradi Unit 7	210	11/07/2009	09.23	11/07/2009	11.55	Furnance pressure high	
Khaparkheda Unit 2	210	11/07/2009	17.37	11/07/2009	19.42	Flame Failure	
Paras Unit 2	55	12/07/2009	08.38	12/07/2009	13.06	Reverse Power Protection	
Parli Unit 4	210	12/07/2009	13.16	12/07/2009	20.40	Furnance Pressure Low.	
Paras Unit 2	55	12/07/2009	15.40	12/07/2009	19.25	Main steam temp.low.	
Koradi Unit 5	200	12/07/2009	23.52		Continued.	Furnance Pressure Low.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Jul/2009

Position as on 6.30 Hrs of 12/Jul/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Padgha - Boisar (PGCIL)	11/07/2009	09.22	11/07/2009	16.13	Q.M. WORK
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	01/07/2009	09.12		Continued.	H/T FOR O/V
AKOLA-WARDHA--I	09/07/2009	06:32		Continued.	H/T FOR O/V
Kolhapur-Mapusa Ckt I	09/07/2009	23:52	11/07/2009	09.37	H/T FOR O/V
DHULE-SAR'SAROVAR-I	09/07/2009	23:52	11/07/2009	09.35	H/T FOR O/V
DHULE-SAR'SAROVAR-I	11/07/2009	23.14	12/07/2009	10.00	H/T FOR O/V
Kolhapur-Mapusa Ckt I	12/07/2009	01.10	12/07/2009	10.05	H/T FOR O/V
Dhule-Sar'Sarovar II	12/07/2009	23.01		Continued.	Hand Tripped to Control O/V.
Kolhapur-Mapusa-II	12/07/2009	23.05		Continued.	Hand Tripped to Control O/V.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Khandwa-I	19/06/2009	16:13		Continued.	3 Tower Collopped.
Dhule-Khandwa-II	19/06/2009	16:13		Continued.	3 Tower Collopped.
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Navsari -II	12/07/2009	14.07	12/07/2009	15.29	Distance Protection
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400 KV TBC-II At Chandrapur.	11/07/2009	09.58	11/07/2009	15.20	Contacto replacement work.
Kalwa-Kharghar	11/07/2009	10.24	11/07/2009	19.54	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
Nasik-Bablsr Ckt I	09/07/2009	09:45		Continued.	CKT on TBC,for Main Breaker Replacement.
Kalwa-C'chem	10/07/2009	07.16	11/07/2009	01.03	Stringing for inter changing with Nsk-Klw-3.
Boiser-PGCIL-I	10/07/2009	09.34	11/07/2009	01.43	Retrofitting work.
220/132 KV,63 MVA,ICT-2 at Lonand.	10/07/2009	12.10		Continued.	HV C.B.Repl.(ICT is on TBC)
BBLSR II- BBL SRL CKT. I	11/07/2009	09.30	11/07/2009	16.18	Q.M. WORK
220/132 KV,100 MVA ICT At Dondaicha	11/07/2009	09.30	11/07/2009	18.25	Tan Delta Measurment.
Chandrapur-Warora - I	11/07/2009	09.45	11/07/2009	11.15	Errection of 220 KV New ABB make Y pole Bkr.
LONIKAND-KATHAPUR	11/07/2009	10.19	11/07/2009	16.41	Line Maintenance work.
220/100 KV,100 MVA T/F.I at Taloja.	11/07/2009	10.55	11/07/2009	15.54	Bay Maintenance work.
150 MVA ICT @ Amravati	11/07/2009	11.02	11/07/2009	13.05	Repl.of gasket for buchholz relay.
Koradi-Ambazari-I	11/07/2009	13.17	11/07/2009	16.36	Attending problem in tripped Ckt.Supervision relay.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bhusawal - Nimbhora Ckt.	11/07/2009	09.19	11/07/2009	17.30	Q.M. WORK
Nanded - Tamsa	11/07/2009	10.40	11/07/2009	19.55	Shifting of old CT and PT cement structure to steel structure.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kalwa-Salshet ckt-II	12/07/2009	08.40	12/07/2009	16.06	Line Maintenance work.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 11/Jul/2009

Position as on 6.30 Hrs of 12/Jul/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 315 MVA ICT at Akola	09/07/2009	11:28		Continued.	LV CB H/T.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha--Dhamangaon	01/07/2009	18.17		Continued.	H/T to control Akola ICT.
Voltage Level : 100KV			Outage Type HAND TRIPPED		
Kalwa-Kalyan	10/07/2009	06.55	11/07/2009	01.04	H/T for Col.Chem.outage.
Kalwa-Nocil II	10/07/2009	06.55	11/07/2009	01.04	H/T for col.chem-Klw outage
Kalwa-Mukund II	10/07/2009	06.55	11/07/2009	01.17	H/T for col.chem-Klw outage
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 315 ICT-I DHULE	11/07/2009	16.02	11/07/2009	17.02	Tripped on OLTC Buchhloz.
Voltage Level : 220KV			Outage Type TRIPPED		
Dhule-Dondaicha-II	11/07/2009	06.35	11/07/2009	07.05	Tripped due to busting of HV side CT of T/F at Dondaicha S/S.
220/132kv,100MVA ICT-I at khadka	11/07/2009	17.59	11/07/2009	21.48	Buchholz Trip.
Voltage Level : 132KV			Outage Type TRIPPED		
Paras-Akot	23/06/2009	16:45	11/07/2009	20.50	1 Tower Collapsed.
Dhule-Dondaicha Ckt.I	11/07/2009	06.35	11/07/2009	07.10	Tripped due to busting of HV side CT of T/F at Dondaicha S/S.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 12/Jul/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	50
Unit 2	105	0
Unit 3	105	75
Unit 4	105	0
Unit 5	200	110
Unit 6	210	160
Unit 7	210	160
	1040	555
Bhusawal		
Unit 1	58	40
Unit 2	210	160
Unit 3	210	135
	478	335
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	0
Unit 4	210	150
Unit 5	210	160
Unit 6	250	0
	940	350
Chandrapur		
Unit 1	210	170
Unit 2	210	155
Unit 3	210	170
Unit 4	210	180
Unit 5	500	425
Unit 6	500	425
Unit 7	500	430
	2340	1955
Paras		
Unit 2	55	40
Unit 3	250	210
	305	250
Khaparkheda		
Unit 1	210	180
Unit 2	210	160
Unit 3	210	180
Unit 4	210	180
	840	700
Nasik		
Unit 1	120	0
Unit 2	120	66
Unit 3	210	0
Unit 4	210	180
Unit 5	210	160
	870	406
Uran		
All Units	852	450
	852	450
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	80
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	210
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	887
RGPPPL III	740	
	1700	887
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	375
	2024	1615
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2394
	3143	2394

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