



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

State Load Dispatch Center, Airoli

Daily system Report

for

11/Aug/2009

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	110.699	1152.259	1) Madhya Pradesh	44.127	470.096
2) Hydro	28.265	215.304	2) Gujrat	15.986	190.203
3) Gas	15.126	149.827	3) Goa	-5.339	-59.554
Total MSGENCO	154.090	1517.390	4) TAPS 1&2 (Inj.)	7.220	80.244
B) OTHERS			5) Pench (Excess)	-0.437	-5.964
1) RGPPL Gas	22.456	242.429	# Total Cent. Sector	61.557	675.025
2) Wind Generation	9.273	189.148	F) Other Exchanges		
3) PENCH (MS)	0.437	5.964	1) With TPCL	-3.967	-41.215
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	30.581	326.188	1) MSEDCL Bilateral	2.000	31.021
2) TPCL Hydro	4.998	49.034	Include PX	1.363	5.234
TOTAL TPCL	35.579	375.222	2) MUMBAI Bilateral	5.243	46.973
3) REL Thermal	12.627	125.245	Include PX	0.229	8.289
D) STATE			3) MUMBAI Schedule	5.243	50.409
1) Thermal (A1+C1+C3)	153.907	1603.692	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	33.700	270.302	1) MSEDCL	243.846	2588.741
3) Gas (A3+B1)	37.582	392.256	2) TPCL	34.549	357.586
4) Wind (B2)	9.273	189.148	3) REL	17.624	184.043
TOTAL STATE	234.462	2455.398	TOTAL STATE	296.019	3130.370

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4725	4587	4595
MSGENCO Hydro	1617	1962	614
MSGENCO Gas	618	632	632
MSGENCO Total Generation	6960	7181	5841
Central Sector Receipt	2688	2591	2266
RGPPL	928	933	942
WIND	308	464	420
Exchange with TPCL	-448	-236	40
MSEDCL DEMAND MET	10446	10960	9535
Load Shedding	2676	3527	1134
MSEDCL DEMAND (INCL. LS)	13122	14487	10669
TPCL GENERATION	1757	1738	1074
REL GENERATION	522	524	528
TPCL+REL DEMAND	2727	2498	1562
STATE DEMAND MET	13173	13458	11097
STATE DEMAND (INCL. LS)	15849	16985	12231
Frequency (Hz)	49.02	49.13	49.04
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4849 MW at 20.00Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			77.02 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
49.78 Hz at 10.00 Hrs	48.7 Hz at 00.15 Hrs	49.1	36.6 % 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/Aug/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	0.00	0	0	0
Unit 2	1.71	18.02	78	66	70
Unit 3	1.51	15.60	70	54	60
Unit 4	1.82	20.46	77	75	70
Unit 5	4.17	44.85	182	161	170
Unit 6	4.26	32.18	182	171	170
Unit 7	0.00	0.00	0	0	0
	13.47	131.12			540
Bhusawal					
Unit 1	1.24	12.72	58	44	50
Unit 2	3.46	34.06	162	127	160
Unit 3	4.46	47.30	192	180	190
	9.16	94.08			400
Parli					
Unit 1	0.53	5.92	23	21	20
Unit 2	0.56	6.24	25	22	20
Unit 3	4.29	46.38	186	169	160
Unit 4	0.00	0.00	0	0	0
Unit 5	4.23	45.84	183	166	170
Unit 6	5.17	32.22	244	194	210
	14.79	136.59			580
Chandrapur					
Unit 1	3.62	41.59	160	144	160
Unit 2	3.23	37.71	140	123	145
Unit 3	4.66	51.74	205	175	205
Unit 4	4.85	51.10	204	200	200
Unit 5	9.04	109.33	407	344	400
Unit 6	9.81	108.10	428	390	425
Unit 7	0.00	0.00	0	0	0
	35.21	399.57			1535
Paras					
Unit 2	0.66	4.44	29	22	20
Unit 3	4.83	32.39	210	192	200
	5.49	36.82			220
Khaparkheda					
Unit 1	2.72	49.47	189	0	180
Unit 2	4.45	49.40	194	166	200
Unit 3	5.08	53.60	214	210	210
Unit 4	5.01	46.42	214	201	210
	17.26	198.89			800
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	1.77	17.39	90	54	85
Unit 3	4.64	50.26	206	172	200
Unit 4	4.55	41.64	199	168	180
Unit 5	4.37	45.90	193	170	180
	15.33	155.18			645
Uran					
All Units	15.13	149.83	640	618	600
	15.13	149.83			600
Koyna					
Stage 1-2	5.19	39.09	480	40	600
Stage 4	17.04	117.77	1120	11	250
Koyna 12&4 Total	22.23	156.86			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	4.50	34.87	240	30	240
	26.73	191.73			1090
Hydro					
KDPH	0.00	0.43	0	0	0
VTRNA	0.00	0.19	0	0	0
TILLARI	0.61	7.89	60	0	60
BHTGR/VEER	0.21	3.41	9	8	10
BHIRA T.R.	0.43	3.57	79	0	80
RNGR+BHTSA	0.28	3.31	18	2	12
BHANDARDRA	0.00	2.37	0	0	28
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	0.00	0	0	0
GHATGHAR	0.00	2.39	0	0	0
	1.54	23.57			190
PENCH (MS)					
Pench (MS)	0.44	5.96	27	0	0
	0.44	5.96			0
Wind					
MalharPeth	0.52	8.95			
Vankuswadi	1.22	19.52			
ATIT	0.27	5.13			
Kale	1.39	7.24			
Satara	0.48	11.58			
Shirala	0.33	6.34			
K Mahankal	0.05	7.32			
Supa	0.10	3.35			
Vita	2.05	30.28			
Dondaicha	1.66	53.34			
Sakri	0.30	10.87			
Nandurbar	0.28	5.82			
Khadakale	0.41	12.66			
Khaparale	0.22	6.77			
	9.27	189.15			
Dabhol					
RGPP L II	22.46	242.43	946	923	885
RGPP L III	0.00	0.00	0	0	0
	22.46	242.43			885
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.10	132.64	505	490	500
Trombay 6	10.59	117.54	510	150	500
Trombay 7A	2.83	24.67	125	111	120
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	5.06	51.33	217	200	200
TATA Hydro	5.00	49.03	407	2	447
	35.58	375.22			1767
REL					
1&2	12.63	125.24	529	522	500
	12.63	125.24			500
Cent Sect					
Share					2502
					2502

MS PG CL	Thermal	110.70	1152.26		4720
	Thml+Gas	125.82	1302.09		5320
	Hydro	28.26	215.30		1280
	Total	154.09	1517.39		6600
State Total		234.46	2455.40		12254

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 11/Aug/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	4625	976	628	6229	939	443	2332	2324	-21	36	9997	1111	11108	1782	12890	48.88
2	4591	767	632	5990	941	414	2312	2283	-21	39	9693	1110	10803	1660	12463	48.99
3	4595	614	632	5841	942	420	2309	2266	-21	40	9535	1134	10669	1562	12231	49.04
4	4596	665	625	5886	937	432	2310	2272	-21	42	9595	1189	10784	1459	12243	48.93
5	4589	589	624	5802	937	414	2310	2361	-21	41	9555	1238	10793	1495	12288	48.91
6	4636	1239	639	6514	945	380	2312	2347	-21	39	10225	1467	11692	1578	13270	49.29
7	4665	627	629	5921	939	393	2379	2398	-21	38	9689	2626	12315	1676	13991	49.03
8	4649	424	637	5710	943	349	2631	2567	-21	32	9601	2931	12532	1757	14289	49.23
9	4704	286	629	5619	939	283	2625	2518	-17	39	9398	3302	12700	2052	14752	49.12
10	4713	879	622	6214	934	310	2833	2758	-365	-312	9904	2954	12858	2440	15298	49.08
11	4684	1324	624	6632	931	237	2861	2859	-446	-402	10257	2758	13015	2642	15657	49.19
12	4725	1617	618	6960	928	308	2860	2688	-494	-448	10446	2676	13122	2727	15849	49.02
13	4692	1323	629	6644	928	282	2898	2866	-456	-415	10331	2785	13116	2674	15790	49.27
14	4728	1336	626	6690	923	263	2808	2752	-409	-365	10290	2830	13120	2583	15703	49.18
15	4687	1093	628	6408	927	331	2807	2737	-409	-368	10062	3000	13062	2607	15669	49.15
16	4473	1295	633	6401	927	367	2796	2812	-409	-364	10170	2890	13060	2602	15662	49.15
17	4449	1221	632	6302	928	433	2795	2868	-413	-371	10187	3144	13331	2599	15930	49.18
18	4466	1376	632	6474	931	481	2792	2791	-347	-311	10393	3087	13480	2522	16002	49.16
19	4533	1826	625	6984	938	487	2549	2759	-327	-278	10917	2694	13611	2473	16084	48.95
20	4587	1962	632	7181	933	464	2469	2591	-279	-236	10960	3527	14487	2498	16985	49.13
21	4576	1764	636	6976	938	501	2487	2572	-293	-233	10781	3278	14059	2473	16532	49.25
22	4588	1778	635	7001	941	438	2366	2306	-172	-108	10605	2974	13579	2248	15827	49.06
23	4581	1727	639	6947	941	453	2355	2397	-149	-84	10681	2120	12801	2136	14937	49.10
24	4567	1557	640	6764	946	389	2405	2465	-88	-18	10573	1535	12108	1928	14036	49.09
MUs	110.70	28.26	15.13	154.09	22.46	9.27	61.60	61.56	-5.24	-3.97	243.84	58.36	302.20	52.17	354.38	49.10

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/Aug/2009

Position as on 6.30 Hrs of 12/Aug/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
Tata Trombay 7B	60	04/07/2009	21.12		Continued.	GT.Bucholz Operated.	08/09/2009
Nasik Unit 1	125	05/07/2009	6:15		Continued.	Generator Rotor Problem	30/09/2009
Chandrapur Unit 7	500	16/07/2009	04:53		Continued.	A/OH.	15/08/2009
Cent_Sect NTPC(V-7)	500	18/07/2009	23.27		Continued.	Annual Overhaul.	20/08/2009
Koradi Unit 7	210	20/07/2009	09.57		Continued.	Annual Overhaul	14/08/2009
Koradi Unit 1	105	24/07/2009	01:20		Continued.	ANNUAL OVERHAUL	03/09/2009
Parli Unit 4	210	25/07/2009	00.58		Continued.	AOH.	20/08/2009
Koyna Unit 11	80	25/07/2009	15.30		Continued.	To attend Stator Earth Fault	31/08/2009
Cent_Sect NTPC(K-5)	500	31/07/2009	23.50		Continued.	Annual Overhaul	30/08/2009
Cent_Sect Kawas ST2C	116	09/08/2009	00:38		Continued.	AOH	24/08/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	20/12/2009
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	15/02/2010
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	25/10/2009
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Tata Trombay 4	150	01/07/2009	00:46		Continued.	W/dn	
Uran Unit 3	60	05/07/2009	21.12		Continued.	Stator Earth Fault	
Khaparkheda Unit 1	210	11/08/2009	14.56		Continued.	Boiler Tube Leaakge	14/08/2009
Koyna Unit 9	80	12/08/2009	03.28	12/08/2009	17.20	R phase LA burst of stepup T/F	
Koradi Unit 5	200	12/08/2009	05.02	12/08/2009	09.10	High Furnance pressure	

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

Position as on 6.30 Hrs of 12/Aug/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kolhapur-Phonda Ckt. I	26/07/2009	09.10		Continued.	Outage.
Tillary-Phonda	26/07/2009	09.52		Continued.	Outage.
Tarapur - Boiser.	12/08/2009	10.37	12/08/2009	14.02	Stringing work at Railway crossing
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
Dhule-S'Sarovar I	09/08/2009	19:09	11/08/2009	05.16	H/T FOR O/V
Dhule-S'Sarovar I	11/08/2009	19.15		Continued.	H/T for O/V
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Khandwa-II	19/06/2009	16:13		Continued.	3 Tower Collapsed.
Dhule-Sar'Sarovar II	11/08/2009	02.26	11/08/2009	15.25	O/V Relay Operated at SSP.DT Received at Dhule end.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
Chandrapur-Padaghe Pole - II	07/08/2009	12.16		Continued.	Smoothing Reactor Problem.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 105MVA spare ICT at Parly-II	11/08/2009	10.57	11/08/2009	14.13	Leakage in Fire Prot. system
400 KV HVDC - II (Tie-II) at Padgha	12/08/2009	10.04		Continued.	Bay Maint.work
Parly - Chandrapur - II	12/08/2009	12.45	12/08/2009	12.54	To out line Reactor, to attend oil leakage of 50MVAR line Reactor
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
220/132 KV, 63 MVA, ICT-2 at Lonand.	10/07/2009	12.10		Continued.	HV C.B.Repl., ICT on TBC
220/132 KV 63MVA T/F I at Lonand	23/07/2009	11.50		Continued.	Errection of New T/F
C'pur-Sicom-I	26/07/2009	09.50		Continued.	C.B.Replacement Work.Line on TBC.
Nasik - Ghatghar	03/08/2009	10.36		Continued.	C.B.replacement, Ckt on TBC
Bhusawal-Chalisingaon-II	06/08/2009	19.12		Continued.	CKT on TBC main breaker replacement work.
Padgha - Kalwa	11/08/2009	09.16	11/08/2009	18.41	R.M.
220/100KV 50MVA T/F-III at K'gaon	11/08/2009	10.10	11/08/2009	12.15	R.M.
Virur - Gadhchiroli	11/08/2009	10.15	11/08/2009	16.05	Replacement of faulty Insulator string Loc.no.231
Dhule-Chalisingaon	11/08/2009	10.20	11/08/2009	14.35	Tree cutting work
Karad - Vita - I	11/08/2009	10.30	11/08/2009	17.17	R.M.
Parvati-Phursungi	11/08/2009	10.33	12/08/2009	22.48	Retrofitting work
Pophali - Pedambe - I	11/08/2009	13.30	11/08/2009	14.25	Distance Prot. R phase to E
Yavatmal-Pusad	12/08/2009	08.50	12/08/2009	16.58	Retrofitting work
Khaperkheda - Wardha.	12/08/2009	09.48	12/08/2009	14.38	Quarterly Maint.
Kalwa-Mahape	12/08/2009	09.52	12/08/2009	18.35	R.M.work
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		

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

Position as on 6.30 Hrs of 12/Aug/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Kanhan - Mankapur.	12/08/2009	10.11		Continued.	Repl. of 132KV CT
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Apta - Taloja	12/08/2009	10.01	12/08/2009	16.31	R phase Wavetrap hot spot attended
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Pusad - Parbhani	12/08/2009	11.52	12/08/2009	14.20	H/T to control Bhugaon-Pusad line loading
Pusad - Parbhani	12/08/2009	16.01	12/08/2009	17.01	H/T to control Bhugaon-Pusad line loading
Kalwa-Padgha I	12/08/2009	23.40		Continued.	H/T to attend Red hot Y phase Isolator Bus
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Bhadravati-IV	12/08/2009	07.10	12/08/2009	08.35	Tripped on O/V
Chandrapur - Bhadravati-IV	12/08/2009	20.22	12/08/2009	22.46	Tripped on O/V
Voltage Level : 220KV			Outage Type TRIPPED		
Kalwa - Khargar	11/08/2009	23.31	12/08/2009	04.23	Distance prot. R phasse to E
Pusad-Nanded	11/08/2009	5:30	11/08/2009	12.02	R-ph LA Burst at Nanded
Bableshtar - Alephata	12/08/2009	00.11	12/08/2009	11.33	Distance Prot.
Pedambe-Kharepatan	12/08/2009	04.35	12/08/2009	16.50	Distance prot.
Kandalgaon - Pophali	12/08/2009	13.45	12/08/2009	18.20	B phase L.A.Burst
Voltage Level : 132KV			Outage Type TRIPPED		
Parbhani-Pathari	11/08/2009	14.58	11/08/2009	15.17	Distance prot.
null					
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Theur-Chinchwad	11/08/2009	18.43	12/08/2009	20.43	H/T to control Lonikand ICT

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 12/Aug/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	70
Unit 3	105	60
Unit 4	105	80
Unit 5	200	0
Unit 6	210	180
Unit 7	210	0
	1040	390
Bhusawal		
Unit 1	58	50
Unit 2	210	160
Unit 3	210	190
	478	400
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	180
Unit 4	210	0
Unit 5	210	180
Unit 6	250	230
	940	630
Chandrapur		
Unit 1	210	90
Unit 2	210	140
Unit 3	210	200
Unit 4	210	205
Unit 5	500	450
Unit 6	500	425
Unit 7	500	0
	2340	1510
Paras		
Unit 2	55	40
Unit 3	250	200
	305	240
Khaparkheda		
Unit 1	210	0
Unit 2	210	185
Unit 3	210	210
Unit 4	210	210
	840	605
Nasik		
Unit 1	120	0
Unit 2	120	85
Unit 3	210	200
Unit 4	210	180
Unit 5	210	180
	870	645
Uran		
All Units	852	610
	852	610
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	160
	1920	1010
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	12
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	162
PENCH (MS)		
Pench (MS)	53	0
	53	0
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	882
RGPL III	740	0
	1700	882
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	100
Trombay 7B	60	0
Trombay 8	250	200
TATA Hydro	444	447
	2024	1747
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2304
	3143	2304