



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Aug/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/Aug/2009 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	96.524	96.524	1) Madhya Pradesh	42.900	42.900
2) Hydro	21.645	21.645	2) Gujrat	13.779	13.779
3) Gas	12.676	12.676	3) Goa	-5.279	-5.279
Total MSGENCO	130.845	130.845	4) TAPS 1&2 (Inj.)	7.307	7.307
B) OTHERS			5) Pench (Excess)	-0.927	-0.927
1) RGPPL Gas	22.460	22.460	# Total Cent. Sector	57.780	57.780
2) Wind Generation	15.566	15.566	F) Other Exchanges		
3) PENCH (MS)	0.927	0.927	1) With TPCL	-5.267	-5.267
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	27.842	27.842	1) MSEDCL Bilateral	0.280	0.280
2) TPCL Hydro	3.478	3.478	Include PX	0.000	0.000
TOTAL TPCL	31.320	31.320	2) MUMBAI Bilateral	4.599	4.599
3) REL Thermal	12.635	12.635	Include PX	0.658	0.658
D) STATE			3) MUMBAI Schedule	4.599	4.599
1) Thermal (A1+C1+C3)	137.001	137.001	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	26.050	26.050	1) MSEDCL	222.311	223.238
3) Gas (A3+B1)	35.136	35.136	2) TPCL	32.172	32.172
4) Wind (B2)	15.566	15.566	3) REL	17.050	17.050
TOTAL STATE	213.753	213.753	TOTAL STATE	271.533	272.460

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4004	4199	3864
MSGENCO Hydro	1078	1958	309
MSGENCO Gas	521	482	588
MSGENCO Total Generation	5603	6639	4761
Central Sector Receipt	2395	2404	2504
RGPPL	935	939	939
WIND	720	614	648
Exchange with TPCL	-407	-243	-54
MSEDCL DEMAND MET	9273	10406	8851
Load Shedding	2455	2596	969
MSEDCL DEMAND (INCL. LS)	11728	13002	9820
TPCL GENERATION	1536	1548	921
REL GENERATION	525	525	527
TPCL+REL DEMAND	2468	2316	1502
STATE DEMAND MET	11741	12722	10353
STATE DEMAND (INCL. LS)	14196	15318	11322
Frequency (Hz)	49.26	49.25	49.50
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3793 MW At 21.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			66.16 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
49.86 Hz at 13.24 Hrs	48.79 Hz at 21.10 Hrs	49.36	3.07 % 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 01/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	1.37	1.37	70	48	45
Unit 3	1.05	1.05	55	36	40
Unit 4	1.39	1.39	75	41	45
Unit 5	3.66	3.66	170	135	150
Unit 6	4.08	4.08	203	142	150
Unit 7	0.00	0.00	0	0	0
	11.55	11.55			430
Bhusawal					
Unit 1	1.12	1.12	54	30	45
Unit 2	3.49	3.49	155	131	160
Unit 3	3.90	3.90	187	139	170
	8.51	8.51			375
Parli					
Unit 1	0.42	0.42	27	0	0
Unit 2	0.37	0.37	26	0	20
Unit 3	4.08	4.08	180	160	150
Unit 4	0.00	0.00	0	0	0
Unit 5	4.08	4.08	175	158	170
Unit 6	0.00	0.00	0	0	0
	8.94	8.94			340
Chandrapur					
Unit 1	3.75	3.75	163	139	155
Unit 2	3.48	3.48	148	138	145
Unit 3	4.62	4.62	207	181	200
Unit 4	4.72	4.72	206	176	200
Unit 5	10.42	10.42	466	398	425
Unit 6	9.23	9.23	434	330	400
Unit 7	0.00	0.00	0	0	0
	36.22	36.22			1525
Paras					
Unit 2	0.63	0.63	30	22	20
Unit 3	3.54	3.54	175	120	130
	4.16	4.16			150
Khaparkheda					
Unit 1	4.44	4.44	198	172	190
Unit 2	4.37	4.37	189	172	190
Unit 3	4.74	4.74	206	191	190
Unit 4	4.61	4.61	198	188	190
	18.16	18.16			760
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	1.12	1.12	84	30	50
Unit 3	4.20	4.20	208	140	170
Unit 4	0.00	0.00	0	0	0
Unit 5	3.66	3.66	161	136	142
	8.98	8.98			362
Uran					
All Units	12.68	12.68	588	423	600
	12.68	12.68			600
Koyna					
Stage 1-2	4.32	4.32	500	40	600
Stage 4	12.26	12.26	1120	0	250
Koyna 12&4 Total	16.58	16.58			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	3.53	3.53	240	0	240
	20.11	20.11			1090
Hydro					
KDPH	0.43	0.43	39	0	38
VTRNA	0.00	0.00	0	0	0
TILLARI	0.00	0.00	0	0	60
BHTGR/VEER	0.24	0.24	10	10	10
BHIRA T.R.	0.32	0.32	72	0	80
RNGR+BHTSA	0.43	0.43	18	18	0
BHANDARDRA	0.05	0.05	24	0	32
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	0.00	0	0	0
GHATGHAR	0.06	0.06	63	0	0
	1.53	1.53			220
PENCH (MS)					
Pench (MS)	0.93	0.93	53	14	0
	0.93	0.93			0
Wind					
MalharPeth	1.51	1.51			
Vankuswadi	1.90	1.90			
ATIT	0.34	0.34			
Kale	0.56	0.56			
Satara	1.06	1.06			
Shirala	0.43	0.43			
K Mahankal	0.28	0.28			
Supa	0.32	0.32			
Vita	2.40	2.40			
Dondaicha	4.34	4.34			
Sakri	0.96	0.96			
Nandurbar	0.49	0.49			
Khadakale	0.75	0.75			
Khaparale	0.22	0.22			
	15.57	15.57			
Dabhol					
RGPP L II	22.46	22.46	942	922	890
RGPP L III			0	0	0
	22.46	22.46			890
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.00	12.00	500	500	500
Trombay 6	10.06	10.06	510	155	500
Trombay 7A	2.06	2.06	105	68	120
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	3.72	3.72	166	143	150
TATA Hydro	3.48	3.48	333	2	446
	31.32	31.32			1716
REL					
1&2	12.64	12.64	528	524	500
	12.64	12.64			500
Cent Sect					
Share					2502
					2502

MS PG CL	Thermal	96.52	96.52			3942
	Thml+Gas	109.20	109.20			4542
	Hydro	21.64	21.64			1310
	Total	130.84	130.84			5852
State Total		213.75	213.75			11460

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/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	3932	788	552	5272	942	656	2374	2368	-27	-60	9231	950	10181	1782	11963	49.43
2	3946	593	584	5123	941	646	2268	2363	-27	-54	9072	950	10022	1612	11634	49.51
3	3864	309	588	4761	939	648	2259	2504	-27	-54	8851	969	9820	1502	11322	49.50
4	3881	328	539	4748	935	677	2146	2578	-27	-53	8938	1085	10023	1482	11505	49.61
5	3919	198	576	4693	937	762	2146	2487	-27	-55	8877	1028	9905	1480	11385	49.48
6	3965	938	581	5484	939	670	2145	2273	-27	-53	9366	1228	10594	1533	12127	49.23
7	3992	794	560	5346	939	602	2153	2265	-27	-56	9123	2272	11395	1668	13063	49.39
8	4028	395	587	5010	938	564	2163	2380	-27	-55	8864	2552	11416	1787	13203	49.48
9	3974	187	562	4723	938	663	2160	2227	-22	-51	8527	3048	11575	1916	13491	49.32
10	3979	660	536	5175	938	728	2306	2450	-379	-407	8911	2697	11608	2215	13823	49.38
11	4004	1078	521	5603	935	720	2455	2395	-379	-407	9273	2455	11728	2468	14196	49.26
12	3970	1211	556	5737	932	748	2455	2272	-379	-406	9310	2361	11671	2521	14192	49.28
13	3947	1152	544	5643	922	642	2459	2368	-379	-409	9193	2443	11636	2505	14141	49.31
14	3952	733	570	5255	930	732	2464	2539	-379	-409	9074	2393	11467	2365	13832	49.40
15	3985	742	518	5245	927	708	2466	2421	-379	-413	8915	2548	11463	2384	13847	49.22
16	3988	738	484	5210	932	645	2474	2558	-379	-416	8956	2518	11474	2388	13862	49.41
17	4004	682	480	5166	930	666	2486	2433	-381	-420	8812	2862	11674	2338	14012	49.21
18	4127	586	491	5204	933	480	2421	2466	-306	-348	8788	2876	11664	2299	13963	49.35
19	4222	1309	496	6027	936	581	2295	2620	-224	-241	9976	2174	12150	2257	14407	49.48
20	4204	1770	479	6453	936	566	2315	2448	-220	-227	10229	2658	12887	2294	15181	49.22
21	4199	1958	482	6639	939	614	2327	2404	-220	-243	10406	2596	13002	2316	15318	49.25
22	4197	1729	482	6408	939	581	2281	2259	-126	-150	10090	2501	12591	2233	14824	49.21
23	4166	1534	485	6185	942	589	2224	2282	-148	-170	9851	1955	11806	2025	13831	49.30
24	4080	1233	423	5736	941	677	2254	2418	-87	-110	9676	1292	10968	1852	12820	49.29
MUs	96.52	21.64	12.68	130.85	22.46	15.56	55.50	57.78	-4.60	-5.27	222.31	50.41	272.72	49.22	321.94	49.36

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 01/Aug/2009

Position as on 6.30 Hrs of 02/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
Parli Unit 6	250	03/06/2009	06.35		Continued.	Annual Overhaul	05/08/2009
Tata Trombay 7B	60	04/07/2009	21.12		Continued.	GT.Bucholz Operated.	10/08/2009
Nasik Unit 1	125	05/07/2009	6:15		Continued.	Annual Overhaul.	09/08/2009
Chandrapur Unit 7	500	16/07/2009	04:53		Continued.	A/OH.	16/08/2009
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	10/08/2009
Koradi Unit 1	105	24/07/2009	01:20		Continued.	ANNUAL OVERHAUL	04/09/2009
Parli Unit 4	210	25/07/2009	00.58		Continued.	AOH.	20/08/2009
Koyna Unit 11	80	25/07/2009	15.30		Continued.	Stator Earth fault	25/09/2009
Cent_Sect NTPC(K-5)	500	31/07/2009	23.50		Continued.	Annual Overhaul	30/08/2009
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	
Nasik Unit 4	210	30/07/2009	17:15	02/08/2009	11.40	Boiler Tube Leakage.	02/08/2009
Koyna ST - IV 3	250	31/07/2009	19.24	01/08/2009	01.08	Spherical Valve Prob.	
Cent_Sect sipat-5	500	31/07/2009	19.56	02/08/2009	06.05	Boiler Tube Leakage	
Parli Unit 1	30	31/07/2009	23.08	01/08/2009	07.14	UAT Tripped.	
Cent_Sect TARAPUR-3	540	01/08/2009	02.28		Continued.	Low Vaccume	03/08/2009
Uran Unit 8	108	01/08/2009	09.58	01/08/2009	10.10	Tripped on boiler protn.	
Uran Unit 8	108	01/08/2009	16.06	02/08/2009	10.04	W/Dn.on gas restriction.	
Koyna ST-IV 1	250	02/08/2009	03.20	02/08/2009	12.50	Rewatering control valve problem.	
Chandrapur Unit 4	210	02/08/2009	07.37	02/08/2009	11.49	Generator protection mal-operation.	
Koradi Unit 6	210	02/08/2009	09.23		Continued.	Boiler tube leakage.	04/08/2009
Koyna ST-IV 2	250	02/08/2009	19.15	02/08/2009	20.38	Relay problem.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 01/Aug/2009

Position as on 6.30 Hrs of 02/Aug/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		
Kolhapur-Phonda Ckt. I	26/07/2009	09.10		Continued.	Outage.
Tillary-Phonda	26/07/2009	09.52		Continued.	Outage.
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-Sar'Sarovar II	23/07/2009	00:18		Continued.	H/T For O/V.
Kolhapur-Mapusa Ckt I	01/08/2009	00.33	01/08/2009	06.52	H/T For O/V.
Kolhapur-Mapusa-II	02/08/2009	01.01	02/08/2009	09.28	H/T for O/V.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Khandwa-II	19/06/2009	16:13		Continued.	3 Tower Collapsed.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV,315MVA ICT-II at BBLSR	01/08/2009	10.25	01/08/2009	14.10	B Ph.HV & LV bushing repl.
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.
Miraj-Vita	30/07/2009	09:45	01/08/2009	19.55	Repl. of dist. prot. Relay.
Pophali-KDPH	02/08/2009	10.00	02/08/2009	12.20	Wavetrap work.
Wardha - Yawatmal	02/08/2009	10.00	02/08/2009	17.52	Retrofitting work.
Voltage Level : 500KV			Outage Type FORCED OUTAGE		
HVDC Pole I Padgha	01/08/2009	15.12	01/08/2009	16.07	PCP card failure at Padgha end.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Raymond-Washala	01/08/2009	15.25	01/08/2009	17.20	Red Hot at Loc.220 Y Ph.
Voltage Level : 400KV			Outage Type TRIPPED		
Lonikand- Koyna Stage IV	02/08/2009	00.52	02/08/2009	06.59	Tripped on Dist.Protection.
Karad-New Koyna II	02/08/2009	01.07	02/08/2009	15.08	Tripped on Dist.Protection.
Parli-Lonikand - II	02/08/2009	03.59	02/08/2009	04.30	Tripped on Dist.Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Parli-Gangakhed	01/08/2009	05.50	01/08/2009	06.06	Dist.Prot.R Ph.to E
KHAMGAON-WARWAT BAKAL CKT	01/08/2009	18.45	01/08/2009	19.02	Tripped on Dist.Prot. R Ph.-zone-I.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 02/Aug/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	45
Unit 3	105	45
Unit 4	105	45
Unit 5	200	144
Unit 6	210	144
Unit 7	210	0
	1040	423
Bhusawal		
Unit 1	58	45
Unit 2	210	160
Unit 3	210	170
	478	375
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	150
Unit 4	210	0
Unit 5	210	170
Unit 6	250	0
	940	360
Chandrapur		
Unit 1	210	160
Unit 2	210	145
Unit 3	210	200
Unit 4	210	210
Unit 5	500	440
Unit 6	500	400
Unit 7	500	0
	2340	1555
Paras		
Unit 2	55	20
Unit 3	250	150
	305	170
Khaparkheda		
Unit 1	210	160
Unit 2	210	180
Unit 3	210	190
Unit 4	210	200
	840	730
Nasik		
Unit 1	120	0
Unit 2	120	50
Unit 3	210	200
Unit 4	210	0
Unit 5	210	155
	870	405
Uran		
All Units	852	400
	852	400
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	36
VTRNA	60	0
TILLARI	60	0
BHTGR/VEER	21	10
BHIRA T.R.	80	80
RNGR+BHTSA	20	18
BHANDARDRA	45	32
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	176
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	890
RGPL III	740	
	1700	890
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	100
Trombay 7B	60	0
Trombay 8	250	150
TATA Hydro	444	447
	2024	1697
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2076
	3143	2076

	17616	10847
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