



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

State Load Dispatch Center, Airoli

Daily system Report

for

13/Aug/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 13/Aug/2009 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	109.551	1365.738	1) Madhya Pradesh	40.936	555.528
2) Hydro	26.117	266.269	2) Gujrat	18.898	226.484
3) Gas	15.240	180.368	3) Goa	-5.406	-70.539
Total MSGENCO	150.908	1812.375	4) TAPS 1&2 (Inj.)	7.252	94.750
B) OTHERS			5) Pench (Excess)	-0.309	-6.716
1) RGPPL Gas	22.590	287.562	# Total Cent. Sector	61.371	799.507
2) Wind Generation	14.560	216.160	F) Other Exchanges		
3) PENCH (MS)	0.309	6.716	1) With TPCL	-2.715	-48.139
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	31.846	388.386	1) MSEDCL Bilateral	2.930	37.199
2) TPCL Hydro	4.839	58.704	Include PX	0.000	5.590
TOTAL TPCL	36.685	447.090	2) MUMBAI Bilateral	2.566	55.252
3) REL Thermal	12.637	150.479	Include PX	-1.870	7.134
D) STATE			3) MUMBAI Schedule	2.566	58.688
1) Thermal (A1+C1+C3)	154.034	1904.603	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	31.265	331.689	1) MSEDCL	247.023	3074.181
3) Gas (A3+B1)	37.830	467.930	2) TPCL	34.501	426.498
4) Wind (B2)	14.560	216.160	3) REL	17.535	219.156
TOTAL STATE	237.689	2920.382	TOTAL STATE	299.059	3719.835

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	4533	4775	4299
MSGENCO Hydro	1294	2003	663
MSGENCO Gas	632	635	633
MSGENCO Total Generation	6459	7413	5595
Central Sector Receipt	2982	2496	1961
RGPPL	939	940	946
WIND	610	464	646
Exchange with TPCL	-412	-201	217
MSEDCL DEMAND MET	10578	11139	9382
Load Shedding	2758	3549	1179
MSEDCL DEMAND (INCL. LS)	13336	14688	10561
TPCL GENERATION	1765	1707	1212
REL GENERATION	524	526	530
TPCL+REL DEMAND	2701	2434	1525
STATE DEMAND MET	13279	13573	10907
STATE DEMAND (INCL. LS)	16037	17122	12086
Frequency (Hz)	49.30	49.15	49.18
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			5193 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			85.22 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
49.71 Hz at 16.04 Hrs	48.71 Hz at 05.15 Hrs	49.19	19.24 % 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 13/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	1.67	21.41	75	60	70
Unit 3	1.41	18.41	64	55	60
Unit 4	1.89	24.25	87	70	80
Unit 5	3.80	51.58	165	150	170
Unit 6	3.91	40.06	172	154	170
Unit 7	0.00	0.00	0	0	0
	12.68	155.70			550
Bhusawal					
Unit 1	1.19	15.18	56	41	50
Unit 2	3.44	40.88	169	126	160
Unit 3	4.44	56.08	201	170	180
	9.06	112.14			390
Parli					
Unit 1	0.52	6.96	23	20	20
Unit 2	0.55	7.31	24	22	20
Unit 3	4.48	55.19	192	183	190
Unit 4	0.00	0.00	0	0	0
Unit 5	4.27	54.29	183	172	170
Unit 6	5.31	42.93	237	197	225
	15.12	166.69			625
Chandrapur					
Unit 1	3.61	47.61	160	135	155
Unit 2	3.11	44.04	136	114	135
Unit 3	4.42	60.47	201	127	200
Unit 4	4.34	59.67	203	111	150
Unit 5	9.89	127.97	456	324	400
Unit 6	10.02	128.12	445	405	425
Unit 7	0.00	0.00	0	0	0
	35.39	467.89			1465
Paras					
Unit 2	0.65	5.86	29	18	35
Unit 3	4.75	41.95	225	182	190
	5.40	47.81			225
Khaparkheda					
Unit 1	1.88	51.35	202	0	0
Unit 2	4.39	58.15	197	165	185
Unit 3	4.76	62.97	211	180	210
Unit 4	5.00	56.48	214	202	210
	16.04	228.95			605
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	1.88	21.10	92	57	90
Unit 3	4.86	59.80	209	190	200
Unit 4	4.65	50.94	200	185	190
Unit 5	4.46	54.73	197	172	185
	15.85	186.56			665
Uran					
All Units	15.24	180.37	647	625	630
	15.24	180.37			630
Koyna					
Stage 1-2	4.51	47.80	420	45	600
Stage 4	14.68	147.50	1122	0	250
Koyna 12&4 Total	19.19	195.30			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	5.00	44.24	240	80	240
	24.20	239.54			1090
Hydro					
KDPH	0.00	0.43	0	0	0
VTRNA	0.00	0.19	0	0	0
TILLARI	0.46	8.88	60	0	60
BHTGR/VEER	0.22	3.84	9	9	9
BHIRA T.R.	0.50	4.51	42	0	80
RNGR+BHTSA	0.24	3.62	17	3	3
BHANDARDRA	0.00	2.37	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	0.00	0	0	0
GHATGHAR	0.50	2.89	125	0	0
	1.92	26.73			152
PENCH (MS)					
Pench (MS)	0.31	6.72	53	0	
	0.31	6.72			
Wind					
MalharPeth	0.45	9.82			
Vankuswadi	1.14	21.79			
ATIT	0.21	5.56			
Kale	0.07	7.39			
Satara	1.70	15.05			
Shirala	0.28	6.90			
K Mahankal	0.04	7.42			
Supa	0.20	3.68			
Vita	1.58	34.09			
Dondaicha	5.72	62.76			
Sakri	1.06	12.62			
Nandurbar	0.68	7.03			
Khadakale	0.73	14.29			
Khaparale	0.70	7.78			
	14.56	216.16			
Dabhol					
RGPP L II	22.59	287.56	948	933	882
RGPP L III	0.00	0.00	0	0	0
	22.59	287.56			882
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.12	156.80	505	500	500
Trombay 6	11.56	139.31	510	350	500
Trombay 7A	2.93	30.53	123	121	120
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	5.24	61.75	236	202	200
TATA Hydro	4.84	58.70	406	2	447
	36.68	447.09			1767
REL					
1&2	12.64	150.48	530	524	500
	12.64	150.48			500
Cent Sect					
Share					2438
					2438

MS PG CL	Thermal	109.55	1365.74		4525
	Thml+Gas	124.79	1546.11		5155
	Hydro	26.12	266.27		1242
	Total	150.91	1812.38		6397
State Total		237.69	2920.38		11984

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 13/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	4256	972	632	5860	942	565	2224	2138	57	60	9592	1468	11060	1819	12879	49.00
2	4193	880	630	5703	941	713	2090	2019	192	196	9598	1283	10881	1624	12505	48.96
3	4244	746	635	5625	946	714	2057	2083	215	214	9609	1159	10768	1567	12335	49.19
4	4299	663	633	5595	946	646	2057	1961	215	217	9382	1179	10561	1525	12086	49.18
5	4332	852	625	5809	945	699	2058	1874	215	214	9541	1244	10785	1506	12291	48.94
6	4468	1275	637	6380	948	557	2072	2138	202	199	10222	1497	11719	1591	13310	48.99
7	4545	592	638	5775	944	497	2159	1978	183	186	9380	2758	12138	1630	13768	48.90
8	4600	329	647	5576	945	489	2483	2487	48	49	9546	3088	12634	1789	14423	49.08
9	4605	436	646	5687	945	596	2539	2662	-1	-2	9888	3345	13233	2052	15285	49.19
10	4570	838	633	6041	943	681	2846	3052	-318	-318	10399	2985	13384	2442	15826	49.24
11	4562	1107	633	6302	940	648	2901	2955	-362	-369	10476	2900	13376	2654	16030	49.31
12	4533	1294	632	6459	939	610	2895	2982	-362	-412	10578	2758	13336	2701	16037	49.30
13	4539	1245	634	6418	933	665	2888	2922	-362	-404	10534	2741	13275	2663	15938	49.33
14	4559	990	634	6183	934	714	2890	3019	-362	-363	10487	2813	13300	2574	15874	49.32
15	4549	861	637	6047	933	737	2890	2950	-362	-362	10305	3035	13340	2599	15939	49.32
16	4609	613	639	5861	937	572	2888	3080	-362	-360	10090	3084	13174	2605	15779	49.45
17	4688	563	641	5892	938	718	2888	3169	-362	-362	10355	3205	13560	2577	16137	49.47
18	4722	821	638	6181	940	686	2756	2980	-286	-287	10500	3155	13655	2511	16166	49.36
19	4782	1644	636	7062	942	549	2449	2523	-188	-215	10874	2896	13770	2414	16184	49.23
20	4775	2003	635	7413	940	464	2441	2496	-146	-201	11139	3549	14688	2434	17122	49.15
21	4801	1996	633	7430	943	509	2443	2484	-146	-167	11252	3269	14521	2384	16905	49.24
22	4794	1862	626	7282	940	462	2401	2391	-102	-89	11039	3134	14173	2222	16395	49.06
23	4801	1890	633	7324	943	469	2407	2488	-119	-103	11161	2207	13368	2127	15495	49.21
24	4725	1645	633	7003	943	600	2398	2540	-52	-36	11076	1597	12673	2027	14700	49.21
MUs	109.55	26.12	15.24	150.91	22.59	14.56	60.12	61.37	-2.57	-2.72	247.02	60.35	307.37	52.04	359.41	49.19

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 13/Aug/2009

Position as on 6.30 Hrs of 14/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
Cent_Sect NTPC(V-7)	500	18/07/2009	23.27		Continued.	Annual Overhaul.	20/08/2009
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.	25/08/2009
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	13/08/2009	11.57	Boiler Tube Leaakge	
Koradi Unit 4	115	14/08/2009	08.04	14/08/2009	20.01	Over-Speed Protection.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/Aug/2009

Position as on 6.30 Hrs of 14/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.
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	11/08/2009	19.15	13/08/2009	14.02	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 : 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		
M.Bus I at 400 KV Jejuri	13/08/2009	10.49	13/08/2009	17.49	Tan measurment Of CVT.
Chandrapur - Bhadravati-IV	13/08/2009	14.09	13/08/2009	20.52	Replacement of CVT.
400/220 KV,600 MVA ICT-II at Kalwa	14/08/2009	09.12	14/08/2009	22.15	SFRA, Testing Work.
400/220KV,105MVA Spare ICT-II @ Karad.	14/08/2009	11.18	14/08/2009	14.40	L.A.Lightining,Counter Replacement.
400/220 KV 315 MVA ICT at Khadka	14/08/2009	11.48	14/08/2009	16.31	On TBC
Lonikand- Koyna Stage IV	14/08/2009	20.55	14/08/2009	22.10	On TBC To attend Hot Spot.On C.B.Clamp
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
Kalwa-Nasik III	13/08/2009	08.32	14/08/2009	18.21	Shifting Of line.
Kalwa-Ghatghar	13/08/2009	08.38	13/08/2009	22.41	Shifting of line.
CHINCHWAD-PARVATI	13/08/2009	09.22	13/08/2009	15.48	Retrofitting work.
220/33 KV 25 MVA T/F At Kurkumb	13/08/2009	09.30	13/08/2009	15.40	Q.M. work.
Kurkumb-Bhigwan	13/08/2009	09.50	13/08/2009	12.15	Line maint. work.
220 KV Bus at pirangoot.	13/08/2009	10.15	13/08/2009	12.50	R.M. Work.
220/100 KV,100 MVA T/F.I at Taloja.	13/08/2009	10.46	13/08/2009	15.02	LV CT hot spot attended.
220/132,100 MVA ICT-2 @ Malegaon.	14/08/2009	08.22	14/08/2009	11.12	Q.M.Work.
Kalwa-C'chem	14/08/2009	08.38	14/08/2009	20.13	Construction Work.
Borivali-Boisar	14/08/2009	09.23	14/08/2009	15.10	Testing Work.
Yavatmal-Pusad	14/08/2009	11.56	14/08/2009	14.35	Relay Retrogitting Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/Aug/2009

Position as on 6.30 Hrs of 14/Aug/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Kanhan - Mankapur.	12/08/2009	10.11	13/08/2009	00:40	Repl. of 132KV CT
Ambazari-Khaperkheda ckt.I	14/08/2009	15.37	14/08/2009	16.54	To attend Y-Ph Jumper Nut Bolt.
Ambazari-Khaperkheda ckt.II	14/08/2009	15.37	14/08/2009	16.54	To attend T-Ph Numper Nut Bolt.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Bhusawal-Chalisingaon-II	14/08/2009	11.08	14/08/2009	13.29	To attend Hot Spot.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Kalwa-Padgha I	12/08/2009	23.40	13/08/2009	13.17	H/T to attend Red hot Y phase Isolator Bus
Voltage Level : 400KV			Outage Type TRIPPED		
Koyna IV - Jejuri	13/08/2009	01.38	14/08/2009	05:08	Distance Prot. Z-1,Y-E
Padgha - Nagothane - I	13/08/2009	12.41	13/08/2009	18.19	Main I, II optd R ph 22.89 km Loc no. 49, Rph decapping.
400/220 KV,600 MVA ICT-I @ Kalwa	14/08/2009	11.11	14/08/2009	11.35	B-Ph Oil Temp.Indication
Voltage Level : 220KV			Outage Type TRIPPED		
Nagothane-IPCL	14/08/2009	11.20	14/08/2009	18.31	Conductor Snap.
Voltage Level : 132KV			Outage Type TRIPPED		
Bhandara - Madgi -I	13/08/2009	00.55	13/08/2009	01.10	Distance Prot. B-E
Paras-Malegaon	14/08/2009	00:19	14/08/2009	00:45	Distance protection zone I.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 14/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	160
Unit 6	210	170
Unit 7	210	0
	1040	540
Bhusawal		
Unit 1	58	50
Unit 2	210	160
Unit 3	210	185
	478	395
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	190
Unit 4	210	0
Unit 5	210	170
Unit 6	250	225
	940	625
Chandrapur		
Unit 1	210	0
Unit 2	210	140
Unit 3	210	210
Unit 4	210	200
Unit 5	500	450
Unit 6	500	425
Unit 7	500	0
	2340	1425
Paras		
Unit 2	55	35
Unit 3	250	190
	305	225
Khaparkheda		
Unit 1	210	200
Unit 2	210	200
Unit 3	210	210
Unit 4	210	210
	840	820
Nasik		
Unit 1	120	0
Unit 2	120	70
Unit 3	210	200
Unit 4	210	180
Unit 5	210	180
	870	630
Uran		
All Units	852	620
	852	620
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	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	10
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	165
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	885
RGPPPL III	740	
	1700	885
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	0
Trombay 8	250	250
TATA Hydro	444	447
	2024	1817
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2500
	3143	2500