



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Aug/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Aug/2009 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	109.612	1475.350	1) Madhya Pradesh	43.245	598.773
2) Hydro	20.412	286.681	2) Gujrat	18.552	245.036
3) Gas	15.492	195.860	3) Goa	-5.968	-76.507
Total MSGENCO	145.516	1957.891	4) TAPS 1&2 (Inj.)	7.285	102.035
B) OTHERS			5) Pench (Excess)	-0.397	-7.113
1) RGPPL Gas	22.623	310.185	# Total Cent. Sector	62.717	862.224
2) Wind Generation	13.891	230.051	F) Other Exchanges		
3) PENCH (MS)	0.397	7.113	1) With TPCL	-1.778	-49.917
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	30.733	419.119	1) MSEDCL Bilateral	3.449	40.648
2) TPCL Hydro	3.884	62.588	Include PX	0.264	5.854
TOTAL TPCL	34.617	481.707	2) MUMBAI Bilateral	1.594	56.846
3) REL Thermal	12.632	163.111	Include PX	-0.842	6.292
D) STATE			3) MUMBAI Schedule	1.594	60.282
1) Thermal (A1+C1+C3)	152.977	2057.580	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	24.693	356.382	1) MSEDCL	243.366	3317.547
3) Gas (A3+B1)	38.115	506.045	2) TPCL	32.298	458.796
4) Wind (B2)	13.891	230.051	3) REL	16.727	235.883
TOTAL STATE	229.676	3150.058	TOTAL STATE	292.391	4012.226

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4447	4549	4547
MSGENCO Hydro	1071	1615	840
MSGENCO Gas	652	629	650
MSGENCO Total Generation	6170	6793	6037
Central Sector Receipt	2769	2390	2422
RGPPL	943	935	947
WIND	592	498	602
Exchange with TPCL	-209	-108	116
MSEDCL DEMAND MET	10265	10559	10124
Load Shedding	2974	3598	1303
MSEDCL DEMAND (INCL. LS)	13239	14157	11427
TPCL GENERATION	1738	1620	1075
REL GENERATION	526	525	527
TPCL+REL DEMAND	2473	2253	1486
STATE DEMAND MET	12738	12812	11610
STATE DEMAND (INCL. LS)	15712	16410	12913
Frequency (Hz)	49.47	48.93	49.32
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4301 MW At 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			77.01 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.13 Hz at 16.04 Hrs	48.65 Hz at 20.13 Hrs	49.37	10.51 % 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 14/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	23.12	76	68	70
Unit 3	1.46	19.88	64	57	60
Unit 4	0.88	25.13	80	0	80
Unit 5	3.99	55.57	170	145	160
Unit 6	4.05	44.11	182	152	170
Unit 7	0.00	0.00	0	0	0
	12.10	167.80			540
Bhusawal					
Unit 1	1.04	16.22	54	32	50
Unit 2	3.74	44.62	168	150	160
Unit 3	4.49	60.57	193	176	185
	9.27	121.41			395
Parli					
Unit 1	0.53	7.50	23	21	20
Unit 2	0.56	7.87	24	22	20
Unit 3	4.43	59.63	192	175	190
Unit 4	0.00	0.00	0	0	0
Unit 5	4.28	58.57	179	178	170
Unit 6	5.28	48.20	238	174	225
	15.08	181.77			625
Chandrapur					
Unit 1	0.09	47.70	88	0	0
Unit 2	3.27	47.31	140	128	140
Unit 3	4.63	65.10	202	175	210
Unit 4	4.74	64.41	207	154	200
Unit 5	10.76	138.74	485	409	450
Unit 6	9.48	137.60	420	370	425
Unit 7	0.00	0.00	0	0	0
	32.97	500.86			1425
Paras					
Unit 2	0.67	6.53	30	22	35
Unit 3	4.77	46.71	217	175	190
	5.44	53.24			225
Khaparkheda					
Unit 1	4.55	55.90	204	175	200
Unit 2	4.56	62.71	197	180	200
Unit 3	4.96	67.92	212	194	210
Unit 4	5.00	61.49	213	204	210
	19.07	248.02			820
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	1.83	22.93	88	58	70
Unit 3	4.75	64.55	206	175	200
Unit 4	4.61	55.55	203	171	180
Unit 5	4.50	59.22	194	181	180
	15.69	202.25			630
Uran					
All Units	15.49	195.86	662	629	620
	15.49	195.86			620
Koyna					
Stage 1-2	2.84	50.64	295	40	600
Stage 4	12.08	159.58	959	0	250
Koyna 12&4 Total	14.93	210.23			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	3.71	47.94	240	0	240
	18.63	258.17			1090
Hydro					
KDPH	0.00	0.43	0	0	0
VTRNA	0.00	0.19	0	0	0
TILLARI	0.49	9.37	60	0	60
BHTGR/VEER	0.30	4.14	13	12	10
BHIRA T.R.	0.38	4.88	80	0	80
RNGR+BHTSA	0.29	3.91	16	3	15
BHANDARDRA	0.05	2.42	30	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	0.00	0	0	0
GHATGHAR	0.28	3.17	125	0	0
	1.78	28.51			165
PENCH (MS)					
Pench (MS)	0.40	7.11	54	0	
	0.40	7.11			
Wind					
MalharPeth	0.42	10.24			
Vankuswadi	1.01	22.80			
ATIT	0.16	5.72			
Kale	0.05	7.44			
Satara	0.34	15.38			
Shirala	0.30	7.20			
K Mahankal	1.21	8.64			
Supa	0.14	3.81			
Vita	1.53	35.62			
Dondaicha	5.94	68.70			
Sakri	1.03	13.65			
Nandurbar	0.70	7.72			
Khadakale	0.54	14.83			
Khaparale	0.52	8.29			
	13.89	230.05			
Dabhol					
RGPP L II	22.62	310.18	948	935	885
RGPP L III	0.00	0.00	0	0	
	22.62	310.18			885
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.12	168.92	505	505	500
Trombay 6	10.65	149.96	510	225	500
Trombay 7A	2.73	33.26	123	100	120
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	5.23	66.98	225	215	250
TATA Hydro	3.88	62.59	395	2	447
	34.62	481.71			1817
REL					
1&2	12.63	163.11	529	523	500
	12.63	163.11			500
Cent Sect					
Share					2500
					2500

MS PG CL	Thermal	109.61	1475.35		4660
	Thml+Gas	125.10	1671.21		5280
	Hydro	20.41	286.68		1255
	Total	145.52	1957.89		6535
State Total		229.68	3150.06		12237

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/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	4676	1148	635	6459	943	624	2372	2373	9	9	10408	1166	11574	1873	13447	49.05
2	4614	1056	643	6313	945	602	2223	2326	167	163	10349	1166	11515	1689	13204	49.24
3	4614	914	649	6177	946	660	2233	2375	157	159	10317	1189	11506	1602	13108	49.34
4	4582	753	658	5993	945	673	2258	2389	131	129	10129	1277	11406	1522	12928	49.60
5	4547	840	650	6037	947	602	2272	2422	117	116	10124	1303	11427	1486	12913	49.32
6	4652	1219	650	6521	948	554	2317	2420	59	59	10502	1551	12053	1589	13642	49.23
7	4676	558	648	5882	945	359	2459	2394	-19	-18	9562	3018	12580	1618	14198	49.15
8	4695	360	631	5686	947	337	2551	2625	68	68	9663	3306	12969	1723	14692	49.35
9	4618	231	662	5511	946	533	2616	2838	-37	-38	9790	3462	13252	1984	15236	49.58
10	4560	462	661	5683	944	612	2669	3083	-209	-203	10119	3258	13377	2279	15656	49.53
11	4509	862	657	6028	942	566	2650	2866	-209	-207	10195	3062	13257	2394	15651	49.47
12	4447	1071	652	6170	943	592	2660	2769	-209	-209	10265	2974	13239	2473	15712	49.47
13	4434	718	642	5794	939	599	2694	2766	-209	-212	9913	2944	12857	2467	15324	49.44
14	4440	503	641	5584	939	601	2696	2954	-209	-215	9890	2933	12823	2371	15194	49.49
15	4439	420	642	5501	939	756	2694	2679	-209	-213	9689	3101	12790	2378	15168	49.51
16	4460	281	645	5386	941	714	2679	2564	-183	-216	9409	3033	12442	2358	14800	49.64
17	4519	165	652	5336	942	715	2729	2913	-183	-217	9695	3166	12861	2299	15160	49.74
18	4575	282	646	5503	939	724	2610	2752	-145	-182	9736	3121	12857	2222	15079	49.57
19	4535	1110	637	6282	940	635	2484	2606	-82	-109	10380	2909	13289	2128	15417	49.25
20	4549	1615	629	6793	935	498	2502	2390	-82	-108	10559	3598	14157	2253	16410	48.93
21	4554	1627	631	6812	936	487	2504	2422	-82	-85	10625	3323	13948	2221	16169	48.98
22	4591	1460	644	6695	944	416	2505	2549	-82	-87	10570	3172	13742	2140	15882	49.31
23	4618	1466	644	6728	945	444	2514	2722	-104	-106	10786	2199	12985	2024	15009	49.31
24	4657	1291	640	6588	943	588	2517	2561	-50	-56	10678	1656	12334	1934	14268	49.26
MUs	109.56	20.41	15.49	145.46	22.62	13.89	60.41	62.76	-1.59	-1.78	243.35	61.89	305.24	49.03	354.27	49.37

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 14/Aug/2009

Position as on 6.30 Hrs of 15/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	
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 14/Aug/2009

Position as on 6.30 Hrs of 15/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-SAR'SAROVAR-I	14/08/2009	16.23	15/08/2009	15.10	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		
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.Lightning,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.
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.
Padgha-Wada	14/08/2009	09.14	15/08/2009	03.05	Breaker Maintaince.
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.
Chinchwad-Urse	15/08/2009	09.02	15/08/2009	19.04	Insulator Replacement Work.
PUSAD-BHUGAON	15/08/2009	10.40	15/08/2009	17.44	Retrofitting work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
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 : 400KV			Outage Type TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Aug/2009

Position as on 6.30 Hrs of 15/Aug/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Koyna IV - Jejuri	13/08/2009	01.38	14/08/2009	05:08	Distance Prot. Z-1,Y-E
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		
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 15/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	85
Unit 5	200	170
Unit 6	210	170
Unit 7	210	0
	1040	555
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	220
	940	620
Chandrapur		
Unit 1	210	0
Unit 2	210	140
Unit 3	210	205
Unit 4	210	200
Unit 5	500	450
Unit 6	500	425
Unit 7	500	0
	2340	1420
Paras		
Unit 2	55	45
Unit 3	250	200
	305	245
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	85
Unit 3	210	182
Unit 4	210	192
Unit 5	210	180
	870	639
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		
RGPL II	960	885
RGPL 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	2550
	3143	2550