



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Aug/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 28/Aug/2009 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	94.280	2901.705	1) Madhya Pradesh	36.596	1218.968
2) Hydro	3.732	447.363	2) Gujrat	31.174	577.544
3) Gas	15.727	410.382	3) Goa	-4.994	-152.816
Total MSGENCO	113.739	3759.450	4) TAPS 1&2 (Inj.)	7.373	201.790
B) OTHERS			5) Pench (Excess)	-0.088	-17.074
1) RGPPL Gas	22.488	626.888	# Total Cent. Sector	70.061	1828.412
2) Wind Generation	15.606	358.530	F) Other Exchanges		
3) PENCH (MS)	0.088	18.048	1) With TPCL	-4.174	-88.635
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	30.872	843.127	1) MSEDCL Bilateral	4.762	112.393
2) TPCL Hydro	4.470	113.418	Include PX	-0.050	8.610
TOTAL TPCL	35.342	956.545	2) MUMBAI Bilateral	5.258	112.803
3) REL Thermal	12.668	340.045	Include PX	0.340	11.398
D) STATE			3) MUMBAI Schedule	5.258	116.239
1) Thermal (A1+C1+C3)	137.820	4084.877	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	8.290	578.829	1) MSEDCL	217.808	6502.693
3) Gas (A3+B1)	38.215	1037.270	2) TPCL	34.701	914.683
4) Wind (B2)	15.606	358.530	3) REL	17.482	470.757
TOTAL STATE	199.931	6059.506	TOTAL STATE	269.991	7888.133

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	3865	4115	3866
MSGENCO Hydro	180	513	51
MSGENCO Gas	580	655	673
MSGENCO Total Generation	4625	5283	4590
Central Sector Receipt	3183	3331	2539
RGPPL	937	937	937
WIND	823	607	563
Exchange with TPCL	-444	-317	73
MSEDCL DEMAND MET	9136	9853	8702
Load Shedding	919	2032	0
MSEDCL DEMAND (INCL. LS)	10055	11885	8702
TPCL GENERATION	1667	1690	1075
REL GENERATION	529	527	528
TPCL+REL DEMAND	2640	2534	1530
STATE DEMAND MET	11776	12387	10232
STATE DEMAND (INCL. LS)	12695	14419	10232
Frequency (Hz)	49.71	49.49	49.79
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2458 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			18.46 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.43 Hz at 08.04 Hrs	49.05 Hz at 19.11 Hrs	49.74	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 28/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	1.38	38.71	63	48	60
Unit 3	0.00	32.84	0	0	0
Unit 4	1.12	39.90	66	0	70
Unit 5	2.82	81.85	147	98	100
Unit 6	1.36	79.83	157	0	0
Unit 7	1.36	33.38	135	0	120
	8.03	306.51			350
Bhusawal					
Unit 1	1.08	31.10	56	31	50
Unit 2	3.52	85.74	158	134	150
Unit 3	4.15	120.65	192	6	180
	8.75	237.48			380
Parli					
Unit 1	0.60	14.85	26	20	20
Unit 2	0.58	15.45	25	23	20
Unit 3	3.02	114.53	158	95	100
Unit 4	0.00	0.00	0	0	0
Unit 5	3.78	113.04	169	149	150
Unit 6	4.79	115.49	224	151	220
	12.77	373.36			510
Chandrapur					
Unit 1	3.32	92.06	153	125	140
Unit 2	2.76	86.18	122	105	105
Unit 3	2.84	112.56	150	86	140
Unit 4	4.44	124.39	196	156	190
Unit 5	4.90	244.44	273	170	250
Unit 6	5.18	240.30	280	165	250
Unit 7	5.08	41.73	264	150	250
	28.51	941.67			1325
Paras					
Unit 2	1.07	19.96	46	42	40
Unit 3	4.53	108.65	205	168	180
	5.60	128.62			220
Khaparkheda					
Unit 1	4.46	121.96	206	160	200
Unit 2	4.47	125.39	199	156	190
Unit 3	4.92	138.30	214	191	210
Unit 4	4.22	129.79	213	151	170
	18.07	515.44			770
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	1.27	42.32	84	36	60
Unit 3	4.36	128.87	200	148	200
Unit 4	4.45	119.66	199	155	180
Unit 5	2.46	107.80	177	0	0
	12.55	398.64			440
Uran					
All Units	15.73	410.38	673	580	620
	15.73	410.38			620
Koyna					
Stage 1-2	1.43	84.79	165	35	600
Stage 4	0.15	233.92	148	0	250
Koyna 12&4 Total	1.58	318.71			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.85	75.96	238	0	240
	2.42	394.67			1090
Hydro					
KDPH	0.00	0.43	0	0	0
VTRNA	0.00	0.66	0	0	60
TILLARI	0.47	16.32	60	0	60
BHTGR/VEER	0.10	8.20	5	4	16
BHIRA T.R.	0.44	9.94	80	0	40
RNGR+BHTSA	0.23	7.22	16	2	17
BHANDARDRA	0.00	2.72	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.25	10	0	0
GHATGHAR	0.00	6.96	0	0	0
	1.31	52.70			193
PENCH (MS)					
Pench (MS)	0.09	18.05	27	0	
	0.09	18.05			
Wind					
MalharPeth	0.61	15.33			
Vankuswadi	1.47	33.78			
ATIT	0.26	8.02			
Kale	0.10	8.87			
Satara	0.60	24.80			
Shirala	0.31	10.35			
K Mahankal	1.18	11.54			
Supa	0.18	5.17			
Vita	2.04	53.40			
Dondaicha	5.52	116.96			
Sakri	0.97	21.96			
Nandurbar	0.63	14.07			
Khadakale	1.00	20.85			
Khaparale	0.74	13.43			
	15.61	358.53			
Dabhol					
RGPP L II	22.49	626.89	937	937	900
RGPP L III	0.00	0.00	0	0	
	22.49	626.89			900
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.12	338.34	505	505	500
Trombay 6	11.05	297.83	510	240	500
Trombay 7A	2.58	66.29	110	104	120
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	5.12	140.68	227	184	200
TATA Hydro	4.47	113.42	348	0	447
	35.34	956.54			1767
REL					
1&2	12.67	340.04	529	525	500
	12.67	340.04			500
Cent Sect					
Share					3238
					3238

MS PG CL	Thermal	94.28	2901.70		3995
	Thml+Gas	110.01	3312.09		4615
	Hydro	3.73	447.36		1283
	Total	113.74	3759.45		5898
State Total		199.93	6059.51		12303

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/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	3804	56	665	4525	937	567	2916	2657	13	65	8751	376	9127	1807	10934	49.65
2	3846	46	665	4557	937	538	2813	2574	13	73	8679	215	8894	1691	10585	49.81
3	3897	46	670	4613	937	531	2803	2490	13	71	8642	29	8671	1594	10265	49.98
4	3866	51	673	4590	937	563	2718	2539	13	73	8702	0	8702	1530	10232	49.79
5	3894	51	670	4615	937	511	2687	2787	13	68	8918	0	8918	1534	10452	49.73
6	3906	71	660	4637	937	520	2800	3086	0	48	9228	278	9506	1646	11152	49.68
7	3951	47	660	4658	937	572	2774	2522	0	43	8732	1404	10136	1717	11853	49.69
8	3924	56	670	4650	937	582	2842	2542	0	47	8758	1434	10192	1814	12006	49.94
9	3972	151	665	4788	937	595	2890	2614	4	50	8984	969	9953	2044	11997	49.89
10	3858	176	655	4689	937	755	3307	3110	-399	-361	9130	917	10047	2396	12443	49.80
11	3780	246	660	4686	937	677	3335	3122	-429	-393	9056	917	9973	2610	12583	49.79
12	3865	180	580	4625	937	823	3378	3183	-473	-444	9136	919	10055	2640	12695	49.71
13	3831	101	650	4582	937	711	3362	3031	-455	-429	8843	667	9510	2608	12118	49.85
14	3898	62	650	4610	937	816	3339	2907	-429	-395	8883	349	9232	2516	11748	49.99
15	3803	69	635	4507	937	775	3086	2987	-446	-417	8789	558	9347	2535	11882	49.60
16	3874	79	655	4608	937	733	2961	2935	-442	-413	8800	558	9358	2557	11915	49.74
17	3989	73	655	4717	937	823	3155	2988	-442	-415	9050	588	9638	2566	12204	49.92
18	4004	154	655	4813	937	818	2960	2941	-358	-323	9186	571	9757	2507	12264	49.76
19	4012	213	660	4885	937	737	3066	3067	-285	-244	9382	1413	10795	2442	13237	49.80
20	4115	513	655	5283	937	607	3118	3331	-358	-317	9853	2032	11885	2534	14419	49.49
21	4055	512	655	5222	937	613	3053	3327	-292	-230	9879	1893	11772	2426	14198	49.57
22	4119	386	650	5155	937	448	2936	3119	-173	-112	9555	1920	11475	2288	13763	49.42
23	4114	327	655	5096	937	592	2944	3243	-191	-126	9742	1210	10952	2142	13094	49.56
24	3943	66	655	4664	937	701	3012	3021	-157	-93	9230	753	9983	2040	12023	49.63
MUs	94.32	3.73	15.72	113.78	22.49	15.61	72.26	70.12	-5.26	-4.17	217.91	19.97	237.88	52.18	290.06	49.74

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 28/Aug/2009

Position as on 6.30 Hrs of 29/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
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.	31/08/2009
Koyna Unit 11	80	25/07/2009	15.30		Continued.	To attend Stator Earth Fault	25/09/2009
Cent_Sect NTPC(V-3)	210	25/08/2009	00.25		Continued.	A/OH	26/09/2009
Cent_Sect NTPC(K-1)	210	27/08/2009	23.55		Continued.	AOH	28/09/2009
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 5	210	25/08/2009	21.45	28/08/2009	07.20	Boiler Tube Leakage	
Koradi Unit 3	105	26/08/2009	01.13		Continued.	Generator Rotor E/F	06/09/2009
Koradi Unit 6	210	26/08/2009	23.37	28/08/2009	11.59	Condensor Tube Leakage	
Koradi Unit 4	115	28/08/2009	13.43	28/08/2009	18.20	Turbine Speed High.	
Cent_Sect NTPC(K-6)	500	28/08/2009	13.55	29/08/2009	14.22	Boiler tube leakage.	
Bhusawal Unit 3	210	28/08/2009	23.05		Continued.	ID fan problem bonet value leakage.	01/09/2009
Chandrapur Unit 5	500	29/08/2009	15.27	29/08/2009	19.14	Drum Level high.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 28/Aug/2009

Position as on 6.30 Hrs of 29/Aug/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule-Khandwa I	22/08/2009	07.46	29/08/2009	19.42	Stringing Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	01/07/2009	09.12		Continued.	H/T FOR O/V
Kolhapur-Mapusa Ckt I	27/08/2009	23.56	28/08/2009	09.25	H/T for O/V.
Akola - Wardha - I	28/08/2009	00.06		Continued.	H/T for O/V.
Seoni - Wardha	28/08/2009	00.07		Continued.	H/T for O/V.
Kolhapur-Mapusa-II	28/08/2009	22.45	29/08/2009	15.52	H/T For O/V.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Khandwa-II	19/06/2009	16:13	29/08/2009	20.45	3 Tower Collapsed.
Voltage Level : 220KV			Outage Type TRIPPED		
Mudshingi-Ponda	29/08/2009	05.52	29/08/2009	06.36	Directional earth fault.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE I -CHDPR	27/08/2009	22.11	28/08/2009	02.32	Replacement of Electrode.
HVDC POLE II - CHDPR	27/08/2009	22.11	28/08/2009	02.32	Replacement of Electrode.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Bhusawal- Aurangabad	28/08/2009	09.53	28/08/2009	15.53	Isolator Maintainance
Dhabhol-N'Thane I	28/08/2009	11.31	28/08/2009	16.15	Insulator replacement.
CHDPR-HVDC CKT-I	29/08/2009	09.07	29/08/2009	12.51	Taken on TBC For Testing Work.
Karad-Lonikhand	29/08/2009	09.37	29/08/2009	14.51	Insulator Replacement.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Karad - Ogalewadi - II	17/08/2009	07.20		Continued.	C.B.Replacement.BREAKER ON TBC AT OGLEWADI.
Kandalgaon-Lonand	26/08/2009	16.04		Continued.	Line on TBC at Lonand end(CB Prob)
220/132 kv,100 MVA ICT-I at Chalisgaon	26/08/2009	20.19	29/08/2009	18.15	T/F H.V.Side on TBC for main Breaker repl.work.
Nasik TBC	28/08/2009	08.45		Continued.	Breaker replacement.
Padgha-Temghar	28/08/2009	09.23	28/08/2009	10.59	Bay Maintenance.
220/100 KV,50 MVA T/F Kandalgaon	28/08/2009	09.45	28/08/2009	16.25	Testing work.
Karad - Vita - I	28/08/2009	10.30	28/08/2009	15.30	Insulator replacement.
Padgha-Wada	28/08/2009	11.55	28/08/2009	14.46	Testing work.
Apta-Tambati	28/08/2009	12.40	28/08/2009	20.20	Testing work.
Pedambe - Karad	28/08/2009	12.42	28/08/2009	16.34	To attend hot spot.
Wada-Kolshet	28/08/2009	15.20	28/08/2009	17.40	Tan S measurement.
220/132 KV 150MVA ICT at Bhandara	28/08/2009	16.14	28/08/2009	21.45	PRV Relay problem.
BBLSWR-ANAGAR CKT I	29/08/2009	09.07	29/08/2009	15.52	Q.M.Work.
220 KV Main Bus-I at Raymaond	29/08/2009	10.20	29/08/2009	18.01	Construction work for new ICT.
Karad-Vita-II	29/08/2009	11.13	29/08/2009	18.00	Isolator Replacement.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Malegaon-Manmad	21/08/2009	13:32		Continued.	ICT -II Problem at 220 Kv Malegaon.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Aug/2009

Position as on 6.30 Hrs of 29/Aug/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Malegaon- Malegaon-I	27/08/2009	15:55		Continued.	ICT -II on outage at 220Kv Malegaon.
Hingna-Mankapur-I	28/08/2009	10.12	28/08/2009	20.25	Relay Retrofitting work.
Padegaon-Pishor	28/08/2009	13.05	28/08/2009	14.35	Removal of 132 KV Sillod And Padegaon bunching.
Voltage Level : 132KV			Outage Type FORCED OUTAGE		
Pardi-Uppalwadi	28/08/2009	10.15	28/08/2009	18.40	H/T to control Ambazari- Mankapur Ckt Loading.
Mankapur - Uppalwadi	28/08/2009	18.42	28/08/2009	20.42	CKT H/T to control Ambazari-Mankapur CKT Loading.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	27/08/2009	09.07		Continued.	CKT H/T to load Akola ICT.
Wardha--Dhamangaon	27/08/2009	18:18		Continued.	H/T to load Akola ICT
Miraj-Vita	29/08/2009	12.05	29/08/2009	15.10	To attend Decapping work.
Pusad-Parbhani	29/08/2009	15.40	29/08/2009	17.58	To control 220 KV Wardha-Yawtmal line loading.
Voltage Level : 220KV			Outage Type TRIPPED		
Kandalgaon-Lonand	27/08/2009	14.08	28/08/2009	18.20	Distance protection 'B' phase to Earth.
Temghar-Colourchem	27/08/2009	23.30	28/08/2009	00.12	Trip backup, O/C protection operated. 'R' phase not showing current.
Voltage Level : 132KV			Outage Type TRIPPED		
Kalmeshwar-Saoner Ckt.	27/08/2009	21.05	28/08/2009	17.55	DISC PUNCTURED ON Y-PH AT LOCATION NO. 162.
null					
Voltage Level : 220KV			Outage Type TRIPPED		
Vita - Miraj	29/08/2009	03:25	29/08/2009	04:40	Tripped on Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 29/Aug/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	60
Unit 3	105	0
Unit 4	105	40
Unit 5	200	140
Unit 6	210	140
Unit 7	210	0
	1040	380
Bhusawal		
Unit 1	58	45
Unit 2	210	150
Unit 3	210	0
	478	195
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	140
Unit 4	210	0
Unit 5	210	150
Unit 6	250	220
	940	550
Chandrapur		
Unit 1	210	130
Unit 2	210	100
Unit 3	210	150
Unit 4	210	180
Unit 5	500	110
Unit 6	500	200
Unit 7	500	150
	2340	1020
Paras		
Unit 2	55	40
Unit 3	250	190
	305	230
Khaparkheda		
Unit 1	210	190
Unit 2	210	190
Unit 3	210	205
Unit 4	210	210
	840	795
Nasik		
Unit 1	120	0
Unit 2	120	80
Unit 3	210	180
Unit 4	210	190
Unit 5	210	160
	870	610
Uran		
All Units	852	630
	852	630
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	16
BHIRA T.R.	80	40
RNGR+BHTSA	20	17
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	133
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	900
RGPPPL III	740	
	1700	900
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	0
Trombay 8	250	200
TATA Hydro	444	447
	2024	1767
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2935
	3143	2935