



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Aug/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 12/Aug/2009 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	103.928	1256.187	1) Madhya Pradesh	44.496	514.592
2) Hydro	24.848	240.152	2) Gujrat	17.383	207.586
3) Gas	15.301	165.128	3) Goa	-5.579	-65.133
Total MSGENCO	144.077	1661.467	4) TAPS 1&2 (Inj.)	7.254	87.498
B) OTHERS			5) Pench (Excess)	-0.443	-6.407
1) RGPPL Gas	22.543	264.972	# Total Cent. Sector	63.111	738.136
2) Wind Generation	12.452	201.600	F) Other Exchanges		
3) PENCH (MS)	0.443	6.407	1) With TPCL	-4.209	-45.424
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	30.352	356.540	1) MSEDCL Bilateral	3.248	34.268
2) TPCL Hydro	4.831	53.865	Include PX	0.355	5.590
TOTAL TPCL	35.183	410.405	2) MUMBAI Bilateral	5.713	52.686
3) REL Thermal	12.597	137.842	Include PX	0.714	9.003
D) STATE			3) MUMBAI Schedule	5.713	56.122
1) Thermal (A1+C1+C3)	146.877	1750.569	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	30.122	300.424	1) MSEDCL	238.417	2827.158
3) Gas (A3+B1)	37.844	430.100	2) TPCL	34.411	391.997
4) Wind (B2)	12.452	201.600	3) REL	17.578	201.621
TOTAL STATE	227.295	2682.693	TOTAL STATE	290.406	3420.776

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	4393	4369	4460
MSGENCO Hydro	1509	1933	892
MSGENCO Gas	631	636	635
MSGENCO Total Generation	6533	6938	5987
Central Sector Receipt	3041	2443	2138
RGPPL	938	944	945
WIND	560	534	516
Exchange with TPCL	-522	-140	13
MSEDCL DEMAND MET	10550	10745	9626
Load Shedding	2594	4235	1204
MSEDCL DEMAND (INCL. LS)	13144	14980	10830
TPCL GENERATION	1664	1815	976
REL GENERATION	522	524	529
TPCL+REL DEMAND	2708	2479	1492
STATE DEMAND MET	13258	13224	11118
STATE DEMAND (INCL. LS)	15852	17459	12322
Frequency (Hz)	49.08	49.02	49.00
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			5521 MW AT 20.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			85.150 MUS

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
49.59 Hz at 07.34 Hrs	48.59 Hz at 07.03 Hrs	49.09	33.54 % 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 12/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	19.73	77	66	70
Unit 3	1.40	17.00	64	47	60
Unit 4	1.90	22.36	84	70	80
Unit 5	2.93	47.78	178	0	0
Unit 6	3.97	36.15	183	148	180
Unit 7	0.00	0.00	0	0	0
	11.90	143.02			390
Bhusawal					
Unit 1	1.26	13.99	58	46	50
Unit 2	3.38	37.44	152	123	160
Unit 3	4.34	51.64	189	169	190
	8.99	103.07			400
Parli					
Unit 1	0.52	6.44	23	15	20
Unit 2	0.53	6.77	24	13	20
Unit 3	4.34	50.72	191	173	180
Unit 4	0.00	0.00	0	0	0
Unit 5	4.19	50.03	180	163	180
Unit 6	5.40	37.62	244	207	230
	14.98	151.57			630
Chandrapur					
Unit 1	2.41	44.00	141	90	90
Unit 2	3.22	40.93	139	122	140
Unit 3	4.31	56.05	203	116	200
Unit 4	4.24	55.34	202	112	205
Unit 5	8.76	118.08	398	334	450
Unit 6	9.99	118.10	437	400	425
Unit 7	0.00	0.00	0	0	0
	32.92	432.49			1510
Paras					
Unit 2	0.78	5.22	49	14	40
Unit 3	4.81	37.20	213	167	200
	5.59	42.41			240
Khaparkheda					
Unit 1	0.00	49.47	0	0	0
Unit 2	4.36	53.76	190	170	185
Unit 3	4.60	58.20	212	177	210
Unit 4	5.05	51.48	214	205	210
	14.02	212.91			605
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	1.83	19.22	94	57	85
Unit 3	4.68	54.95	207	174	200
Unit 4	4.65	46.29	201	184	180
Unit 5	4.37	50.27	194	156	180
	15.53	170.72			645
Uran					
All Units	15.30	165.13	654	624	610
	15.30	165.13			610
Koyna					
Stage 1-2	4.20	43.29	470	40	600
Stage 4	15.04	132.81	1115	200	250
Kovna 12&4 Total	19.24	176.10			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	4.36	39.23	240	80	160
	23.60	215.34			1010
Hydro					
KDPH	0.00	0.43	0	0	0
VTRNA	0.00	0.19	0	0	0
TILLARI	0.53	8.42	60	0	60
BHTGR/VEER	0.22	3.63	9	9	12
BHIRA T.R.	0.43	4.00	80	0	80
RNGR+BHTSA	0.07	3.38	3	3	10
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	0.00	2.39	0	0	0
	1.24	24.81			162
PENCH (MS)					
Pench (MS)	0.44	6.41	27	0	0
	0.44	6.41			0
Wind					
MalharPeth	0.42	9.36			
Vankuswadi	1.13	20.65			
ATIT	0.23	5.36			
Kale	0.08	7.32			
Satara	1.77	13.34			
Shirala	0.28	6.62			
K Mahankal	0.06	7.38			
Supa	0.13	3.48			
Vita	2.22	32.51			
Dondaicha	3.70	57.04			
Sakri	0.70	11.56			
Nandurbar	0.53	6.35			
Khadakale	0.90	13.56			
Khaparale	0.31	7.07			
	12.45	201.60			
Dabhol					
RGPP L II	22.54	264.97	950	917	882
RGPP L III	0.00	0.00	0	0	0
	22.54	264.97			882
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.04	144.68	505	460	500
Trombay 6	10.21	127.75	510	150	500
Trombay 7A	2.93	27.60	124	121	100
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	5.18	56.51	227	200	200
TATA Hydro	4.83	53.86	456	2	447
	35.18	410.40			1747
REL					
1&2	12.60	137.84	530	497	500
	12.60	137.84			500
Cent Sect					
Share					2304
					2304

MS PG CL	Thermal	103.93	1256.19		4420
	Thml+Gas	119.23	1421.32		5030
	Hydro	24.85	240.15		1172
	Total	144.08	1661.47		6202
State Total		227.30	2682.69		11635

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/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	4462	1184	632	6278	950	405	2384	2274	-30	2	9936	1182	11118	1784	12902	49.02
2	4410	1053	628	6091	948	506	2399	2248	-44	-11	9809	1182	10991	1617	12608	49.15
3	4460	892	635	5987	945	516	2290	2138	-21	13	9626	1204	10830	1492	12322	49.00
4	4411	830	637	5878	949	564	2290	2221	-21	12	9651	1229	10880	1457	12337	49.03
5	4420	833	650	5903	942	576	2290	2269	-21	11	9728	1256	10984	1473	12457	48.99
6	4269	1499	651	6419	949	546	2292	2298	-35	9	10248	1520	11768	1557	13325	49.02
7	4310	958	654	5922	943	497	2360	2222	-32	10	9621	2687	12308	1686	13994	49.10
8	4286	719	652	5657	946	449	2522	2378	-30	7	9437	2993	12430	1785	14215	49.09
9	4255	611	650	5516	946	559	2594	2532	-26	15	9568	3195	12763	2050	14813	49.05
10	4279	1135	652	6066	935	558	2830	2907	-367	-304	10162	2825	12987	2406	15393	49.21
11	4332	1320	642	6294	927	510	3020	2884	-530	-422	10193	2684	12877	2642	15519	49.08
12	4393	1509	631	6533	938	560	3081	3041	-624	-522	10550	2594	13144	2708	15852	49.08
13	4403	1356	641	6400	935	432	3014	3032	-553	-443	10356	2674	13030	2627	15657	49.19
14	4373	763	627	5763	917	411	2933	3181	-473	-369	9913	3773	13686	2576	16262	49.02
15	4308	391	626	5325	924	478	2960	3111	-511	-403	9451	4361	13812	2619	16431	49.10
16	4287	445	624	5356	924	545	2970	3164	-511	-415	9591	3871	13462	2630	16092	49.06
17	4273	448	635	5356	930	591	2970	3129	-511	-414	9617	3905	13522	2627	16149	49.27
18	4244	795	638	5677	940	713	2846	3084	-427	-342	10099	3451	13550	2539	16089	49.28
19	4333	1802	636	6771	939	595	2331	2605	-213	-131	10806	3015	13821	2395	16216	49.14
20	4369	1933	636	6938	944	534	2302	2443	-171	-140	10745	4235	14980	2479	17459	49.02
21	4295	1503	630	6428	945	505	2303	2492	-171	-121	10275	4331	14606	2420	17026	49.17
22	4262	1194	629	6085	943	453	2304	2405	-127	-89	9823	4157	13980	2271	16251	49.04
23	4254	845	636	5735	945	470	2332	2537	-167	-112	9602	3042	12644	2132	14776	49.14
24	4240	830	629	5699	939	479	2396	2516	-99	-50	9610	2023	11633	2017	13650	48.97
MUs	103.93	24.85	15.30	144.08	22.54	12.45	62.01	63.11	-5.71	-4.21	238.42	67.39	305.81	51.99	357.80	49.09

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 12/Aug/2009

Position as on 6.30 Hrs of 13/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 12/Aug/2009

Position as on 6.30 Hrs of 13/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	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.
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 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-Chalisgaon-II	06/08/2009	19.12		Continued.	CKT on TBC main breaker replacement work.
Parvati-Phursungi	11/08/2009	10.33	12/08/2009	22.48	Retrofitting work
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		
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

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 12/Aug/2009

Position as on 6.30 Hrs of 13/Aug/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Chandrapur - Bhadravati-IV	12/08/2009	20.22	12/08/2009	22.46	Tripped on O/V
Koyna IV - Jejuri	13/08/2009	01.38		Continued.	Distance Prot. Z-1,Y-E
Voltage Level : 220KV			Outage Type TRIPPED		
Kalwa - Khargar	11/08/2009	23.31	12/08/2009	04.23	Distance prot. R phasse to E
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		
Bhandara - Madgi -I	13/08/2009	00.55	13/08/2009	01.10	Distance Prot. B-E
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 13/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	170
Unit 6	210	170
Unit 7	210	0
	1040	550
Bhusawal		
Unit 1	58	50
Unit 2	210	160
Unit 3	210	180
	478	390
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	155
Unit 2	210	135
Unit 3	210	200
Unit 4	210	150
Unit 5	500	400
Unit 6	500	425
Unit 7	500	0
	2340	1465
Paras		
Unit 2	55	35
Unit 3	250	190
	305	225
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	90
Unit 3	210	200
Unit 4	210	190
Unit 5	210	185
	870	665
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	9
BHIRA T.R.	80	80
RNGR+BHTSA	20	3
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	152
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	882
RGPL III	740	0
	1700	882
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	2438
	3143	2438

	17616	7 of 7	11984
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