



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

State Load Dispatch Center, Airoli

Daily system Report

for

09/Dec/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 09/Dec/2009 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	113.589	1059.281	1) Madhya Pradesh	77.405	587.021
2) Hydro	12.045	65.969	2) Gujrat	12.117	136.721
3) Gas	14.715	127.879	3) Goa	-5.870	-54.904
Total MSGENCO	140.349	1253.129	4) TAPS 1&2 (Inj.)	5.257	64.309
B) OTHERS			5) Pench (Excess)	-0.281	-1.601
1) RGPPL Gas	21.183	196.958	# Total Cent. Sector	88.628	731.546
2) Wind Generation	2.777	17.505	F) Other Exchanges		
3) PENCH (MS)	0.281	1.601	1) With TPCL	-4.703	-37.240
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	25.139	222.155	1) MSEDCL Bilateral	5.316	43.905
2) TPCL Hydro	5.540	45.443	Include PX	3.366	22.676
TOTAL TPCL	30.679	267.598	2) MUMBAI Bilateral	5.584	43.516
3) REL Thermal	12.719	114.557	Include PX	0.432	1.198
D) STATE			3) MUMBAI Schedule	5.584	43.516
1) Thermal (A1+C1+C3)	151.447	1395.993	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	17.866	113.013	1) MSEDCL	248.515	2163.499
3) Gas (A3+B1)	35.898	324.837	2) TPCL	31.706	274.925
4) Wind (B2)	2.777	17.505	3) REL	16.396	144.437
TOTAL STATE	207.988	1851.348	TOTAL STATE	296.617	2582.861

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4617	4714	4818
MSGENCO Hydro	732	1351	69
MSGENCO Gas	593	642	562
MSGENCO Total Generation	5942	6707	5449
Central Sector Receipt	4161	4137	3210
RGPPL	878	880	890
WIND	104	49	178
Exchange with TPCL	-312	-328	-6
MSEDCL DEMAND MET	10796	11498	9721
Load Shedding	3435	3264	1716
MSEDCL DEMAND (INCL. LS)	14231	14762	11437
TPCL GENERATION	1635	1631	852
REL GENERATION	526	528	531
TPCL+REL DEMAND	2473	2487	1389
STATE DEMAND MET	13269	13985	11110
STATE DEMAND (INCL. LS)	16704	17249	12826
Frequency (Hz)	49.61	49.54	50.04
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			5245 MW AT 13.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			96.49 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.33 Hz at 03.12 Hrs	49.09 Hz at 15.49 Hrs	49.67	0 % of Time

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and Mumbai bilateral power.

State Load Dispatch Center, Airoli (MSETCL)

Daily and Progressive Generation, Maximum, Minimum, OLC Details for 09/Dec/2009

Generating unit	Generation				OLC (MW)	Generating unit	Generation				OLC (MW)	
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)			Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)		
Koradi						Stage 3	1.56	7.91	224	0	240	
Unit 1	1.81	16.28	83	67	80		9.50	45.08			950	
Unit 2	1.68	15.20	75	65	70	Hydro						
Unit 3	1.36	14.68	67	42	60	KDPH	0.00	0.00	0	0	0	
Unit 4	0.00	6.17	0	0	0	VTRNA	0.00	0.00	0	0	0	
Unit 5	0.72	31.44	154	0	60	TILLARI	0.36	3.31	61	0	60	
Unit 6	3.69	32.68	161	145	160	BHTGR/VEER	0.71	5.55	30	29	30	
Unit 7	3.66	34.08	175	125	155	BHIRA T.R.	0.30	2.38	82	0	82	
	12.93	150.53			585	RNGR+BHTSA	0.38	2.82	18	14	15	
Bhusawal						BHANDARDRA	0.00	0.05	0	0	20	
Unit 1	1.23	11.21	55	35	52	ELDARY	0.00	0.00	0	0	0	
Unit 2	4.38	21.52	190	145	180	PAITHAN	0.06	0.41	10	0	10	
Unit 3	4.42	39.23	190	177	190	GHATGHAR	0.74	6.37	125	0	0	
	10.02	71.96			422		2.54	20.89			217	
Parli						PENCH (MS)						
Unit 1	0.57	4.27	25	22	20	Pench (MS)	0.28	1.60	54	0	0	
Unit 2	0.56	5.04	25	21	20		0.28	1.60			0	
Unit 3	3.98	35.54	178	155	170	Wind						
Unit 4	4.69	41.62	204	182	195	MalharPeth	0.19	0.87				
Unit 5	3.96	24.89	189	83	175	Vankuswadi	0.55	2.57				
Unit 6	4.84	45.29	229	129	220	ATIT	0.08	0.38				
	18.60	156.66			800	Kale	0.18	0.61				
Chandrapur						Satara	0.14	0.96				
Unit 1	3.55	32.19	151	141	160	Shirala	0.18	0.66				
Unit 2	3.58	32.74	163	122	160	K Mahankal	0.23	0.49				
Unit 3	4.18	33.39	192	157	210	Supa	0.04	0.34				
Unit 4	4.24	34.24	200	156	210	Vita	0.82	4.26				
Unit 5	0.00	70.77	0	0	0	Dondaicha	0.05	2.92				
Unit 6	9.63	64.38	420	390	450	Sakri	0.00	0.88				
Unit 7	9.64	89.30	445	374	450	Nandurbar	0.01	0.36				
	34.81	357.02			1640	Khadakale	0.23	1.04				
Paras						Khaparale	0.07	1.17				
Unit 2	0.62	5.55	28	22	20		2.78	17.50				
Unit 3	4.32	41.96	189	169	185	Dabhol						
	4.94	47.51			205	RGPPPL II	21.18	196.96	890	870	860	
Khaparkheda						RGPPPL III	0.00	0.00	0	0	0	
Unit 1	4.71	39.90	205	186	190		21.18	196.96			860	
Unit 2	4.45	35.31	194	170	190	Tata						
Unit 3	4.90	41.50	210	177	210	Trombay 4	0.00	1.83	0	0	0	
Unit 4	4.75	40.88	213	164	160	Trombay 5	11.04	98.32	460	460	500	
	18.81	157.59			750	Trombay 6	9.65	83.86	505	160	500	
Nasik						Trombay 7A	2.85	24.14	124	108	120	
Unit 1	2.24	19.51	97	81	90	Trombay 7B	1.60	14.00	69	62	60	
Unit 2	2.20	19.54	96	84	90	Trombay 8	0.00	0.00	0	0	0	
Unit 3	4.53	42.24	199	179	190	TATA Hydro	5.54	45.44	481	0	447	
Unit 4	4.51	36.72	202	171	180		30.68	267.60			1627	
Unit 5	0.00	0.00	0	0	0	REL						
	13.48	118.02			550	1&2	12.72	114.56	533	526	500	
Uran							12.72	114.56			500	
All Units	14.72	127.88	664	557	610	Cent Sect						
	14.72	127.88			610	Share		0.00			2923	
Koyna								0.00			2923	
Stage 1-2	2.30	17.76	260	25	460							
Stage 4	5.64	19.41	794	0	250							
Koyna 12&4 Total	7.94	37.17			710							
							MS	Thermal	113.59	1059.28		4952
							PG	Thml+Gas	128.30	1187.16		5562
							CL	Hydro	12.04	65.97		1167
								Total	140.35	1253.13		6729
							State Total		207.99	1851.35		12639

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 09/Dec/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	4900	74	588	5562	888	155	2429	3207	-41	-7	9805	1856	11661	1581	13242	49.83
2	4826	74	562	5462	890	169	2456	3141	-41	-5	9657	1895	11552	1438	12990	50.05
3	4818	69	562	5449	890	178	2463	3210	-41	-6	9721	1716	11437	1389	12826	50.04
4	4836	74	557	5467	890	182	2463	3030	-41	-4	9565	1962	11527	1348	12875	50.06
5	4750	124	557	5431	890	207	2449	3245	-41	-5	9768	2070	11838	1360	13198	49.82
6	4724	281	558	5563	889	219	2577	3425	-41		10096	2328	12424	1426	13850	49.73
7	4725	179	589	5493	890	232	2688	3359	-59	-23	9951	3304	13255	1576	14831	49.66
8	4717	84	602	5403	889	207	3005	3371	-59	-31	9839	3651	13490	1670	15160	49.69
9	4712	458	606	5776	887	139	2969	3108	-62	-35	9875	3797	13672	1866	15538	49.48
10	4740	601	664	6005	883	115	3272	3470	-315	-268	10205	3690	13895	2231	16126	49.54
11	4743	576	635	5954	879	84	3318	3956	-359	-310	10563	3359	13922	2430	16352	49.62
12	4617	732	593	5942	878	104	3250	4161	-359	-312	10796	3435	14231	2473	16704	49.61
13	4579	757	611	5947	872	89	3502	4214	-359	-321	10811	3797	14608	2429	17037	49.54
14	4713	582	623	5918	877	75	3569	3843	-359	-352	10361	4048	14409	2358	16767	49.69
15	4752	430	624	5806	870	60	3580	4370	-359	-344	10762	3619	14381	2414	16795	49.46
16	4676	709	629	6014	872	57	3616	4030	-359	-346	10627	3261	13888	2395	16283	49.48
17	4657	922	631	6210	876	59	3621	3751	-359	-353	10543	3230	13773	2407	16180	49.49
18	4725	1168	639	6532	877	51	3338	4122	-358	-320	11289	2895	14184	2365	16549	49.48
19	4714	1351	642	6707	880	49	3252	4137	-364	-328	11498	3264	14762	2487	17249	49.54
20	4768	1298	646	6712	881	51	2930	3848	-374	-339	11206	3419	14625	2431	17056	49.45
21	4744	1193	648	6585	884	55	3037	3629	-332	-271	10936	3180	14116	2262	16378	49.52
22	4705	144	656	5505	882	57	3157	4473	-322	-265	10705	3207	13912	2096	16008	49.87
23	4764	85	653	5502	883	84	2890	3871	-322	-260	10088	2906	12994	1892	14886	49.79
24	4684	80	640	5404	886	99	2759	3657	-253	-198	9848	2166	12014	1777	13791	49.54
MUs	113.59	12.04	14.72	140.35	21.18	2.78	72.59	88.63	-5.58	-4.70	248.52	72.06	320.57	48.10	368.67	49.67

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 09/Dec/2009

Position as on 6.30 Hrs of 10/Dec/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 8	250	25/11/2009	00:35		Continued.	Performance Guarantee Test	10/12/2009
Nasik Unit 5	210	25/11/2009	01:50		Continued.	AOH	17/12/2009
Koyna Unit 3	75	06/12/2009	05.45		Continued.	Pressure Shaft Problem.	22/12/2009
Koyna Unit 4	75	06/12/2009	06.30		Continued.	Pressure Shaft Problem.	22/12/2009
Koyna Unit 10	80	06/12/2009	11.00		Continued.	Retrofitting of Excitation System.	06/01/2010
Cent_Sect TARAPUR-3	540	08/12/2009	13.35		Continued.	Maintaince Work.	14/12/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	15/12/2009
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	31/03/2010
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	07/01/2010
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Uran Unit 3	60	05/07/2009	21.12		Continued.	Stator Earth Fault	
Tata Trombay 4	150	01/12/2009	19:16		Continued.	Low Demand.	
Koradi Unit 4	115	04/12/2009	20.31		Continued.	Boiler T/L.	09/12/2009
Cent_Sect NTPC(V-6)	210	07/12/2009	02:02	09/12/2009	12:20	Boiler Tube Leakage.	
Chandrapur Unit 5	500	08/12/2009	02.32		Continued.	Boiler T/L.	12/12/2009
Koradi Unit 5	200	09/12/2009	06:41		Continued.	I.D. Fan Problem.	10/12/2009
Cent_Sect Tarapur 1	80	09/12/2009	09:22		Continued.	Condenser Tube Leakage.	13/12/2009

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 09/Dec/2009

Position as on 6.30 Hrs of 10/Dec/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		
Mudshingi-Ponda	06/12/2009	11.45		Continued.	For LILO Work @ Amona S/S.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
WARDHA-AKOLA-II	24/10/2009	16.46	09/12/2009	10:27	H/T due to over voltage
DHULE-SAR'SAROVAR-I	01/12/2009	13:16	09/12/2009	10:26	H/T for O/V.
Akola-Aurangabad-II	08/12/2009	15.43	09/12/2009	12:23	H/T/For PLCC Work.
Dhule-Sar'Sarovar II	09/12/2009	12:38		Continued.	H/T for O/V.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kalwa-M.B -I	09/12/2009	08:08		Continued.	Installation of isol. Sciss or assembly.
400/220 KV 300 MVA ICT-I @ Koradi	09/12/2009	09:45	09/12/2009	17:50	Bus bar CT core checking.
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 150 MVA ICT @ Amravati	22/11/2009	09:26		Continued.	Augmentation of 150 MVA ICT by 200 MVA ICT and other Works.
220/66KV T/F at SICOM	27/11/2009	09:45		Continued.	L V Bkr Replacement work.
220/100 125 MVA ICT - II @ Trombay	03/12/2009	09.01		Continued.	Repl. Of CR Pannel and CT's
Karad - Vita - I	09/12/2009	10:20	09/12/2009	17:20	DCRM testing work.
Vita - Lamboti	09/12/2009	10:30	09/12/2009	16:30	Isolator alignment work.
Vita - Pandharpur	09/12/2009	10:30	09/12/2009	16:20	Isolator alignment work.
BUS COUPLER AT NAGOTHANE	09/12/2009	10:36	09/12/2009	17:35	To attend CT oil leakageg.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Solapur - Ujani	20/11/2009	09.40		Continued.	Breaker replacement
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	06/12/2009	11.18	09/12/2009	17:16	H/T to Control ICT Loading @ Aurangabad.,I/S from A'bad end only.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Aurangabad - Bhenda	04/12/2009	18.12		Continued.	H/T To control ICT Loading.
Vita Bus-Sectionalizer	08/12/2009	07.55		Continued.	Heavy Sparking on Isolator.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Chikhali - Khamgaon	06/11/2009	11:35		Continued.	To Control Chikhali line loading.
Voltage Level : 400KV			Outage Type TRIPPED		
Bhusawal- Aurangabad	09/12/2009	19:02		Continued.	Tripped on O/V.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132KV 100MVA ICT-I at Parbhani	09/12/2009	17:44	09/12/2009	18:18	Tripped on internal fault.

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 10/Dec/2009

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi			KDPH	40	0
Unit 1	105	80	VTRNA	60	0
Unit 2	105	45	TILLARI	60	60
Unit 3	105	70	BHTGR/VEER	21	30
Unit 4	105	0	BHIRA T.R.	80	80
Unit 5	200	0	RNGR+BHTSA	20	15
Unit 6	210	160	BHANDARDRA	45	0
Unit 7	210	160	ELDARY	23	0
	1040	515	PAITHAN	12	10
Bhusawal			GHATGHAR	250	0
Unit 1	58	52		611	195
Unit 2	210	190	PENCH (MS)		
Unit 3	210	190	Pench (MS)	53	
	478	432		53	
Parli			Wind		
Unit 1	30	20	MalharPeth	0	
Unit 2	30	20	Vankuswadi	0	
Unit 3	210	155	ATIT	0	
Unit 4	210	185	Kale	0	
Unit 5	210	170	Satara	0	
Unit 6	250	200	Shirala	0	
	940	750	K Mahankal	0	
Chandrapur			Supa	0	
Unit 1	210	160	Vita	0	
Unit 2	210	160	Dondaicha	0	
Unit 3	210	200	Sakri	0	
Unit 4	210	180	Nandurbar	0	
Unit 5	500	0	Khadakale	0	
Unit 6	500	450	Khaparale	0	
Unit 7	500	450		0	
	2340	1600	Dabhol		
Paras			RGPPL II	960	900
Unit 2	55	20	RGPPL III	740	
Unit 3	250	165		1700	900
	305	185	Tata		
Khaparkheda			Trombay 4	150	0
Unit 1	210	190	Trombay 5	500	500
Unit 2	210	190	Trombay 6	500	500
Unit 3	210	210	Trombay 7A	120	120
Unit 4	210	210	Trombay 7B	60	60
	840	800	Trombay 8	250	0
Nasik			TATA Hydro	444	447
Unit 1	120	95		2024	1627
Unit 2	120	95	REL		
Unit 3	210	190	1&2	500	500
Unit 4	210	185		500	500
Unit 5	210	0	Cent Sect		
	870	565	Share	3143	2894
Uran				3143	2894
All Units	852	600			
	852	600			
Koyna					
Stage 1-2	600	460			
Stage 4	1000	250			
Stage 3	320	240			
	1920	950			
Hydro					
				17616	12513