



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

State Load Dispatch Center, Airoli

Daily system Report

for

06/Dec/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 06/Dec/2009 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	118.398	710.030	1) Madhya Pradesh	70.040	365.093
2) Hydro	3.596	38.477	2) Gujrat	14.266	90.489
3) Gas	14.825	86.311	3) Goa	-5.873	-36.968
Total MSGENCO	136.819	834.818	4) TAPS 1&2 (Inj.)	7.397	44.267
B) OTHERS			5) Pench (Excess)	-0.069	-0.920
1) RGPPL Gas	21.893	132.970	# Total Cent. Sector	85.761	461.961
2) Wind Generation	1.504	11.489	F) Other Exchanges		
3) PENCH (MS)	0.069	0.920	1) With TPCL	-1.701	-22.969
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	24.301	147.979	1) MSEDCL Bilateral	5.957	26.350
2) TPCL Hydro	0.649	28.067	Include PX	2.320	12.314
TOTAL TPCL	24.950	176.046	2) MUMBAI Bilateral	2.492	27.156
3) REL Thermal	12.750	76.400	Include PX	0.000	0.329
D) STATE			3) MUMBAI Schedule	2.492	27.156
1) Thermal (A1+C1+C3)	155.449	934.409	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	4.314	67.464	1) MSEDCL	244.345	1419.189
3) Gas (A3+B1)	36.718	219.281	2) TPCL	25.224	179.941
4) Wind (B2)	1.504	11.489	3) REL	14.175	95.451
TOTAL STATE	197.985	1232.643	TOTAL STATE	283.744	1694.581

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4928	5118	4834
MSGENCO Hydro	239	435	92
MSGENCO Gas	631	614	618
MSGENCO Total Generation	5798	6167	5544
Central Sector Receipt	3906	4171	2652
RGPPL	902	899	957
WIND	43	32	90
Exchange with TPCL	-91	-145	-18
MSEDCL DEMAND MET	10558	11151	9225
Load Shedding	2836	3082	1541
MSEDCL DEMAND (INCL. LS)	13394	14233	10766
TPCL GENERATION	1144	1296	871
REL GENERATION	529	530	531
TPCL+REL DEMAND	1764	1971	1420
STATE DEMAND MET	12322	13122	10645
STATE DEMAND (INCL. LS)	15158	16204	12186
Frequency (Hz)	49.65	49.88	50.02
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4277 MW AT 13.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			79.28 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.48 Hz at 21.50 Hrs	49.14 Hz at 09.18 Hrs	49.91	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 06/Dec/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.99	10.62	87	77	75
Unit 2	1.77	9.90	79	69	70
Unit 3	1.77	9.96	81	62	70
Unit 4	0.00	6.17	0	0	0
Unit 5	3.76	22.88	170	143	160
Unit 6	3.75	21.63	166	132	150
Unit 7	3.82	22.60	184	148	170
	16.87	103.77			695
Bhusawal					
Unit 1	1.27	7.42	58	38	52
Unit 2	0.00	13.53	0	0	0
Unit 3	4.46	25.92	191	180	190
	5.74	46.86			242
Parli					
Unit 1	0.00	2.72	5	0	0
Unit 2	0.56	3.34	25	21	20
Unit 3	4.12	23.41	178	163	180
Unit 4	4.90	27.44	211	193	210
Unit 5	0.00	20.18	0	0	210
Unit 6	5.15	29.78	241	193	210
	14.73	106.86			830
Chandrapur					
Unit 1	3.58	21.54	154	142	160
Unit 2	3.80	21.64	164	151	160
Unit 3	3.71	21.12	170	124	160
Unit 4	3.32	21.90	167	113	180
Unit 5	10.26	59.05	447	404	450
Unit 6	9.72	34.77	495	349	450
Unit 7	10.29	59.09	453	408	450
	44.68	239.12			2010
Paras					
Unit 2	0.63	3.65	28	24	22
Unit 3	4.60	28.72	209	178	210
	5.23	32.37			232
Khaparkheda					
Unit 1	4.44	26.18	198	162	190
Unit 2	4.14	22.58	186	140	190
Unit 3	4.24	27.52	201	164	210
Unit 4	4.63	27.38	214	175	210
	17.45	103.66			800
Nasik					
Unit 1	2.19	12.81	98	82	95
Unit 2	2.20	13.02	99	82	95
Unit 3	4.84	28.42	209	196	195
Unit 4	4.47	23.16	197	177	195
Unit 5	0.00	0.00	0	0	0
	13.71	77.40			580
Uran					
All Units	14.82	86.31	662	565	600
	14.82	86.31			600
Koyna					
Stage 1-2	0.82	10.62	55	20	600
Stage 4	0.29	10.44	154	0	250
Kovna 12&4 Total	1.11	21.06			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.18	4.18	128	0	240
	1.29	25.24			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.37	2.23	60	0	60
BHTGR/VEER	0.72	3.64	30	30	30
BHIRA T.R.	0.25	1.60	84	0	80
RNGR+BHTSA	0.29	1.76	12	12	12
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.29	10	0	10
GHATGHAR	0.62	3.72	125	0	0
	2.31	13.24			192
PENCH (MS)					
Pench (MS)	0.07	0.92	27	0	
	0.07	0.92			
Wind					
MalharPeth	0.06	0.46			
Vankuswadi	0.21	1.38			
ATIT	0.02	0.19			
Kale	0.02	0.28			
Satara	0.05	0.47			
Shirala	0.01	0.30			
K Mahankal	0.02	0.19			
Supa	0.04	0.24			
Vita	0.39	2.45			
Dondaicha	0.27	2.79			
Sakri	0.03	0.87			
Nandurbar	0.04	0.32			
Khadakale	0.07	0.73			
Khaparale	0.27	0.81			
	1.50	11.49			
Dabhol					
RGPP L II	21.89	132.97	958	890	900
RGPP L III	0.00	0.00	0	0	
	21.89	132.97			900
Tata					
Trombay 4	0.00	1.83	0	0	0
Trombay 5	11.04	65.26	460	460	500
Trombay 6	8.85	54.69	510	180	500
Trombay 7A	2.82	16.70	124	108	80
Trombay 7B	1.59	9.51	68	63	80
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	0.65	28.07	138	0	447
	24.95	176.05			1607
REL					
1&2	12.75	76.40	533	528	500
	12.75	76.40			500
Cent Sect					
Share	0.00	0.00			3089
	0.00	0.00			3089

MS PG CL	Thermal	118.40	710.03		5389
	Thml+Gas	133.22	796.34		5989
	Hydro	3.60	38.48		1282
	Total	136.82	834.82		7271
State Total		197.98	1232.64		13367

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 06/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	4887	82	616	5585	955	72	2521	2788	-41	-22	9378	1652	11030	1535	12565	49.96
2	4789	82	618	5489	956	89	2521	2726	-41	-19	9241	1675	10916	1482	12398	50.05
3	4834	92	618	5544	957	90	2521	2652	-41	-18	9225	1541	10766	1420	12186	50.02
4	4842	92	617	5551	958	84	2501	2621	-41	-20	9194	1673	10867	1373	12240	50.16
5	4877	87	618	5582	958	100	2501	2745	-41	-23	9362	1716	11078	1365	12443	50.08
6	4875	97	637	5609	915	89	2616	3167	-41	-24	9756	2080	11836	1392	13228	49.82
7	4899	77	660	5636	906	82	2708	3358	-41	-22	9960	2632	12592	1418	14010	49.93
8	4942	67	658	5667	910	95	3027	3688	-41	-23	10337	2853	13190	1469	14659	49.79
9	4895	84	662	5641	908	89	3032	3277	-54	-31	9884	3201	13085	1547	14632	49.65
10	4956	144	655	5755	905	58	3125	3528	-112	-90	10156	3155	13311	1677	14988	49.59
11	4928	239	631	5798	902	43	3119	3906	-112	-91	10558	2836	13394	1764	15158	49.65
12	4921	221	631	5773	890	40	3114	3945	-112	-90	10558	2795	13353	1774	15127	49.55
13	4908	67	628	5603	891	44	3111	4350	-112	-63	10825	2780	13605	1744	15349	49.59
14	4899	67	588	5554	895	41	3128	4160	-112	-66	10584	2830	13414	1698	15112	49.95
15	4918	62	575	5555	896	38	3171	3961	-112	-67	10383	2888	13271	1676	14947	50.03
16	4907	187	582	5676	896	47	3216	3964	-112	-71	10512	2885	13397	1644	15041	49.94
17	4957	130	593	5680	896	56	3188	3970	-112	-68	10534	2817	13351	1588	14939	49.88
18	4989	184	599	5772	898	51	3246	4078	-181	-140	10659	2528	13187	1689	14876	49.99
19	5093	348	602	6043	898	36	3160	4354	-183	-147	11199	2919	14118	1906	16024	50.05
20	5118	435	614	6167	899	32	2872	4171	-184	-145	11151	3082	14233	1971	16204	49.88
21	5089	504	616	6209	900	40	2877	3858	-184	-132	10895	2833	13728	1961	15689	49.82
22	5017	99	623	5739	900	47	2877	3849	-182	-131	10411	2848	13259	1914	15173	49.99
23	4960	72	619	5651	900	62	2904	3411	-181	-134	9890	2757	12647	1786	14433	50.06
24	4898	77	565	5540	904	79	2780	3234	-112	-64	9693	2099	11792	1608	13400	50.30
MUs	118.40	3.60	14.82	136.82	21.89	1.50	69.84	85.76	-2.49	-1.70	244.34	61.08	305.42	39.40	344.82	49.91

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 06/Dec/2009

Position as on 6.30 Hrs of 07/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
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.	
Koyna Unit 11	80	02/12/2009	09.45	06/12/2009	10.40	Stator core tightning work.	06/12/2009
Cent_Sect Sipat-4	500	03/12/2009	00:53	06/12/2009	13.07	ID FAN PROBLEM	06/12/2009
Bhusawal Unit 2	210	04/12/2009	07.06		Continued.	Boiler T/L.	08/12/2009
Koradi Unit 4	115	04/12/2009	20.31		Continued.	Boiler T/L.	07/12/2009
Parli Unit 5	210	05/12/2009	22.33		Continued.	ESP Problem	08/12/2009
Parli Unit 1	30	06/12/2009	00.23	07/12/2009	05.53	Boiler Tube Leakage	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 06/Dec/2009

Position as on 6.30 Hrs of 07/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		Continued.	H/T due to over voltage
DHULE-SAR'SAROVAR-I	01/12/2009	13:16		Continued.	H/T for O/V.
Akola-Aurangabad-II	06/12/2009	03.57	06/12/2009	11.45	Taken in service from Aurangabad end only.
IntraState					
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
Pophali-KDPH	06/12/2009	05.55	06/12/2009	18.00	Outage of M.B.Sec.-I @ Pophali.
Pophali-K'gaon	06/12/2009	06.12	06/12/2009	16.50	Outage of M.B.Sec.-I @ Pophali.
Pedambe-Pophali I	06/12/2009	06.40	06/12/2009	17.30	Outage of M.B.Sec.-I @ Pophali.
Main Bus Section - I @ Pophali	06/12/2009	06.47	06/12/2009	16.50	Maintenance Work.
220 KV Main Bus - VI @ Trombay (Tata)	06/12/2009	08.38	06/12/2009	20.20	Replacement of Gantry Insulator.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Solapur - Ujani	20/11/2009	09.40		Continued.	Breaker replacement
Malkapur - Bhusawal	06/12/2009	08.40	06/12/2009	10.43	The CKT Kept Opeand upto Warangoan s/s.And Charged From Malkapur End.For Diversion Work.
Bhusawal - Muktainagar	06/12/2009	12.36	06/12/2009	13.40	The CKT Kept Opeand upto Warangaon s/s.The CKT Charged From Muktainagar End.For Diversion Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	06/12/2009	11.18		Continued.	H/T to Control ICT Loading @ Aurangabad.
Akola - Aurangabad - II	07/12/2009	00.27		Continued.	Hand Tripped for Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha--Dhamangaon	30/11/2009	03.23		Continued.	To load Akola ICT
Aurangabad - Bhenda	04/12/2009	18.12		Continued.	H/T To control ICT Loading.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Chikhali - Khamgaon	06/11/2009	11:35		Continued.	To Control Chikhali line loading.
Bhusawal - Pachora	04/12/2009	11.48		Continued.	H/T To Control Khadka ICT Load.
Pahur - Pachora	04/12/2009	12.07		Continued.	H/T To Control Khadka ICT Load.
Voltage Level : 220KV			Outage Type TRIPPED		
CHINCHWAD-PARVATI	06/12/2009	05.26	06/12/2009	12.26	Distance protection
220/132 Kv200 MVA ICT at Kalmeshwar	06/12/2009	15.03	06/12/2009	15.43	132 KV Bus Bar Protection Operated @ Kalmeshwar.
Voltage Level : 132KV			Outage Type TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 06/Dec/2009

Position as on 6.30 Hrs of 07/Dec/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Kalmeshwar - Katol	06/12/2009	15.03	06/12/2009	16.07	132 KV Bus Bar Protection Operated @ Kalmeshwar.
132 KV BUS COUPLER at Kalmeshwar	06/12/2009	15.03	06/12/2009	15.50	132 KV Bus Bar Protection Operated @ Kalmeshwar.
132//33 KV 25 MVA T/F-II at Kalmeshwar	06/12/2009	15.03	06/12/2009	16.12	132 KV Bus Bar Protection Operated @ Kalmeshwar.
132/11 KV 16 MVA T/F @ Kalmeshwar	06/12/2009	15.03	06/12/2009	16.00	132 KV Bus Bar Protection Operated @ Kalmeshwar.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 07/Dec/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	75
Unit 4	105	0
Unit 5	200	150
Unit 6	210	135
Unit 7	210	165
	1040	665
Bhusawal		
Unit 1	58	55
Unit 2	210	0
Unit 3	210	190
	478	245
Parli		
Unit 1	30	0
Unit 2	30	20
Unit 3	210	170
Unit 4	210	175
Unit 5	210	0
Unit 6	250	245
	940	610
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	180
Unit 4	210	180
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	2030
Paras		
Unit 2	55	30
Unit 3	250	180
	305	210
Khaparkheda		
Unit 1	210	190
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	800
Nasik		
Unit 1	120	100
Unit 2	120	100
Unit 3	210	195
Unit 4	210	195
Unit 5	210	0
	870	590
Uran		
All Units	852	550
	852	550
Koyna		
Stage 1-2	600	460
Stage 4	1000	250
Stage 3	320	240
	1920	950
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	20
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	185
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	914
RGPL III	740	
	1700	914
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	100
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1607
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3367
	3143	3367