



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

State Load Dispatch Center, Airoli

Daily system Report

for

10/Dec/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 10/Dec/2009 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	112.051	1171.332	1) Madhya Pradesh	79.010	666.031
2) Hydro	10.906	76.875	2) Gujrat	13.279	150.000
3) Gas	14.515	142.394	3) Goa	-6.058	-60.962
Total MSGENCO	137.472	1390.601	4) TAPS 1&2 (Inj.)	3.677	67.986
B) OTHERS			5) Pench (Excess)	-0.067	-1.668
1) RGPPL Gas	21.077	218.035	# Total Cent. Sector	89.841	821.387
2) Wind Generation	2.017	19.522	F) Other Exchanges		
3) PENCH (MS)	0.067	1.668	1) With TPCL	-4.993	-42.233
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	24.883	247.038	1) MSEDCL Bilateral	6.921	50.106
2) TPCL Hydro	5.583	51.026	Include PX	6.171	28.847
TOTAL TPCL	30.466	298.064	2) MUMBAI Bilateral	5.943	49.459
3) REL Thermal	12.715	127.272	Include PX	0.845	2.043
D) STATE			3) MUMBAI Schedule	5.943	49.459
1) Thermal (A1+C1+C3)	149.649	1545.642	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	16.556	129.569	1) MSEDCL	245.481	2408.980
3) Gas (A3+B1)	35.592	360.429	2) TPCL	31.827	306.752
4) Wind (B2)	2.017	19.522	3) REL	16.349	160.786
TOTAL STATE	203.814	2055.162	TOTAL STATE	293.657	2876.518

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4598	4814	4574
MSGENCO Hydro	355	1547	81
MSGENCO Gas	610	611	593
MSGENCO Total Generation	5563	6972	5248
Central Sector Receipt	4291	3595	3400
RGPPL	881	878	888
WIND	75	80	72
Exchange with TPCL	-330	-395	-5
MSEDCL DEMAND MET	10480	11130	9603
Load Shedding	3305	3703	1620
MSEDCL DEMAND (INCL. LS)	13785	14833	11223
TPCL GENERATION	1575	1592	841
REL GENERATION	528	527	532
TPCL+REL DEMAND	2433	2514	1378
STATE DEMAND MET	12913	13644	10981
STATE DEMAND (INCL. LS)	16218	17347	12601
Frequency (Hz)	49.53	49.56	49.96
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			5456 MW AT 19.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			98.81 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.22 Hz at 03.08 Hrs	49.1 Hz at 12.18 Hrs	49.65	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 10/Dec/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.74	18.02	87	31	80
Unit 2	1.46	16.65	75	43	45
Unit 3	1.42	16.10	74	22	70
Unit 4	0.00	6.17	0	0	0
Unit 5	0.42	31.86	116	0	0
Unit 6	3.62	36.30	160	110	160
Unit 7	3.87	37.96	189	128	160
	12.53	163.06			515
Bhusawal					
Unit 1	0.82	12.03	56	18	52
Unit 2	4.23	25.75	187	166	190
Unit 3	4.30	43.52	185	170	190
	9.35	81.31			432
Parli					
Unit 1	0.60	4.87	26	23	20
Unit 2	0.59	5.62	26	22	20
Unit 3	3.72	39.26	183	123	155
Unit 4	4.72	46.34	212	180	185
Unit 5	4.30	29.19	189	169	170
Unit 6	5.24	50.52	232	205	200
	19.15	175.81			750
Chandrapur					
Unit 1	3.54	35.73	154	130	160
Unit 2	3.76	36.51	168	144	160
Unit 3	3.95	37.34	189	98	200
Unit 4	3.90	38.14	202	100	180
Unit 5	0.00	70.77	0	0	0
Unit 6	9.75	74.13	430	375	450
Unit 7	9.59	98.89	427	357	450
	34.49	391.51			1600
Paras					
Unit 2	0.58	6.13	28	20	20
Unit 3	4.05	46.01	186	98	165
	4.63	52.14			185
Khaparkheda					
Unit 1	4.69	44.59	200	190	190
Unit 2	4.52	39.83	193	184	190
Unit 3	4.72	46.22	213	190	210
Unit 4	4.38	45.26	216	153	210
	18.31	175.90			800
Nasik					
Unit 1	2.28	21.79	99	89	95
Unit 2	2.18	21.72	101	84	95
Unit 3	4.62	46.87	202	176	190
Unit 4	4.51	41.23	199	182	185
Unit 5	0.00	0.00	0	0	0
	13.59	131.61			565
Uran					
All Units	14.52	142.39	621	591	600
	14.52	142.39			600
Koyna					
Stage 1-2	3.06	20.82	335	30	460
Stage 4	3.82	23.24	720	0	250
Kovna 12&4 Total	6.89	44.06			710

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.68	9.59	240	0	240
	8.57	53.65			950
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.36	3.67	59	0	60
BHTGR/VEER	0.84	6.39	35	34	30
BHIRA T.R.	0.32	2.71	81	0	80
RNGR+BHTSA	0.35	3.17	17	2	15
BHANDARDRA	0.00	0.05	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.46	10	0	10
GHATGHAR	0.41	6.78	125	0	0
	2.34	23.23			195
PENCH (MS)					
Pench (MS)	0.07	1.67	27	0	
	0.07	1.67			
Wind					
MalharPeth	0.14	1.01			
Vankuswadi	0.41	2.98			
ATIT	0.07	0.45			
Kale	0.16	0.76			
Satara	0.16	1.12			
Shirala	0.16	0.81			
K Mahankal	0.11	0.59			
Supa	0.05	0.40			
Vita	0.50	4.76			
Dondaicha	0.00	2.92			
Sakri	0.00	0.88			
Nandurbar	0.01	0.37			
Khadakale	0.23	1.28			
Khaparale	0.03	1.20			
	2.02	19.52			
Dabhol					
RGPP L II	21.08	218.04	891	787	900
RGPP L III	0.00	0.00	0	0	
	21.08	218.04			900
Tata					
Trombay 4	0.00	1.83	0	0	0
Trombay 5	11.04	109.36	460	460	500
Trombay 6	9.86	93.72	500	170	500
Trombay 7A	2.49	26.63	125	88	120
Trombay 7B	1.49	15.50	69	56	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.58	51.03	481	0	447
	30.47	298.06			1627
REL					
1&2	12.72	127.27	533	526	500
	12.72	127.27			500
Cent Sect					
Share		0.00			2894
		0.00			2894

MS PG CL	Thermal	112.05	1171.33		4847
	Thml+Gas	126.57	1313.73		5447
	Hydro	10.91	76.88		1145
	Total	137.47	1390.60		6592
State Total		203.81	2055.16		12513

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 10/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	4693	81	617	5391	888	89	2447	3370	-40	-9	9729	1813	11542	1572	13114	49.90
2	4586	91	595	5272	888	75	2447	3339	-40	-4	9570	1853	11423	1436	12859	49.90
3	4574	81	593	5248	888	72	2447	3400	-40	-5	9603	1620	11223	1378	12601	49.96
4	4557	91	591	5239	887	71	2440	3375	-40	-9	9563	1955	11518	1362	12880	49.99
5	4576	131	591	5298	887	94	2426	3399	-40	-9	9669	2050	11719	1362	13081	49.81
6	4584	1015	611	6210	891	102	2555	3193	-40	-11	10385	2321	12706	1444	14150	49.56
7	4624	339	621	5584	891	133	3085	3325	-58	-28	9908	3247	13155	1603	14758	49.55
8	4631	87	621	5339	888	142	3084	3582	-58	-30	9948	3570	13518	1672	15190	49.63
9	4574	145	621	5340	886	116	3081	3441	-61	-43	9766	3597	13363	1883	15246	49.43
10	4663	204	619	5486	885	88	3402	3694	-314	-277	9887	3597	13484	2213	15697	49.55
11	4598	355	610	5563	881	75	3443	4291	-358	-330	10480	3305	13785	2433	16218	49.53
12	4606	434	601	5641	878	68	3487	4110	-405	-374	10323	3299	13622	2496	16118	49.55
13	4620	534	591	5745	875	100	3486	3903	-405	-351	10272	3258	13530	2431	15961	49.50
14	4614	172	600	5386	874	81	3486	4430	-405	-349	10422	3245	13667	2346	16013	49.66
15	4644	908	597	6149	869	60	3506	4103	-428	-374	10807	3510	14317	2392	16709	49.48
16	4722	698	599	6019	872	59	3505	3802	-428	-375	10377	3479	13856	2410	16266	49.54
17	4727	717	603	6047	874	71	3491	3861	-414	-363	10490	3505	13995	2393	16388	49.50
18	4768	1225	608	6601	887	84	3473	3879	-396	-339	11112	3215	14327	2364	16691	49.53
19	4814	1547	611	6972	878	80	2961	3595	-396	-395	11130	3703	14833	2514	17347	49.56
20	4739	741	606	6086	878	78	2925	4106	-358	-300	10848	3680	14528	2405	16933	49.62
21	4708	633	601	5942	880	73	2893	4384	-321	-273	11006	3402	14408	2269	16677	49.54
22	4803	218	600	5621	882	60	2898	3975	-321	-272	10266	3448	13714	2118	15832	49.75
23	4792	362	601	5755	883	62	2903	3653	-321	-267	10086	3132	13218	1898	15116	49.61
24	4792	97	607	5496	787	84	2769	3600	-252	-206	9761	2277	12038	1780	13818	49.92
MUs	112.01	10.91	14.51	137.43	21.08	2.02	72.64	89.81	-5.94	-4.99	245.41	72.08	317.49	48.17	365.66	49.65

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 10/Dec/2009

Position as on 6.30 Hrs of 11/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	15/12/2009
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	17/12/2009
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.	
Chandrapur Unit 5	500	08/12/2009	02.32	11/12/2009	03.57	Boiler T/L.	
Koradi Unit 5	200	09/12/2009	06:41	10/12/2009	15.20	I.D. Fan Problem.	
Cent_Sect Tarapur 1	80	09/12/2009	09:22		Continued.	Condenser Tube Leakage.	
Koradi Unit 5	200	10/12/2009	15.27	10/12/2009	16.42	UAT Trip.	
Koradi Unit 5	200	10/12/2009	18.56	10/12/2009	20.55	Tripped on Boiler Prob.	
Dabhol 3B	230	10/12/2009	23.34		Continued.	Combustion Chamber Inspection.	23/12/2009
Dabhol 3X	290	10/12/2009	23.35		Continued.	Combustion Chamber Inspection.	23/12/2009
Paras Unit 3	250	11/12/2009	10.39	11/12/2009	14.10	Drum Level Low.	
Koradi Unit 5	200	11/12/2009	18.15	11/12/2009	21.27	DC Supply Failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Dec/2009

Position as on 6.30 Hrs of 11/Dec/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		
Koradi-Bhilai	10/12/2009	08.50	11/12/2009	01.40	Line Maint., Relay Replacement.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Mudshingi-Ponda	06/12/2009	11.45	10/12/2009	19.35	For LILO Work @ Amona S/S.
Padgha - Boisar (PGCIL)	11/12/2009	11.03	11/12/2009	18.29	Main Bus-II outage at Padgha.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar II	09/12/2009	12:38		Continued.	H/T for O/V.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
PADGHA-KHARGHAR	08/12/2009	10.52		Continued.	Line on TBC at Kharghar end for CB overhauling work.
Kalwa-M.B -I	09/12/2009	08:08		Continued.	Installation of Isolator Scissor assembly.
400/220 KV,600 MVA ICT-I @ Kalwa	11/12/2009	10.30	11/12/2009	15.09	Taken on TBC for Isolator replacement.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
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
Theur-Phursungi-I	10/12/2009	10.26	10/12/2009	18.33	Jumpering Arrangement for Theur-Magarpatta LILO Work.
Kolhapur - Karad - II	10/12/2009	14.20	10/12/2009	17.18	DCRM Testing Work.
Talangade - Mumewadi	11/12/2009	09.18	11/12/2009	16.49	Line stringing work.
220/100kv,125MVA ICT-II at Borivali	11/12/2009	09.43	11/12/2009	11.58	To attend Hot Spot.
Kalwa-Mahape	11/12/2009	11.35	11/12/2009	19.52	For extending the existing bus.
Padgha-Kamba	11/12/2009	11.37	11/12/2009	18.57	Main Bus-II outage at Padgha.
220 KV Main Bus II at Padgha	11/12/2009	12.32	11/12/2009	19.05	Jumpering work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Solapur - Ujani	20/11/2009	09.40		Continued.	Breaker replacement
Boisar - Boisar MIDC	11/12/2009	08.38	11/12/2009	20.15	R.M.Work
Deepnagar-Khadka I	11/12/2009	08.57	11/12/2009	15.53	For interconnecting work of 132 KV diverted Deepnagar-Malkapur ckt.
Malkapur-Warangaon	11/12/2009	09.40	11/12/2009	15.52	For interconnecting work of 132 KV diverted Deepnagar-Malkapur ckt.
132KV Bus-1@Bhusawal	11/12/2009	15.31	11/12/2009	15.53	For Phasing out of 132 KV Malkapur ckt being shifted on Phekri ckt.I
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kalwa-Kalyan	11/12/2009	09.07	11/12/2009	17.03	Bay Maint. work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - II	10/12/2009	11.27	11/12/2009	13.23	Line taken in service from both ends.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Aurangabad - Bhenda	04/12/2009	18.12	11/12/2009	14.15	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.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Dec/2009

Position as on 6.30 Hrs of 11/Dec/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type TRIPPED		
Bblswr-Padgha Ckt II	11/12/2009	09.34	11/12/2009	09.51	Tripped from BBLSR end only.
Voltage Level : 220KV			Outage Type TRIPPED		
Karad - Ogalewadi - II	10/12/2009	15.50	10/12/2009	18.26	Tripped on Distanace Protection.
BBLSWR-AIEPHATA	10/12/2009	23.04	10/12/2009	23.23	Tripped on Distance Protection.
Alephata-Kathapur	10/12/2009	23.04	10/12/2009	23.35	Tripped on distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 11/Dec/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	70
Unit 4	105	0
Unit 5	200	150
Unit 6	210	150
Unit 7	210	150
	1040	660
Bhusawal		
Unit 1	58	25
Unit 2	210	180
Unit 3	210	190
	478	395
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	165
Unit 4	210	180
Unit 5	210	180
Unit 6	250	230
	940	795
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	190
Unit 4	210	200
Unit 5	500	100
Unit 6	500	425
Unit 7	500	450
	2340	1685
Paras		
Unit 2	55	25
Unit 3	250	180
	305	205
Khaparkheda		
Unit 1	210	190
Unit 2	210	190
Unit 3	210	210
Unit 4	210	160
	840	750
Nasik		
Unit 1	120	95
Unit 2	120	94
Unit 3	210	190
Unit 4	210	180
Unit 5	210	0
	870	559
Uran		
All Units	852	600
	852	600
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	30
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	195
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	600
RGPL III	740	
	1700	600
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2985
	3143	2985