



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Dec/2009

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	118.328	1412.333	1) Madhya Pradesh	70.549	810.380
2) Hydro	14.713	96.379	2) Gujrat	16.170	178.843
3) Gas	14.101	170.756	3) Goa	-5.930	-73.314
Total MSGENCO	147.142	1679.468	4) TAPS 1&2 (Inj.)	3.648	75.284
B) OTHERS			5) Pench (Excess)	0.000	-1.668
1) RGPPL Gas	14.509	247.261	# Total Cent. Sector	84.437	989.525
2) Wind Generation	3.106	26.791	F) Other Exchanges		
3) PENCH (MS)	0.000	1.668	1) With TPCL	-3.883	-50.869
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	23.583	295.885	1) MSEDCL Bilateral	6.921	63.948
2) TPCL Hydro	5.183	61.689	Include PX	6.171	41.189
TOTAL TPCL	28.766	357.574	2) MUMBAI Bilateral	5.071	60.258
3) REL Thermal	12.675	152.674	Include PX	0.021	2.863
D) STATE			3) MUMBAI Schedule	5.071	60.258
1) Thermal (A1+C1+C3)	154.586	1860.892	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	19.896	159.736	1) MSEDCL	245.311	2893.844
3) Gas (A3+B1)	28.610	418.017	2) TPCL	29.677	368.309
4) Wind (B2)	3.106	26.791	3) REL	15.664	192.793
TOTAL STATE	206.198	2465.436	TOTAL STATE	290.652	3454.946

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	4910	4935	5000
MSGENCO Hydro	954	1747	90
MSGENCO Gas	622	618	484
MSGENCO Total Generation	6486	7300	5574
Central Sector Receipt	3540	3625	3033
RGPPL	605	605	604
WIND	171	57	221
Exchange with TPCL	-275	-272	2
MSEDCL DEMAND MET	10527	11315	9434
Load Shedding	3381	3623	1706
MSEDCL DEMAND (INCL. LS)	13908	14938	11140
TPCL GENERATION	1466	1474	862
REL GENERATION	527	525	531
TPCL+REL DEMAND	2268	2271	1391
STATE DEMAND MET	12795	13586	10825
STATE DEMAND (INCL. LS)	16176	17209	12531
Frequency (Hz)	49.48	49.52	50.09
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			5287MW at 15.00Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			96.65Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.28 Hz at 03.07 Hrs	49.08 Hz at 14.45 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 12/Dec/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.46	20.31	71	0	60
Unit 2	1.74	20.13	82	62	70
Unit 3	1.66	19.37	83	42	70
Unit 4	0.00	6.17	0	0	0
Unit 5	3.80	38.78	175	134	150
Unit 6	0.19	40.15	130	0	0
Unit 7	4.00	45.92	187	141	150
	11.84	190.83			500
Bhusawal					
Unit 1	0.72	13.29	48	21	25
Unit 2	4.34	34.30	188	170	180
Unit 3	4.39	52.17	190	175	180
	9.45	99.76			385
Parli					
Unit 1	0.58	6.04	26	23	20
Unit 2	0.56	6.77	25	22	20
Unit 3	4.10	47.43	186	155	170
Unit 4	4.67	55.68	214	163	195
Unit 5	4.53	38.14	199	178	180
Unit 6	4.37	59.82	199	136	200
	18.82	213.88			785
Chandrapur					
Unit 1	3.63	43.00	155	147	160
Unit 2	3.88	44.30	169	146	160
Unit 3	3.02	44.24	172	66	120
Unit 4	4.04	46.66	190	148	200
Unit 5	10.03	87.18	454	372	450
Unit 6	9.60	93.39	450	345	425
Unit 7	9.71	118.83	431	360	450
	43.90	477.60			1965
Paras					
Unit 2	0.32	7.08	27	0	35
Unit 3	4.82	54.38	213	183	200
	5.14	61.46			235
Khaparkheda					
Unit 1	4.58	53.87	199	181	190
Unit 2	4.42	48.90	194	172	190
Unit 3	2.01	53.31	209	0	210
Unit 4	4.99	54.50	214	190	210
	16.01	210.58			800
Nasik					
Unit 1	2.29	26.35	99	92	91
Unit 2	2.08	25.97	91	80	91
Unit 3	4.07	55.50	204	0	172
Unit 4	4.72	50.41	210	180	172
Unit 5	0.00	0.00	0	0	0
	13.16	158.23			526
Uran					
All Units	14.10	170.76	660	480	600
	14.10	170.76			600
Koyna					
Stage 1-2	2.08	24.15	225	30	460
Stage 4	7.58	31.44	1080	0	250
Koyna 12&4 Total	9.66	55.59			710

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.86	11.80	240	0	240
	11.52	67.39			950
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.36	4.40	60	0	60
BHTGR/VEER	1.04	8.32	44	43	30
BHIRA T.R.	0.28	3.32	42	0	80
RNGR+BHTSA	0.30	3.80	15	12	15
BHANDARDRA	0.00	0.05	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.56	10	0	10
GHATGHAR	1.14	8.54	120	0	0
	3.19	28.99			195
PENCH (MS)					
Pench (MS)	0.00	1.67	0	0	
	0.00	1.67			
Wind					
MalharPeth	0.23	1.70			
Vankuswadi	0.69	4.53			
ATIT	0.12	0.92			
Kale	0.19	1.27			
Satara	0.35	1.80			
Shirala	0.19	1.32			
K Mahankal	0.01	0.68			
Supa	0.08	0.58			
Vita	0.51	6.04			
Dondaicha	0.17	3.09			
Sakri	0.04	0.92			
Nandurbar	0.02	0.39			
Khadakale	0.27	1.88			
Khaparale	0.25	1.67			
	3.11	26.79			
Dabhol					
RGPP L II	14.51	247.26	605	604	600
RGPP L III	0.00	0.00	0	0	
	14.51	247.26			600
Tata					
Trombay 4	0.00	1.83	0	0	0
Trombay 5	11.17	132.02	475	460	500
Trombay 6	8.18	111.74	440	180	500
Trombay 7A	2.68	31.75	125	88	120
Trombay 7B	1.55	18.53	69	58	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.18	61.69	481	0	447
	28.77	357.57			1627
REL					
1&2	12.68	152.67	531	519	500
	12.68	152.67			500
Cent Sect					
Share		0.00			2819
		0.00			2819

MS PG CL	Thermal	118.33	1412.33		5196
	Thml+Gas	132.43	1583.09		5796
	Hydro	14.71	96.38		1145
	Total	147.14	1679.47		6941
State Total		206.20	2465.44		12487

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/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	5193	85	480	5758	604	168	2394	3066	-43	-2	9594	1918	11512	1593	13105	49.86
2	5124	85	482	5691	604	213	2395	2996	-43	1	9505	1956	11461	1488	12949	50.03
3	5000	90	484	5574	604	221	2396	3033	-43	2	9434	1706	11140	1391	12531	50.09
4	4930	90	506	5526	604	220	2397	3034	-43	5	9389	1994	11383	1357	12740	50.08
5	4940	90	540	5570	604	226	2446	3111	-43	-1	9510	2101	11611	1363	12974	49.94
6	4966	105	491	5562	604	230	2445	3525	-43	-2	9919	2359	12278	1416	13694	49.69
7	5018	95	549	5662	604	227	2982	3169	-67	-22	9640	3243	12883	1522	14405	49.83
8	5085	115	640	5840	604	202	2981	3135	-67	-23	9758	3498	13256	1579	14835	49.54
9	5113	144	660	5917	604	158	2982	3134	-70	-3	9810	3584	13394	1730	15124	49.49
10	4933	507	649	6089	604	164	3266	3660	-285	-237	10280	3563	13843	2070	15913	49.55
11	4750	1003	636	6389	604	189	3342	3605	-329	-283	10504	3250	13754	2220	15974	49.55
12	4910	954	622	6486	605	171	3350	3540	-329	-275	10527	3381	13908	2268	16176	49.48
13	4935	646	619	6200	605	96	3682	3823	-329	-276	10448	3330	13778	2264	16042	49.54
14	4868	794	617	6279	605	67	3424	4082	-329	-272	10761	3358	14119	2147	16266	49.54
15	4801	1088	618	6507	605	42	3371	3918	-329	-273	10799	3445	14244	2138	16382	49.43
16	4856	591	617	6064	605	37	3250	4085	-329	-272	10519	3295	13814	2144	15958	49.53
17	4855	997	604	6456	605	38	3250	3884	-329	-277	10706	3263	13969	2115	16084	49.53
18	4881	1417	616	6914	605	69	3253	3691	-329	-274	11005	3040	14045	2130	16175	49.47
19	4935	1747	618	7300	605	57	2826	3625	-329	-272	11315	3623	14938	2271	17209	49.52
20	4909	1672	612	7193	605	46	2839	3338	-329	-274	10908	3674	14582	2296	16878	49.54
21	4905	1495	613	7013	605	58	2846	3433	-329	-292	10817	3360	14177	2220	16397	49.51
22	4899	644	614	6157	605	70	2901	3598	-329	-289	10141	3371	13512	2042	15554	49.75
23	4825	175	616	5616	605	70	2873	3879	-241	-189	9981	3097	13078	1850	14928	49.62
24	4686	85	602	5373	605	68	2642	4065	-128	-83	10028	2331	12359	1710	14069	49.87
MUs	118.32	14.71	14.10	147.14	14.51	3.11	70.53	84.43	-5.07	-3.88	245.30	71.74	317.04	45.32	362.36	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 12/Dec/2009

Position as on 6.30 Hrs of 13/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.	
Koradi Unit 4	115	04/12/2009	20.31	13/12/2009	18.48	Boiler T/L.	
Cent_Sect Tarapur 1	80	09/12/2009	09:22		Continued.	Condenser Tube Leakage.	
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
Cent_Sect NTPC(K-4)	500	11/12/2009	18.57	12/12/2009	20.33	Boiler T/L.	
Koradi Unit 6	210	12/12/2009	01.40		Continued.	Boiler T/L	15/12/2009
Koradi Unit 1	105	12/12/2009	07.51		Continued.	Reheater Tube Leakage.	14/12/2009
Nasik Unit 3	210	12/12/2009	09.20	12/12/2009	10.20	Oil Leakage.	
Khaparkheda Unit 3	210	12/12/2009	09.54	13/12/2009	19.28	Boiler Tube Leakage.	
Paras Unit 2	55	12/12/2009	12.09		Continued.	Condenser Tube Leakage.	14/12/2009
Nasik Unit 3	210	12/12/2009	23.00		Continued.	Condenser Tube Leakage.	14/12/2009
Koyna ST - IV 4	250	13/12/2009	08.25		Continued.	Mechanical work	14/12/2009

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

Position as on 6.30 Hrs of 13/Dec/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar II	09/12/2009	12:38		Continued.	H/T for O/V.
Akola - Aurangabad - I	11/12/2009	14.04	13/12/2009	22.59	H/T To control ICT loading at BBLR
Akola-Aurangabad-II	13/12/2009	17.50		Continued.	Leakage in B phase Reactor at Akola end
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.
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	12/12/2009	13.20	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
220/33 KV,100 MVA ICT-IV at Aarey	12/12/2009	08.59	12/12/2009	17.41	R.M.Work.
Nasik-Bablsr Ckt II	12/12/2009	09.21	12/12/2009	14.55	Q.M.Work.
220/33 KV,100 MVA T/F at Walve.	12/12/2009	10.00	12/12/2009	14.35	Quarterly Maintenance work of CT.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Solapur - Ujani	20/11/2009	09.40		Continued.	Breaker replacement
Main Bus - I at Ambazari	13/12/2009	09.09	13/12/2009	15.36	Bus Isolator Jumpering work for new ICT
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Lonikand-Karad	12/12/2009	17:55		Continued.	Line taken on TBC at Lonikand end for B ph CB pole replacement
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Lonikand-Karad	12/12/2009	16.28	12/12/2009	17.55	Line taken on TBC at Lonikand end.B Ph.pole of CB burst.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Aurangabad - Bhenda	12/12/2009	09.39		Continued.	H/T at A'Bad 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 - Muktainagar	06/12/2009	12.35	13/12/2009	15.17	H/T for diversion 132KV Deepnagar-Malkapur I&II
Voltage Level : 400KV			Outage Type TRIPPED		
Bhusawal- Aurangabad	09/12/2009	19:02	12/12/2009	09.30	Tripped on O/V.
Bhusawal- Aurangabad	12/12/2009	20.56	13/12/2009	18.31	Line was in service at Aurangabad end only.Tripped on over voltage.
STG IV-New Koyna-II	12/12/2009	20.57	12/12/2009	21.30	Tripped on over voltage.
400/220KV 315MVA ICT-III at Padgha	13/12/2009	20.06	13/12/2009	20.15	NDR protection operated

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/Dec/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	70
Unit 3	105	75
Unit 4	105	0
Unit 5	200	160
Unit 6	210	0
Unit 7	210	180
	1040	485
Bhusawal		
Unit 1	58	50
Unit 2	210	180
Unit 3	210	180
	478	410
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	160
Unit 4	210	195
Unit 5	210	180
Unit 6	250	200
	940	775
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	180
Unit 4	210	200
Unit 5	500	425
Unit 6	500	400
Unit 7	500	450
	2340	1975
Paras		
Unit 2	55	0
Unit 3	250	210
	305	210
Khaparkheda		
Unit 1	210	190
Unit 2	210	190
Unit 3	210	0
Unit 4	210	210
	840	590
Nasik		
Unit 1	120	95
Unit 2	120	90
Unit 3	210	0
Unit 4	210	195
Unit 5	210	0
	870	380
Uran		
All Units	852	620
	852	620
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	40
BHIRA T.R.	80	80
RNGR+BHTSA	20	9
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	199
PENCH (MS)		
Pench (MS)	53	0
	53	0
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	570
RGPPPL III	740	
	1700	570
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	90
Trombay 7B	60	90
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2826
	3143	2826

	17616	12117
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