



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Dec/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Dec/2009 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.761	2390.741	1) Madhya Pradesh	63.777	1331.869
2) Hydro	4.800	165.009	2) Gujrat	17.886	356.740
3) Gas	15.491	291.607	3) Goa	-5.806	-123.922
Total MSGENCO	143.052	2847.357	4) TAPS 1&2 (Inj.)	3.651	104.277
B) OTHERS			5) Pench (Excess)	0.000	-1.668
1) RGPPL Gas	15.299	367.395	# Total Cent. Sector	79.508	1667.296
2) Wind Generation	4.440	49.634	F) Other Exchanges		
3) PENCH (MS)	0.000	1.668	1) With TPCL	-1.098	-80.830
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	26.094	499.016	1) MSEDCL Bilateral	6.132	116.417
2) TPCL Hydro	0.599	95.563	Include PX	1.197	64.235
TOTAL TPCL	26.693	594.579	2) MUMBAI Bilateral	1.722	97.021
3) REL Thermal	12.535	254.188	Include PX	0.000	5.057
D) STATE			3) MUMBAI Schedule	1.722	97.021
1) Thermal (A1+C1+C3)	161.390	3143.945	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	5.399	262.240	1) MSEDCL	241.201	4852.520
3) Gas (A3+B1)	30.790	659.002	2) TPCL	26.118	609.726
4) Wind (B2)	4.440	49.634	3) REL	14.208	319.837
TOTAL STATE	202.019	4114.821	TOTAL STATE	281.527	5782.083

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	5051	5245	5003
MSGENCO Hydro	413	229	104
MSGENCO Gas	637	644	653
MSGENCO Total Generation	6101	6118	5760
Central Sector Receipt	3564	4021	2790
RGPPL	631	638	644
WIND	203	184	221
Exchange with TPCL	-41	-95	-29
MSEDCL DEMAND MET	10458	10866	9386
Load Shedding	2954	3100	1664
MSEDCL DEMAND (INCL. LS)	13412	13966	11050
TPCL GENERATION	1240	1321	904
REL GENERATION	517	529	519
TPCL+REL DEMAND	1798	1945	1452
STATE DEMAND MET	12256	12811	10838
STATE DEMAND (INCL. LS)	15210	15911	12502
Frequency (Hz)	49.61	49.91	50.06
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4015 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			75.78 MUS

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.42 Hz at 21.56 Hrs	49.11 Hz at 08.24 Hrs	49.82	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 20/Dec/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.74	27.72	79	64	70
Unit 2	1.69	33.48	76	61	70
Unit 3	1.30	30.10	80	28	75
Unit 4	1.46	13.22	79	28	75
Unit 5	4.00	70.62	176	160	170
Unit 6	2.84	43.00	158	34	60
Unit 7	4.15	79.21	181	158	180
	17.17	297.34			700
Bhusawal					
Unit 1	1.28	22.08	58	50	52
Unit 2	4.06	68.06	179	157	180
Unit 3	4.39	87.34	188	178	190
	9.73	177.48			422
Parli					
Unit 1	0.57	10.56	25	22	23
Unit 2	0.27	10.89	22	0	18
Unit 3	0.30	75.51	168	0	0
Unit 4	4.84	93.49	212	184	200
Unit 5	4.14	72.46	186	149	180
Unit 6	5.05	98.17	227	186	200
	15.16	361.09			621
Chandrapur					
Unit 1	3.57	71.72	153	142	160
Unit 2	3.66	74.14	164	133	160
Unit 3	3.62	71.88	170	111	175
Unit 4	3.82	77.29	184	144	160
Unit 5	10.15	168.41	447	387	450
Unit 6	9.90	171.82	440	385	400
Unit 7	9.56	198.38	430	355	450
	44.29	833.64			1955
Paras					
Unit 2	0.61	10.16	27	24	25
Unit 3	2.61	91.40	135	95	115
	3.22	101.56			140
Khaparkheda					
Unit 1	4.60	90.62	204	182	190
Unit 2	4.58	85.01	200	180	190
Unit 3	4.61	86.83	213	182	210
Unit 4	4.88	93.60	214	186	210
	18.68	356.06			800
Nasik					
Unit 1	2.38	44.85	104	92	100
Unit 2	2.40	44.00	106	92	100
Unit 3	4.96	85.90	214	202	207
Unit 4	4.78	88.83	205	193	197
Unit 5	0.00	0.00	0	0	0
	14.50	263.58			604
Uran					
All Units	15.49	291.61	665	626	650
	15.49	291.61			650
Koyna					
Stage 1-2	1.30	37.33	280	20	460
Stage 4	0.26	54.50	155	0	250
Kovna 12&4 Total	1.56	91.82			710

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.10	19.39	74	0	240
	1.66	111.22			950
Hydro					
KDPH	0.32	0.32	19	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.37	7.56	60	0	60
BHTGR/VEER	1.30	18.13	54	54	42
BHIRA T.R.	0.24	5.38	41	0	42
RNGR+BHTSA	0.36	6.63	15	15	15
BHANDARDRA	0.00	0.05	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	1.03	10	0	10
GHATGHAR	0.50	14.71	125	0	0
	3.14	53.79			169
PENCH (MS)					
Pench (MS)	0.00	1.67	0	0	
	0.00	1.67			
Wind					
MalharPeth	0.22	2.77			
Vankuswadi	0.40	7.39			
ATIT	0.16	1.45			
Kale	0.16	2.15			
Satara	0.19	3.19			
Shirala	0.18	2.14			
K Mahankal	0.08	1.11			
Supa	0.10	1.09			
Vita	0.90	11.84			
Dondaicha	0.97	7.31			
Sakri	0.31	1.59			
Nandurbar	0.08	0.83			
Khadakale	0.25	3.55			
Khaparale	0.44	3.25			
	4.44	49.63			
Dabhol					
RGPP L II	15.30	367.40	646	621	573
RGPP L III	0.00	0.00	0	0	
	15.30	367.40			573
Tata					
Trombay 4	0.00	1.83	0	0	0
Trombay 5	12.00	227.31	500	500	500
Trombay 6	8.96	185.72	510	150	500
Trombay 7A	2.25	51.95	106	83	120
Trombay 7B	1.43	30.58	62	58	60
Trombay 8	1.45	1.63	95	0	150
TATA Hydro	0.60	95.56	162	0	447
	26.69	594.58			1777
REL					
1&2	12.54	254.19	532	511	500
	12.54	254.19			500
Cent Sect					
Share		0.00			2678
		0.00			2678

MS PG CL	Thermal	122.76	2390.74		5242
	Thml+Gas	138.25	2682.35		5892
	Hydro	4.80	165.01		1119
	Total	143.05	2847.36		7011
State Total		202.02	4114.82		12539

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/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	5138	104	651	5893	640	188	2395	2731	-44	-16	9436	1815	11251	1636	12887	49.83
2	5132	104	652	5888	643	162	2395	2725	-44	-22	9396	1859	11255	1494	12749	49.97
3	5003	104	653	5760	644	221	2395	2790	-44	-29	9386	1664	11050	1452	12502	50.06
4	5003	104	654	5761	642	222	2395	2630	-44	-18	9237	1983	11220	1396	12616	49.94
5	5018	104	655	5777	643	236	2395	2882	-44	-27	9511	2097	11608	1398	13006	49.81
6	5068	99	656	5823	643	270	2556	2805	-44	-27	9514	2334	11848	1450	13298	49.77
7	5115	99	664	5878	646	267	3054	2656	-44	-24	9423	2909	12332	1523	13855	49.90
8	5140	117	665	5922	643	252	3048	3096	-44	-26	9887	3152	13039	1513	14552	49.70
9	5123	139	660	5922	640	224	3001	2988	-48	-28	9746	3323	13069	1541	14610	49.49
10	5082	271	656	6009	639	195	3068	3043	-61	-40	9846	3204	13050	1659	14709	49.63
11	5045	528	646	6219	634	215	3079	3449	-61	-42	10475	2890	13365	1742	15107	49.53
12	5051	413	637	6101	631	203	3074	3564	-61	-41	10458	2954	13412	1798	15210	49.61
13	5040	593	626	6259	621	128	3077	3530	-61	-31	10507	2906	13413	1773	15186	49.45
14	5073	477	628	6178	623	98	3080	3721	-61	-31	10589	2970	13559	1724	15283	49.65
15	5122	183	630	5935	625	90	3080	3599	-61	-31	10218	3037	13255	1720	14975	49.87
16	5145	112	629	5886	633	83	3080	3695	-61	-30	10267	2963	13230	1697	14927	49.86
17	5124	113	634	5871	634	92	3080	3754	-61	-30	10321	2927	13248	1673	14921	49.94
18	5122	141	638	5901	637	124	3148	4197	-130	-97	10762	2579	13341	1736	15077	49.86
19	5124	222	643	5989	639	160	2722	4069	-130	-95	10762	3012	13774	1948	15722	49.97
20	5245	229	644	6118	638	184	2736	4021	-130	-95	10866	3100	13966	1945	15911	49.91
21	5253	205	641	6099	638	212	2737	3820	-130	-93	10676	2821	13497	1954	15451	49.85
22	5187	118	642	5947	640	210	2739	3531	-130	-101	10227	2844	13071	1935	15006	50.08
23	5227	113	647	5987	640	202	2744	3182	-130	-103	9908	2933	12841	1872	14713	49.87
24	5181	108	640	5929	643	202	2673	3030	-61	-21	9783	2115	11898	1747	13645	50.17
MUs	122.76	4.80	15.49	143.05	15.30	4.44	67.75	79.51	-1.72	-1.10	241.20	64.39	305.59	40.33	345.92	49.82

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 20/Dec/2009

Position as on 6.30 Hrs of 21/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
Nasik Unit 5	210	25/11/2009	01:50		Continued.	AOH	22/12/2009
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	22/12/2009
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.	
Cent_Sect Tarapur 1	80	09/12/2009	09:22		Continued.	Condenser Tube Leakage.	20/12/2009
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(V-10)	500	19/12/2009	05:47	21/12/2009	06.15	Boiler Tube Leakage	
Parli Unit 3	210	20/12/2009	01.56		Continued.	Boiler Tube Leakage	23/12/2009
Parli Unit 2	30	20/12/2009	14.25	21/12/2009	01.34	Flame Failure.	
Tata Trombay 8	250	20/12/2009	19.01	20/12/2009	22.25	Turbine Trip.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Dec/2009

Position as on 6.30 Hrs of 21/Dec/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	16/12/2009	13:00		Continued.	H/T.
Kolhapur-Mapusa-II	19/12/2009	23.50		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Akola-Aurangabad--II	17/12/2009	04.01		Continued.	Tripped On O/V.
DHULE-SAR'SAROVAR-I	17/12/2009	17.08		Continued.	Tower 3 and 4 Collapsed.
Dhule-Sar'Sarovar II	17/12/2009	22:33		Continued.	Tower 3 and 4 Collapsed.
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.
Padgha-Lonikhand	19/12/2009	10.25		Continued.	LILO work at Chakan
Koradi - Akola	20/12/2009	07.57	20/12/2009	09.59	Regularisation of Cables.
New Koyna - Karad - I	20/12/2009	15.30	20/12/2009	16.37	For SF6 Gas Refilling.,Line on TBC.
Karad-Lonikand.	21/12/2009	05.14		Continued.	80 MVR Reactor Commissioning @ Karad end.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT- II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Bus Section-III at Nasik GCR	17/12/2009	10.55		Continued.	Replacement of Breaker
220/100 125 MVA ICT - II @ Trombay	19/12/2009	00.27		Continued.	Kept on Humming from HV side
PEDAMBE-TAMBATI	20/12/2009	08.15	20/12/2009	16.40	C.T.Meggering Work.
KALWA-SALSETE-III	20/12/2009	09.03	20/12/2009	22.40	Conductor Replacement Work.
220 KV Main Bus - II @ 400 KV Kalwa	20/12/2009	09.20		Continued.	Replacement of PT's Under LES & Maint.Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Solapur - Ujani	20/11/2009	09.40		Continued.	Breaker replacement
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Dhule - Babhaleshwar - I	18/12/2009	23.14		Continued.	To attend Main CB compressor air leakage,taken on TBC
Voltage Level : 132KV			Outage Type FORCED OUTAGE		
25 MVA 132/66 KV ICT @ Paras	20/12/2009	18.59	20/12/2009	19.09	To Attend Hot Glow on R ph Isolator.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Main Bus-I at Dhule	17/12/2009	19.22		Continued.	H/T for isolating Bus-I at Dhule
Bus Coupler at Dhule	17/12/2009	19.22		Continued.	H/T for Isolating Bus-I at Dhule
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 TRIPPED		
Giravali-Gangakhed	20/12/2009	00.08	20/12/2009	00.19	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Dec/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	55
Unit 4	105	60
Unit 5	200	160
Unit 6	210	160
Unit 7	210	170
	1040	745
Bhusawal		
Unit 1	58	52
Unit 2	210	165
Unit 3	210	190
	478	407
Parli		
Unit 1	30	23
Unit 2	30	23
Unit 3	210	0
Unit 4	210	200
Unit 5	210	175
Unit 6	250	220
	940	641
Chandrapur		
Unit 1	210	155
Unit 2	210	160
Unit 3	210	170
Unit 4	210	170
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	2005
Paras		
Unit 2	55	25
Unit 3	250	235
	305	260
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	200
Unit 4	210	200
Unit 5	210	0
	870	600
Uran		
All Units	852	650
	852	650
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	19
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	40
BHIRA T.R.	80	41
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	15
	611	200
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	580
RGPL III	740	
	1700	580
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	150
TATA Hydro	444	447
	2024	1777
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2933
	3143	2933

	17616	13048
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