



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Dec/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 28/Dec/2009 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.965	3402.532	1) Madhya Pradesh	60.366	1828.313
2) Hydro	5.873	209.412	2) Gujrat	18.238	500.002
3) Gas	15.114	410.602	3) Goa	-6.360	-174.258
Total MSGENCO	146.952	4022.546	4) TAPS 1&2 (Inj.)	3.665	133.424
B) OTHERS			5) Pench (Excess)	-0.218	-2.797
1) RGPPL Gas	22.649	519.532	# Total Cent. Sector	75.691	2284.684
2) Wind Generation	1.254	75.263	F) Other Exchanges		
3) PENCH (MS)	0.218	2.797	1) With TPCL	-3.680	-106.786
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	21.454	699.610	1) MSEDCL Bilateral	3.641	164.461
2) TPCL Hydro	2.011	117.749	Include PX	0.000	69.608
TOTAL TPCL	23.465	817.359	2) MUMBAI Bilateral	4.969	130.154
3) REL Thermal	12.733	355.867	Include PX	-0.008	4.876
D) STATE			3) MUMBAI Schedule	4.969	130.154
1) Thermal (A1+C1+C3)	160.152	4458.009	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	8.102	329.958	1) MSEDCL	243.084	6798.036
3) Gas (A3+B1)	37.763	930.134	2) TPCL	26.418	840.312
4) Wind (B2)	1.254	75.263	3) REL	13.458	439.652
TOTAL STATE	207.271	5793.364	TOTAL STATE	282.960	8078.000

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5218	5273	5157
MSGENCO Hydro	389	1142	99
MSGENCO Gas	634	624	613
MSGENCO Total Generation	6241	7039	5869
Central Sector Receipt	3881	3554	2140
RGPPL	950	956	928
WIND	63	44	32
Exchange with TPCL	-265	-287	36
MSEDCL DEMAND MET	10897	11316	9005
Load Shedding	3383	3585	20
MSEDCL DEMAND (INCL. LS)	14280	14901	9025
TPCL GENERATION	1233	1240	685
REL GENERATION	530	530	531
TPCL+REL DEMAND	2028	2057	1180
STATE DEMAND MET	12925	13373	10185
STATE DEMAND (INCL. LS)	16308	16958	10205
Frequency (Hz)	49.47	49.63	50.21
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4582 MW At 19.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			70.34 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.43 Hz at 03.05 Hrs	49.03 Hz at 18.09 Hrs	49.78	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 28/Dec/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.94	42.79	88	72	80
Unit 2	0.00	41.22	0	0	0
Unit 3	1.19	36.77	56	40	60
Unit 4	1.54	21.23	82	38	75
Unit 5	3.48	100.78	162	121	150
Unit 6	3.66	74.20	164	136	130
Unit 7	3.52	111.78	155	130	150
	15.33	428.77			645
Bhusawal					
Unit 1	1.18	30.42	52	46	50
Unit 2	4.23	102.02	187	161	170
Unit 3	4.35	122.72	190	174	190
	9.76	255.16			410
Parli					
Unit 1	0.55	15.00	24	22	23
Unit 2	0.56	15.06	25	22	23
Unit 3	3.61	101.06	158	137	155
Unit 4	4.86	130.66	210	196	200
Unit 5	4.33	106.56	186	172	190
Unit 6	5.77	141.30	251	228	250
	19.70	509.64			841
Chandrapur					
Unit 1	3.47	99.97	153	129	160
Unit 2	3.68	102.22	160	138	160
Unit 3	4.31	104.19	195	148	190
Unit 4	3.98	110.06	191	131	180
Unit 5	10.16	249.26	437	412	450
Unit 6	10.14	250.65	450	401	450
Unit 7	10.16	279.66	455	395	450
	45.89	1196.01			2040
Paras					
Unit 2	1.03	18.72	46	37	40
Unit 3	3.16	127.54	210	105	120
	4.19	146.25			160
Khaparkheda					
Unit 1	4.66	119.64	207	161	190
Unit 2	4.58	121.66	200	181	190
Unit 3	5.01	127.00	219	190	210
Unit 4	5.09	132.45	215	208	210
	19.33	500.74			800
Nasik					
Unit 1	2.08	62.86	96	74	85
Unit 2	0.00	51.88	0	0	0
Unit 3	4.97	124.77	210	201	190
Unit 4	4.71	126.45	207	181	180
Unit 5	0.00	0.00	0	0	0
	11.77	365.96			455
Uran					
All Units	15.11	410.60	666	612	650
	15.11	410.60			650
Koyna					
Stage 1-2	1.66	48.64	335	25	600
Stage 4	0.41	59.02	362	0	250
Koyna 12&4 Total	2.07	107.66			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.33	23.23	126	0	240
	2.40	130.89			1090
Hydro					
KDPH	0.00	2.07	0	0	0
VTRNA	0.00	0.00	0	0	50
TILLARI	0.32	10.37	60	0	60
BHTGR/VEER	0.46	25.60	19	19	17
BHIRA T.R.	0.04	6.53	33	0	40
RNGR+BHTSA	0.29	9.27	15	0	15
BHANDARDRA	0.64	2.08	49	14	17
ELDARY	0.26	0.56	12	8	10
PAITHAN	0.06	1.20	10	0	0
GHATGHAR	1.41	20.85	125	0	0
	3.47	78.53			209
PENCH (MS)					
Pench (MS)	0.22	2.80	27	0	0
	0.22	2.80			0
Wind					
MalharPeth	0.05	4.21			
Vankuswadi	0.19	10.79			
ATIT	0.03	2.28			
Kale	0.05	3.37			
Satara	0.11	4.58			
Shirala	0.07	3.45			
K Mahankal	0.01	1.88			
Supa	0.04	1.61			
Vita	0.38	17.46			
Dondaicha	0.09	12.05			
Sakri	0.00	2.30			
Nandurbar	0.06	1.44			
Khadakale	0.13	5.11			
Khaparale	0.04	4.72			
	1.25	75.26			
Dabhol					
RGPP L II	22.65	519.53	956	925	950
RGPP L III	0.00	0.00	0	0	0
	22.65	519.53			950
Tata					
Trombay 4	0.00	1.83	0	0	0
Trombay 5	9.49	312.42	500	200	500
Trombay 6	3.74	237.20	200	150	500
Trombay 7A	2.95	73.28	130	118	120
Trombay 7B	1.62	42.98	69	65	60
Trombay 8	3.65	31.90	160	150	150
TATA Hydro	2.01	117.75	247	0	447
	23.46	817.36			1777
REL					
1&2	12.73	355.87	533	529	500
	12.73	355.87			500
Cent Sect					
Share		0.00			3210
		0.00			3210

MS PG CL	Thermal	125.96	3402.53		5351
	Thml+Gas	141.08	3813.13		6001
	Hydro	5.87	209.41		1299
	Total	146.95	4022.55		7300
State Total		207.27	5793.36		13737

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/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	5147	108	612	5867	927	33	2616	2345	-56	7	9179	1109	10288	1309	11597	49.98
2	5160	99	613	5872	929	34	2616	2152	-56	15	9002	1092	10094	1202	11296	50.12
3	5163	99	614	5876	927	32	2616	2180	-56	20	9035	643	9678	1195	10873	50.12
4	5157	99	613	5869	928	32	2616	2140	-56	36	9005	20	9025	1180	10205	50.21
5	5161	99	631	5891	933	36	2616	2239	-56	37	9136	992	10128	1178	11306	50.04
6	5211	94	666	5971	932	39	2565	2669	-56	-3	9617	2038	11655	1222	12877	49.92
7	5214	99	649	5962	934	39	2790	2718	-56	-3	9660	2913	12573	1256	13829	50.01
8	5273	94	650	6017	941	42	2790	2978	-56	-9	9996	3194	13190	1371	14561	49.70
9	5276	134	650	6060	943	40	2590	3114	-59	-6	10178	3564	13742	1579	15321	49.58
10	5294	174	643	6111	947	57	3078	3378	-275	-218	10301	3569	13870	1894	15764	49.58
11	5267	291	640	6198	949	67	3247	3449	-320	-268	10422	3235	13657	2022	15679	49.61
12	5218	389	634	6241	950	63	3240	3881	-320	-265	10897	3383	14280	2028	16308	49.47
13	5182	263	630	6075	954	57	3243	3829	-321	-288	10645	3362	14007	2019	16026	49.53
14	5188	213	619	6020	955	53	3243	4054	-321	-293	10789	3379	14168	1943	16111	49.71
15	5166	208	618	5992	954	73	3242	3618	-321	-291	10346	3495	13841	1940	15781	49.71
16	5193	210	618	6021	955	84	3236	3780	-321	-292	10548	3476	14024	1907	15931	49.75
17	5231	201	619	6051	956	86	3237	3829	-321	-286	10636	3464	14100	1901	16001	49.69
18	5262	302	621	6185	955	71	3240	4049	-312	-267	10993	3061	14054	1893	15947	49.58
19	5273	1142	624	7039	956	44	3134	3554	-321	-287	11316	3585	14901	2057	16958	49.63
20	5324	625	624	6573	954	49	3217	3636	-321	-286	10953	3623	14576	2036	16612	49.68
21	5383	561	627	6571	952	60	3211	3460	-321	-259	10794	3389	14183	1904	16087	49.62
22	5419	173	631	6223	948	58	3066	3219	-321	-258	10190	3429	13619	1797	15416	49.81
23	5433	98	632	6163	945	52	2969	2781	-231	-163	9778	3154	12932	1604	14536	49.76
24	5370	98	636	6104	925	59	2790	2639	-118	-53	9674	2185	11859	1441	13300	50.02
MUs	125.96	5.87	15.11	146.95	22.65	1.26	71.21	75.69	-4.97	-3.68	243.09	65.35	308.44	39.88	348.32	49.78

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 28/Dec/2009

Position as on 6.30 Hrs of 29/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	29/12/2009	19:50	AOH	
Koyna Unit 10	80	06/12/2009	11.00		Continued.	Retrofitting of Excitation System.	06/01/2010
FORCED OUTAGE							
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.	31/12/2009
Dabhol 3B	230	10/12/2009	23.34		Continued.	Combustion Chamber Inspection.	30/12/2009
Dabhol 3X	290	10/12/2009	23.35		Continued.	Combustion Chamber Inspection.	30/12/2009
Nasik Unit 2	125	27/12/2009	21.50		Continued.	Boiler Tube Leakage	30/12/2009
Uran Unit 5	108	29/12/2009	07:20	29/12/2009	14:47	Filter Replacement Work.	
Khaparkheda Unit 2	210	29/12/2009	10:32		Continued.	Tripped on Flame Failure.	30/12/2009
Bhusawal Unit 3	210	29/12/2009	12:57	29/12/2009	15:54	Auxiliary Ac Supply Failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Dec/2009

Position as on 6.30 Hrs of 29/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		
Nasik-Navsari -II	28/12/2009	09.07	28/12/2009	18.05	preventive maint.work at Navsari end
Nasik-Navsari-I	29/12/2009	09:28	29/12/2009	18:30	Line Maintenance Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	16/12/2009	13:00		Continued.	H/T.
Voltage Level : 400KV			Outage Type TRIPPED		
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-Lonikand	19/12/2009	10.25	29/12/2009	20.21	LILO work at Chakan
Dhabhol - N' Thone - I	28/12/2009	09.01	28/12/2009	18.36	cold washing work
Main Breaker of ICT-II at C'PUR	28/12/2009	12.13		Continued.	Main Breaker replacement,ICT on TBC
Lonikhand - Chakan	29/12/2009	00:00	29/12/2009	19:25	New line.
Padghe - Chakan	29/12/2009	00:00	29/12/2009	19:45	New Line.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Padghe - Nashik - II	25/12/2009	08.50		Continued.	Errection of tower
Padghe - Jindal	25/12/2009	09.11		Continued.	Errection of Tower
220/132KV 100MVA ICT-II at Parli-II	26/12/2009	09.10		Continued.	Replacement of H.V./L.V.Breaker
Talandge-MIDC Kagal	28/12/2009	09.16	28/12/2009	17.28	Q.M.Work
Karad-Wathar	28/12/2009	09.25	28/12/2009	17.44	Line maint.work
Koradi-Butibori	28/12/2009	11.24	28/12/2009	16.25	Bay maint.work
220/132 KV 150MVA ICT at Nanded	28/12/2009	11.53		Continued.	HV Breaker replacement,ICT on TBC
Lonikand-Ranjangaon	28/12/2009	12.45		Continued.	Taken on TBC For CB Replacement at Lonikand end.
Mudshingi - Karad - IV	29/12/2009	08:25	29/12/2009	17:53	Line Maintenance Work.
Kalwa - Khargar	29/12/2009	09:39	29/12/2009	13:02	For Attending Hot Spot.
K'gaon-ONGC	29/12/2009	13:15	29/12/2009	18:50	Isolator Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	26/12/2009	18.00		Continued.	H/T for O/V.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Aurangabad - Bhenda	12/12/2009	09.39		Continued.	H/T at A'Bad to control ICT loading
BBLSWR-AIEPHATA	28/12/2009	10.52	28/12/2009	19.51	Sparking on CT at BBLSR end
Voltage Level : 400KV			Outage Type TRIPPED		
Parli - Lamboti	29/12/2009	00.01	29/12/2009	19:20	Distance protection
Voltage Level : 220KV			Outage Type TRIPPED		
Pedambe-Mahad	28/12/2009	07.30		Continued.	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Chikhali - Buldana	28/12/2009	23.10	28/12/2009	23.25	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 29/Dec/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	0
Unit 3	105	50
Unit 4	105	70
Unit 5	200	140
Unit 6	210	140
Unit 7	210	150
	1040	630
Bhusawal		
Unit 1	58	52
Unit 2	210	180
Unit 3	210	190
	478	422
Parli		
Unit 1	30	23
Unit 2	30	23
Unit 3	210	155
Unit 4	210	200
Unit 5	210	190
Unit 6	250	240
	940	831
Chandrapur		
Unit 1	210	155
Unit 2	210	160
Unit 3	210	200
Unit 4	210	210
Unit 5	500	425
Unit 6	500	450
Unit 7	500	450
	2340	2050
Paras		
Unit 2	55	50
Unit 3	250	220
	305	270
Khaparkheda		
Unit 1	210	190
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	800
Nasik		
Unit 1	120	90
Unit 2	120	0
Unit 3	210	200
Unit 4	210	190
Unit 5	210	0
	870	480
Uran		
All Units	852	600
	852	600
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	25
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	60
ELDARY	23	15
PAITHAN	12	10
GHATGHAR	250	0
	611	225
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		
RGPL II	960	934
RGPL III	740	0
	1700	934
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	3210
	3143	3210

	17616	13819
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