



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

State Load Dispatch Center, Airoli

Daily system Report

for

26/Dec/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 26/Dec/2009 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	126.884	3149.126	1) Madhya Pradesh	60.893	1709.437
2) Hydro	4.451	199.204	2) Gujrat	18.113	464.862
3) Gas	15.569	381.251	3) Goa	-5.984	-161.887
Total MSGENCO	146.904	3729.581	4) TAPS 1&2 (Inj.)	3.647	126.098
B) OTHERS			5) Pench (Excess)	-0.123	-2.399
1) RGPPL Gas	23.077	474.026	# Total Cent. Sector	76.546	2136.111
2) Wind Generation	0.887	72.401	F) Other Exchanges		
3) PENCH (MS)	0.123	2.399	1) With TPCL	-3.497	-102.110
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	22.119	656.297	1) MSEDCL Bilateral	5.680	155.140
2) TPCL Hydro	2.865	115.738	Include PX	0.000	69.608
TOTAL TPCL	24.984	772.035	2) MUMBAI Bilateral	4.158	123.252
3) REL Thermal	12.691	330.400	Include PX	-0.161	4.884
D) STATE			3) MUMBAI Schedule	4.158	123.252
1) Thermal (A1+C1+C3)	161.694	4135.823	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	7.439	317.341	1) MSEDCL	244.040	6312.408
3) Gas (A3+B1)	38.646	855.277	2) TPCL	26.867	790.460
4) Wind (B2)	0.887	72.401	3) REL	14.304	414.040
TOTAL STATE	208.666	5380.842	TOTAL STATE	285.211	7516.908

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5234	5471	5148
MSGENCO Hydro	618	260	104
MSGENCO Gas	654	607	681
MSGENCO Total Generation	6506	6338	5933
Central Sector Receipt	3530	4089	2122
RGPPL	961	962	962
WIND	35	23	38
Exchange with TPCL	-215	-302	-9
MSEDCL DEMAND MET	10817	11133	9046
Load Shedding	3267	3513	1305
MSEDCL DEMAND (INCL. LS)	14084	14646	10351
TPCL GENERATION	1322	1292	702
REL GENERATION	527	524	530
TPCL+REL DEMAND	2064	2118	1241
STATE DEMAND MET	12881	13251	10287
STATE DEMAND (INCL. LS)	16148	16764	11592
Frequency (Hz)	49.45	49.67	50.09
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4086 MW At 20.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			67.70 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.48 Hz at 05.04 Hrs	49.22 Hz at 18.12 Hrs	49.79	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 26/Dec/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	2.06	38.85	89	80	80
Unit 2	0.00	41.22	0	0	0
Unit 3	1.54	34.05	73	48	60
Unit 4	1.14	17.83	85	0	0
Unit 5	3.86	93.67	180	142	175
Unit 6	3.94	66.74	180	154	170
Unit 7	4.08	104.48	192	140	180
	16.62	396.84			665
Bhusawal					
Unit 1	1.22	28.05	57	46	52
Unit 2	4.34	93.62	188	160	180
Unit 3	4.54	114.08	195	185	190
	10.10	235.75			422
Parli					
Unit 1	0.56	13.89	25	22	23
Unit 2	0.55	13.94	25	22	23
Unit 3	3.63	93.79	158	146	150
Unit 4	4.53	121.06	205	178	195
Unit 5	4.38	97.92	190	155	180
Unit 6	5.75	129.73	247	231	225
	19.40	470.34			796
Chandrapur					
Unit 1	3.53	92.92	152	141	155
Unit 2	3.52	94.71	164	134	160
Unit 3	3.80	95.59	188	120	200
Unit 4	3.90	101.77	184	144	180
Unit 5	9.34	229.34	417	345	425
Unit 6	9.19	230.80	415	345	450
Unit 7	9.78	259.89	455	378	450
	43.06	1105.02			2020
Paras					
Unit 2	1.11	16.59	47	45	45
Unit 3	5.12	121.48	226	128	225
	6.23	138.07			270
Khaparkheda					
Unit 1	4.70	110.32	204	188	190
Unit 2	4.54	112.53	198	176	190
Unit 3	5.03	116.96	213	194	210
Unit 4	5.09	122.92	215	209	210
	19.35	462.73			800
Nasik					
Unit 1	2.08	58.57	95	59	91
Unit 2	0.48	49.91	95	0	0
Unit 3	4.88	114.84	210	181	203
Unit 4	4.68	117.07	205	179	202
Unit 5		0.00	0	0	0
	12.12	340.38			496
Uran					
All Units	15.57	381.25	693	573	650
	15.57	381.25			650
Koyna					
Stage 1-2	1.40	45.98	155	40	600
Stage 4	0.48	58.61	278	0	250
Koyna 12&4 Total	1.89	104.59			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.05	22.32	48	0	240
	1.94	126.91			1090
Hydro					
KDPH	0.00	2.07	0	0	20
VTRNA	0.00	0.00	0	0	0
TILLARI	0.37	9.68	60	0	60
BHTGR/VEER	0.89	24.24	38	37	30
BHIRA T.R.	0.08	6.41	39	0	42
RNGR+BHTSA	0.33	8.67	15	13	12
BHANDARDRA	0.60	0.84	48	14	0
ELDARY	0.05	0.05	14	0	0
PAITHAN	0.00	1.12	0	0	0
GHATGHAR	0.19	19.22	120	0	0
	2.51	72.29			164
PENCH (MS)					
Pench (MS)	0.12	2.40	27	0	
	0.12	2.40			
Wind					
MalharPeth	0.03	4.11			
Vankuswadi	0.16	10.40			
ATIT	0.02	2.21			
Kale	0.02	3.26			
Satara	0.07	4.36			
Shirala	0.02	3.33			
K Mahankal	0.01	1.86			
Supa	0.02	1.53			
Vita	0.34	16.67			
Dondaicha	0.06	11.60			
Sakri	0.01	2.24			
Nandurbar	0.03	1.30			
Khadakale	0.07	4.84			
Khaparale	0.03	4.66			
	0.89	72.40			
Dabhol					
RGPP L II	23.08	474.03	962	961	900
RGPP L III	0.00	0.00	0	0	
	23.08	474.03			900
Tata					
Trombay 4	0.00	1.83	0	0	0
Trombay 5	10.04	293.68	500	210	500
Trombay 6	3.60	229.06	150	150	500
Trombay 7A	3.01	67.37	130	120	120
Trombay 7B	1.64	39.73	69	67	60
Trombay 8	3.83	24.63	252	145	150
TATA Hydro	2.86	115.74	326	0	447
	24.98	772.04			1777
REL					
1&2	12.69	330.40	531	524	500
	12.69	330.40			500
Cent Sect					
Share		0.00			3151
		0.00			3151

MS PG CL	Thermal	126.88	3149.13		5469
	Thml+Gas	142.45	3530.38		6119
	Hydro	4.45	199.20		1254
	Total	146.90	3729.58		7373
State Total		208.67	5380.84		13701

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 26/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	5200	109	677	5986	961	36	2597	2067	-52	-19	9031	1830	10861	1410	12271	49.95
2	5191	109	680	5980	961	35	2597	2111	-52	-12	9075	1763	10838	1321	12159	50.04
3	5171	104	679	5954	962	37	2597	2123	-52	-13	9063	1392	10455	1291	11746	50.08
4	5148	104	681	5933	962	38	2597	2122	-52	-9	9046	1305	10351	1241	11592	50.09
5	5186	109	684	5979	962	38	2600	2348	-52	-20	9314	1292	10606	1253	11859	50.06
6	5211	133	684	6028	962	37	2560	2664	-52	-23	9694	1553	11247	1276	12523	49.88
7	5289	131	685	6105	962	42	2782	2773	-52	-30	9859	2423	12282	1343	13625	49.90
8	5331	109	684	6124	962	41	2965	3314	-52	-22	10419	2797	13216	1408	14624	49.70
9	5255	128	687	6070	962	47	3009	2972	-55	-40	10011	3405	13416	1602	15018	49.81
10	5333	197	693	6223	961	40	3331	3210	-202	-194	10240	3450	13690	1889	15579	49.83
11	5237	391	666	6294	961	44	3362	3400	-247	-214	10485	3172	13657	2020	15677	49.49
12	5234	618	654	6506	961	35	3352	3530	-247	-215	10817	3267	14084	2064	16148	49.45
13	5305	232	650	6187	961	29	3351	3786	-248	-239	10724	3246	13970	2064	16034	49.63
14	5236	109	647	5992	961	29	3350	3877	-248	-238	10621	3291	13912	1927	15839	49.79
15	5149	119	642	5910	961	34	3349	4051	-248	-240	10716	3335	14051	1936	15987	49.69
16	5150	119	640	5909	961	47	3349	3736	-248	-238	10415	3222	13637	1891	15528	49.60
17	5218	104	637	5959	961	47	3349	3955	-248	-225	10697	3188	13885	1913	15798	49.66
18	5280	146	622	6048	961	42	3364	4228	-246	-241	11041	2944	13985	1927	15912	49.52
19	5437	420	608	6465	962	27	3042	3843	-224	-208	11116	3412	14528	2108	16636	49.64
20	5471	260	607	6338	962	23	3206	4089	-316	-302	11133	3513	14646	2118	16764	49.67
21	5515	303	608	6426	962	27	3210	3757	-316	-262	10937	3204	14141	2033	16174	49.68
22	5553	154	608	6315	962	34	3152	3318	-316	-263	10369	3226	13595	1909	15504	49.96
23	5472	129	573	6174	962	42	2857	2698	-227	-168	9708	3073	12781	1700	14481	49.85
24	5319	114	573	6006	962	39	2734	2582	-114	-62	9527	2215	11742	1528	13270	50.03
MUs	126.89	4.45	15.57	146.91	23.08	0.89	72.66	76.55	-4.16	-3.50	244.06	65.52	309.58	41.17	350.75	49.79

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 26/Dec/2009

Position as on 6.30 Hrs of 27/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	29/12/2009
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
Koradi Unit 4	115	23/12/2009	07.46	26/12/2009	03.19	Boiler Tube Leakage.	
Nasik Unit 2	125	23/12/2009	08.05	26/12/2009	15.35	Boiler Tube Leakage.	
Koradi Unit 2	105	25/12/2009	19.06		Continued.	Boiler Tube Leakage.	29/12/2009
Koradi Unit 4	115	26/12/2009	04.58	26/12/2009	08.39	Boiler feed pump problem.	
Nasik Unit 2	125	26/12/2009	16.45	26/12/2009	18.05	Tripped	
Nasik Unit 2	125	27/12/2009	21.50		Continued.	Boiler Tube Leakage	30/12/2009

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/Dec/2009

Position as on 6.30 Hrs of 27/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.
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.
Padgha-Tarapur CKT I	27/12/2009	18.30	27/12/2009	20.02	Distance protection
Padgha-Tarapur CKT.II	27/12/2009	18.30	27/12/2009	20.10	Distance Protection
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha-Lonikhand	19/12/2009	10.25		Continued.	LILO work at Chakan
400/220 KV,600 MVA ICT-II at Kalwa	26/12/2009	06.15	26/12/2009	10.09	R Ph. CT jumper to LV side.
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
220/33 KV,125 MVA T/F at Versova	26/12/2009	04.30	26/12/2009	08.49	Attending hot spots.
220/132KV 100MVA ICT-II at Parli-II	26/12/2009	09.10		Continued.	Replacement of H.V./L.V.Breaker
220/132 KV 150MVA ICT-II at Nasik	26/12/2009	10.08	26/12/2009	17.47	CT Replacement and Tan Delta testing
Uran - Khargar - I	26/12/2009	10.42	26/12/2009	18.07	Attending Hot Spot at Loc.No.74.
220/33KV 50MVA T/F at Chinchwad	26/12/2009	13.48	26/12/2009	16.23	For T/F maintenance work
Tata-Tie-2 at Trombay.	27/12/2009	09.56	27/12/2009	17.05	Breaker Testing work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	24/12/2009	19.07	26/12/2009	09.39	Taken in service at A'bad end only
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
Voltage Level : 400KV			Outage Type TRIPPED		
Padgha-Nagothane-II	27/12/2009	18.30	27/12/2009	19.20	Tripped at padgha end only
Voltage Level : 132KV			Outage Type TRIPPED		
Amravati - Akola	26/12/2009	06.43	26/12/2009	07.07	Distance protection operated Zone 1
Chikhali - Buldana	27/12/2009	06.20	27/12/2009	06.50	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 27/Dec/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	85
Unit 2	105	0
Unit 3	105	70
Unit 4	105	80
Unit 5	200	150
Unit 6	210	150
Unit 7	210	150
	1040	685
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	195
Unit 5	210	190
Unit 6	250	250
	940	836
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	200
Unit 4	210	180
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	2050
Paras		
Unit 2	55	45
Unit 3	250	115
	305	160
Khaparkheda		
Unit 1	210	190
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	800
Nasik		
Unit 1	120	85
Unit 2	120	92
Unit 3	210	201
Unit 4	210	202
Unit 5	210	0
	870	580
Uran		
All Units	852	580
	852	580
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	20
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	30
BHIRA T.R.	80	42
RNGR+BHTSA	20	12
BHANDARDRA	45	0
ELDARY	23	11
PAITHAN	12	0
GHATGHAR	250	0
	611	175
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		
RGPPPL II	960	900
RGPPPL III	740	
	1700	900
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	3018
	3143	3018

	17616	13573
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