



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/Dec/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/Dec/2009 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	127.441	3276.567	1) Madhya Pradesh	58.510	1767.947
2) Hydro	4.335	203.539	2) Gujrat	16.902	481.764
3) Gas	14.237	395.488	3) Goa	-6.011	-167.898
Total MSGENCO	146.013	3875.594	4) TAPS 1&2 (Inj.)	3.661	129.759
B) OTHERS			5) Pench (Excess)	-0.180	-2.579
1) RGPPL Gas	22.857	496.883	# Total Cent. Sector	72.882	2208.993
2) Wind Generation	1.608	74.009	F) Other Exchanges		
3) PENCH (MS)	0.180	2.579	1) With TPCL	-0.996	-103.106
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	21.859	678.156	1) MSEDCL Bilateral	5.680	160.820
2) TPCL Hydro	0.000	115.738	Include PX	0.000	69.608
TOTAL TPCL	21.859	793.894	2) MUMBAI Bilateral	1.933	125.185
3) REL Thermal	12.734	343.134	Include PX	0.000	4.884
D) STATE			3) MUMBAI Schedule	1.933	125.185
1) Thermal (A1+C1+C3)	162.034	4297.857	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	4.515	321.856	1) MSEDCL	242.544	6554.952
3) Gas (A3+B1)	37.094	892.371	2) TPCL	23.434	813.894
4) Wind (B2)	1.608	74.009	3) REL	12.154	426.194
TOTAL STATE	205.251	5586.093	TOTAL STATE	278.132	7795.040

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	5224	5417	5326
MSGENCO Hydro	229	559	116
MSGENCO Gas	599	604	544
MSGENCO Total Generation	6052	6580	5986
Central Sector Receipt	3819	3310	1960
RGPPL	958	963	942
WIND	90	41	59
Exchange with TPCL	-24	-94	-6
MSEDCL DEMAND MET	10895	10847	8941
Load Shedding	3331	3611	1798
MSEDCL DEMAND (INCL. LS)	14226	14458	10739
TPCL GENERATION	1081	1191	687
REL GENERATION	530	529	531
TPCL+REL DEMAND	1635	1814	1224
STATE DEMAND MET	12530	12661	10165
STATE DEMAND (INCL. LS)	15861	16272	11963
Frequency (Hz)	49.56	49.86	50.04
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4001 MW At 12.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			72.37 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.38 Hz at 15.04 Hrs	49.18 Hz at 11.26 Hrs	49.88	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 27/Dec/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	2.00	40.85	91	73	85
Unit 2	0.00	41.22	0	0	0
Unit 3	1.53	35.58	81	44	70
Unit 4	1.86	19.70	88	66	80
Unit 5	3.63	97.30	160	140	150
Unit 6	3.80	70.54	175	146	150
Unit 7	3.77	108.26	180	141	150
	16.60	413.44			685
Bhusawal					
Unit 1	1.19	29.24	57	41	52
Unit 2	4.17	97.79	183	160	180
Unit 3	4.30	118.38	188	168	190
	9.66	245.40			422
Parli					
Unit 1	0.56	14.45	24	22	23
Unit 2	0.56	14.50	24	22	23
Unit 3	3.65	97.44	162	144	155
Unit 4	4.73	125.80	209	187	195
Unit 5	4.31	102.23	189	172	190
Unit 6	5.79	135.53	249	234	250
	19.61	489.94			836
Chandrapur					
Unit 1	3.58	96.51	152	145	160
Unit 2	3.84	98.55	164	154	160
Unit 3	4.29	99.88	198	150	200
Unit 4	4.31	106.08	194	166	180
Unit 5	9.76	239.10	448	363	450
Unit 6	9.70	240.51	438	378	450
Unit 7	9.61	269.50	451	357	450
	45.10	1150.12			2050
Paras					
Unit 2	1.10	17.69	48	41	45
Unit 3	2.90	124.38	129	116	115
	3.99	142.06			160
Khaparkheda					
Unit 1	4.66	114.98	202	178	190
Unit 2	4.56	117.08	202	170	190
Unit 3	5.04	121.99	214	205	210
Unit 4	4.44	127.36	215	141	210
	18.69	481.41			800
Nasik					
Unit 1	2.21	60.78	97	87	85
Unit 2	1.97	51.88	88	75	92
Unit 3	4.96	119.80	213	198	201
Unit 4	4.67	121.74	203	190	202
Unit 5	0.00	0.00	0	0	0
	13.81	354.19			580
Uran					
All Units	14.24	395.49	624	540	580
	14.24	395.49			580
Koyna					
Stage 1-2	0.99	46.97	55	30	600
Stage 4	0.00	58.61	0	0	250
Koyna 12&4 Total	0.99	105.58			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.58	22.90	238	0	240
	1.57	128.48			1090
Hydro					
KDPH	0.00	2.07	0	0	20
VTRNA	0.00	0.00	0	0	0
TILLARI	0.36	10.04	59	0	60
BHTGR/VEER	0.91	25.15	38	38	30
BHIRA T.R.	0.08	6.49	40	0	42
RNGR+BHTSA	0.31	8.98	13	13	12
BHANDARDRA	0.60	1.44	48	14	0
ELDARY	0.26	0.30	12	8	11
PAITHAN	0.02	1.14	7	0	0
GHATGHAR	0.22	19.44	125	0	0
	2.76	75.06			175
PENCH (MS)					
Pench (MS)	0.18	2.58	47	0	
	0.18	2.58			
Wind					
MalharPeth	0.05	4.16			
Vankuswadi	0.20	10.60			
ATIT	0.03	2.25			
Kale	0.06	3.32			
Satara	0.11	4.47			
Shirala	0.05	3.38			
K Mahankal	0.01	1.87			
Supa	0.04	1.57			
Vita	0.41	17.08			
Dondaicha	0.35	11.96			
Sakri	0.07	2.30			
Nandurbar	0.08	1.38			
Khadakale	0.13	4.98			
Khaparale	0.02	4.68			
	1.61	74.01			
Dabhol					
RGPP L II	22.86	496.88	963	937	900
RGPP L III	0.00	0.00	0	0	
	22.86	496.88			900
Tata					
Trombay 4	0.00	1.83	0	0	0
Trombay 5	9.25	302.94	500	200	500
Trombay 6	4.40	233.46	350	150	500
Trombay 7A	2.96	70.33	130	118	120
Trombay 7B	1.63	41.35	69	67	60
Trombay 8	3.62	28.25	159	141	150
TATA Hydro	0.00	115.74	0	0	447
	21.86	793.89			1777
REL					
1&2	12.73	343.13	533	527	500
	12.73	343.13			500
Cent Sect					
Share		0.00			3018
		0.00			3018

MS PG CL	Thermal	127.44	3276.57		5533
	Thml+Gas	141.68	3672.06		6113
	Hydro	4.34	203.54		1265
	Total	146.01	3875.59		7378
State Total		205.25	5586.09		13573

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/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	5328	115	566	6009	942	51	2612	2105	-55	-21	9086	1956	11042	1391	12433	49.84
2	5319	116	540	5975	947	58	2612	2017	-55	-8	8989	2017	11006	1268	12274	50.00
3	5326	116	544	5986	942	59	2612	1960	-55	-6	8941	1798	10739	1224	11963	50.04
4	5316	116	572	6004	937	57	2612	1862	-55		8860	2108	10968	1218	12186	50.11
5	5311	106	570	5987	942	60	2612	1968	-55	-6	8977	2195	11172	1224	12396	49.93
6	5323	139	558	6020	943	65	2564	2574	-55	-28	9600	2519	12119	1246	13365	49.72
7	5347	132	593	6072	948	94	2789	2554	-55	-19	9649	3173	12822	1303	14125	49.94
8	5383	115	608	6106	948	114	2973	3022	-55	-39	10151	3327	13478	1372	14850	49.76
9	5407	128	616	6151	949	110	2774	3064	-55	-45	10229	3498	13727	1428	15155	49.64
10	5300	197	616	6113	957	104	2831	3259	-69	-55	10378	3603	13981	1535	15516	49.78
11	5247	246	608	6101	957	94	3174	3666	-69	-50	10768	3279	14047	1609	15656	49.68
12	5224	229	599	6052	958	90	3164	3819	-69	-24	10895	3331	14226	1635	15861	49.56
13	5210	134	620	5964	957	76	3163	3798	-69	-30	10765	3314	14079	1585	15664	49.73
14	5213	116	624	5953	959	63	3161	3793	-69	-29	10739	3361	14100	1545	15645	50.05
15	5244	121	611	5976	960	71	3161	3659	-69	-27	10639	3482	14121	1516	15637	50.08
16	5278	118	592	5988	963	78	3161	3538	-69	-28	10539	3387	13926	1464	15390	49.84
17	5253	109	591	5953	962	73	3161	3714	-69	-35	10667	3327	13994	1469	15463	50.00
18	5314	154	592	6060	960	78	3242	3803	-137	-92	10836	2992	13828	1518	15346	49.94
19	5371	543	601	6515	963	48	2941	3574	-137	-96	11031	3511	14542	1721	16263	50.02
20	5417	559	604	6580	963	41	3018	3310	-137	-94	10847	3611	14458	1814	16272	49.86
21	5389	339	604	6332	958	30	3023	3467	-137	-85	10729	3286	14015	1775	15790	49.82
22	5361	154	604	6119	954	30	2829	3156	-137	-83	10176	3297	13473	1722	15195	50.00
23	5291	123	600	6014	948	30	2825	2717	-137	-82	9627	3180	12807	1592	14399	49.86
24	5269	110	604	5983	940	34	2730	2483	-69	-14	9426	2287	11713	1415	13128	50.01
MUs	127.44	4.34	14.24	146.01	22.86	1.61	69.74	72.88	-1.93	-1.00	242.54	71.84	314.38	35.59	349.97	49.88

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 27/Dec/2009

Position as on 6.30 Hrs of 28/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 2	105	25/12/2009	19.06		Continued.	Boiler Tube Leakage.	30/12/2009
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 27/Dec/2009

Position as on 6.30 Hrs of 28/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
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-Lonikand	19/12/2009	10.25		Continued.	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
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
Tata-Tie-2 at Trombay.	27/12/2009	09.56	27/12/2009	17.05	Breaker Testing work
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.
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		
Padgha-Nagothane-II	27/12/2009	18.30	27/12/2009	19.20	Tripped at padgha end only
Voltage Level : 220KV			Outage Type TRIPPED		
Pedambe-Mahad	28/12/2009	07.30		Continued.	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Chikhali - Buldana	27/12/2009	06.20	27/12/2009	06.50	Distance protection
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 28/Dec/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	0
Unit 3	105	60
Unit 4	105	75
Unit 5	200	150
Unit 6	210	130
Unit 7	210	150
	1040	645
Bhusawal		
Unit 1	58	50
Unit 2	210	170
Unit 3	210	190
	478	410
Parli		
Unit 1	30	23
Unit 2	30	23
Unit 3	210	155
Unit 4	210	200
Unit 5	210	190
Unit 6	250	250
	940	841
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	190
Unit 4	210	180
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	2040
Paras		
Unit 2	55	40
Unit 3	250	120
	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	0
Unit 3	210	190
Unit 4	210	180
Unit 5	210	0
	870	455
Uran		
All Units	852	650
	852	650
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	50
TILLARI	60	60
BHTGR/VEER	21	17
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	17
ELDARY	23	10
PAITHAN	12	0
GHATGHAR	250	0
	611	209
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	950
RGPL III	740	0
	1700	950
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	13737
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