



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

State Load Dispatch Center, Airoli

Daily system Report

for

25/Dec/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 25/Dec/2009 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	127.742	3022.242	1) Madhya Pradesh	58.610	1648.544
2) Hydro	4.183	194.753	2) Gujrat	15.301	446.749
3) Gas	12.508	365.682	3) Goa	-5.586	-155.903
Total MSGENCO	144.433	3582.677	4) TAPS 1&2 (Inj.)	3.648	122.451
B) OTHERS			5) Pench (Excess)	-0.195	-2.276
1) RGPPL Gas	21.521	450.949	# Total Cent. Sector	71.778	2059.565
2) Wind Generation	2.001	71.514	F) Other Exchanges		
3) PENCH (MS)	0.195	2.276	1) With TPCL	-1.861	-98.613
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	25.896	634.178	1) MSEDCL Bilateral	6.432	149.461
2) TPCL Hydro	0.181	112.873	Include PX	0.752	69.608
TOTAL TPCL	26.077	747.051	2) MUMBAI Bilateral	2.909	119.094
3) REL Thermal	12.727	317.709	Include PX	-0.011	5.046
D) STATE			3) MUMBAI Schedule	2.909	119.094
1) Thermal (A1+C1+C3)	166.365	3974.129	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	4.559	309.902	1) MSEDCL	238.067	6068.368
3) Gas (A3+B1)	34.029	816.631	2) TPCL	26.246	763.593
4) Wind (B2)	2.001	71.514	3) REL	14.415	399.736
TOTAL STATE	206.954	5172.176	TOTAL STATE	278.728	7231.697

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	5425	5411	5284
MSGENCO Hydro	167	668	86
MSGENCO Gas	409	575	501
MSGENCO Total Generation	6001	6654	5871
Central Sector Receipt	3378	3415	2343
RGPPL	875	946	877
WIND	71	47	140
Exchange with TPCL	-95	-172	4
MSEDCL DEMAND MET	10230	10930	9235
Load Shedding	3205	3318	0
MSEDCL DEMAND (INCL. LS)	13435	14248	9235
TPCL GENERATION	1365	1349	767
REL GENERATION	528	529	530
TPCL+REL DEMAND	1988	2050	1293
STATE DEMAND MET	12218	12980	10528
STATE DEMAND (INCL. LS)	15423	16298	10528
Frequency (Hz)	49.63	49.79	50.07
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3933 MW At 21.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			58.49 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.5 Hz at 14.06 Hrs	49.13 Hz at 10.20 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 25/Dec/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.92	36.79	87	60	60
Unit 2	1.19	41.22	74	0	50
Unit 3	1.19	32.50	68	30	30
Unit 4	0.00	16.70	0	0	0
Unit 5	4.06	89.81	177	160	170
Unit 6	4.17	62.79	182	158	170
Unit 7	4.46	100.41	191	177	180
	17.00	380.22			660
Bhusawal					
Unit 1	1.02	26.83	55	0	52
Unit 2	4.39	89.28	192	177	180
Unit 3	4.48	109.54	195	180	190
	9.89	225.65			422
Parli					
Unit 1	0.56	13.33	25	20	23
Unit 2	0.57	13.39	26	22	23
Unit 3	3.64	90.16	163	143	150
Unit 4	4.64	116.53	206	180	195
Unit 5	4.39	93.54	189	175	180
Unit 6	5.75	123.98	255	225	225
	19.55	450.94			796
Chandrapur					
Unit 1	3.58	89.40	156	142	155
Unit 2	3.63	91.19	161	132	160
Unit 3	4.13	91.79	195	156	200
Unit 4	4.26	97.87	192	156	180
Unit 5	9.57	220.00	419	380	450
Unit 6	9.43	221.61	421	370	450
Unit 7	9.53	250.10	422	378	450
	44.13	1061.96			2045
Paras					
Unit 2	0.91	15.48	48	0	40
Unit 3	5.20	116.36	230	204	230
	6.11	131.84			270
Khaparkheda					
Unit 1	4.53	105.63	197	176	190
Unit 2	4.53	107.99	196	174	190
Unit 3	4.94	111.93	213	178	210
Unit 4	5.03	117.82	214	195	210
	19.03	443.37			800
Nasik					
Unit 1	2.33	56.49	102	90	100
Unit 2	0.00	49.42	0	0	0
Unit 3	4.90	109.96	208	200	205
Unit 4	4.80	112.39	205	192	205
Unit 5	0.00	0.00	0	0	0
	12.03	328.26			510
Uran					
All Units	12.51	365.68	677	390	470
	12.51	365.68			470
Koyna					
Stage 1-2	1.26	44.58	215	35	600
Stage 4	0.26	58.13	158	0	250
Koyna 12&4 Total	1.52	102.70			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.51	22.27	200	0	240
	2.03	124.97			1090
Hydro					
KDPH	0.00	2.07	0	0	20
VTRNA	0.00	0.00	0	0	0
TILLARI	0.37	9.30	60	0	60
BHTGR/VEER	0.80	23.35	34	33	30
BHIRA T.R.	0.05	6.33	27	0	42
RNGR+BHTSA	0.33	8.34	15	13	12
BHANDARDRA	0.19	0.24	48	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	1.12	0	0	10
GHATGHAR	0.41	19.03	120	0	0
	2.15	69.78			174
PENCH (MS)					
Pench (MS)	0.20	2.28	40	0	
	0.20	2.28			
Wind					
MalharPeth	0.10	4.08			
Vankuswadi	0.32	10.25			
ATIT	0.04	2.20			
Kale	0.10	3.24			
Satara	0.23	4.29			
Shirala	0.11	3.31			
K Mahankal	0.02	1.85			
Supa	0.04	1.52			
Vita	0.71	16.34			
Dondaicha	0.15	11.54			
Sakri	0.04	2.23			
Nandurbar	0.02	1.27			
Khadakale	0.06	4.77			
Khaparale	0.06	4.63			
	2.00	71.51			
Dabhol					
RGPP L II	21.52	450.95	985	807	895
RGPP L III	0.00	0.00	0	0	
	21.52	450.95			895
Tata					
Trombay 4	0.00	1.83	0	0	0
Trombay 5	10.56	283.64	500	260	500
Trombay 6	7.25	225.46	500	160	500
Trombay 7A	2.81	64.36	129	90	110
Trombay 7B	1.59	38.08	69	62	70
Trombay 8	3.68	20.80	162	150	250
TATA Hydro	0.18	112.87	78	0	447
	26.08	747.05			1877
REL					
1&2	12.73	317.71	532	528	500
	12.73	317.71			500
Cent Sect					
Share		0.00			2972
		0.00			2972

MS PG CL	Thermal	127.74	3022.24		5503
	Thml+Gas	140.25	3387.92		5973
	Hydro	4.18	194.75		1264
	Total	144.43	3582.68		7237
State Total		206.95	5172.18		13481

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 25/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	5213	91	505	5809	807	134	2609	2382	-52	2	9134	1081	10215	1567	11782	49.95
2	5267	86	506	5859	832	147	2609	2384	-52		9222	717	9939	1420	11359	50.09
3	5276	86	504	5866	868	144	2609	2495	-52	2	9375	0	9375	1358	10733	49.98
4	5284	86	501	5871	877	140	2609	2343	-52	4	9235	0	9235	1293	10528	50.07
5	5272	96	507	5875	848	131	2609	2521	-52	2	9389	586	9975	1276	11251	49.89
6	5313	86	507	5906	844	134	2550	2812	-52	1	9724	1560	11284	1331	12615	49.79
7	5337	81	508	5926	843	144	3024	2568	-52		9508	2526	12034	1433	13467	49.92
8	5378	86	500	5964	841	132	3043	3213	-52	-2	10175	2606	12781	1465	14246	49.70
9	5374	97	488	5959	846	108	2849	3186	-52	-3	10123	3258	13381	1489	14870	49.55
10	5434	153	434	6021	864	111	3298	3082	-136	-93	9990	3368	13358	1672	15030	49.63
11	5466	147	420	6033	861	101	3336	3218	-136	-93	10120	3066	13186	1851	15037	49.55
12	5425	167	409	6001	875	71	3333	3378	-136	-95	10230	3205	13435	1988	15423	49.63
13	5341	91	390	5822	939	55	3291	3295	-136	-105	10006	3184	13190	1948	15138	49.63
14	5333	141	398	5872	958	46	3289	3328	-136	-110	10094	3254	13348	1902	15250	50.01
15	5343	206	425	5974	959	34	3288	3253	-136	-117	10103	3313	13416	1813	15229	49.95
16	5273	110	565	5948	919	36	3288	3078	-136	-107	9874	3180	13054	1776	14830	49.81
17	5303	93	545	5941	890	48	3288	3300	-136	-112	10067	3106	13173	1760	14933	49.82
18	5308	273	582	6163	858	51	3346	3438	-193	-151	10372	2838	13210	1853	15063	49.78
19	5411	668	575	6654	946	47	2984	3415	-205	-172	10930	3318	14248	2050	16298	49.79
20	5344	539	575	6458	959	45	3025	3454	-205	-179	10754	3400	14154	2112	16266	49.56
21	5332	440	648	6420	961	36	3032	3618	-205	-152	10883	3140	14023	2003	16026	49.55
22	5295	134	668	6097	971	37	2858	2948	-205	-149	9904	3174	13078	1905	14983	50.01
23	5253	120	671	6044	970	36	2857	2610	-205	-147	9513	3014	12527	1767	14294	49.87
24	5170	106	677	5953	985	40	2789	2458	-136	-85	9351	2183	11534	1633	13167	50.08
MUs	127.74	4.18	12.51	144.44	21.52	2.01	71.81	71.78	-2.91	-1.86	238.08	59.08	297.15	40.66	337.82	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 25/Dec/2009

Position as on 6.30 Hrs of 26/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.	
Uran Unit 7	108	24/12/2009	21.36	25/12/2009	14.41	Boiler Inspection	
Uran Unit B0	120	25/12/2009	09.12	25/12/2009	14.45	ABT metering connection.	
Bhusawal Unit 1	58	25/12/2009	12.14	25/12/2009	15.15	Tripped on Over Frequency	
Paras Unit 2	55	25/12/2009	15.14	25/12/2009	17.37	O/F relay operated.	
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	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 25/Dec/2009

Position as on 6.30 Hrs of 26/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.
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
Dahanu - Ghodbandar - I	25/12/2009	07.58	25/12/2009	18.47	Line Maintenance
220/33 KV 100 MVA - II @ Aarey	25/12/2009	08.02	25/12/2009	16.45	Bus Maintenance work
220/100KV,125MVA ICT-IV at Kalwa	25/12/2009	08.28	25/12/2009	19.15	To attend Oil leakage
Padghe - Nashik - II	25/12/2009	08.50		Continued.	Errection of tower
220/132 kv,100 MVA ICT at Bhugaon.	25/12/2009	09.05	25/12/2009	14.05	Replacement of diff.relay and testing work
Interconnector @ Kalwa-II S/S	25/12/2009	09.08	25/12/2009	13.58	R.M.work
Padghe - Jindal	25/12/2009	09.11		Continued.	Errection of Tower
Kalwa II-Taloja	25/12/2009	15.38	25/12/2009	18.28	To attend Red Hot Spot
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
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		
KALWA-LONIKAND	25/12/2009	03.12	25/12/2009	07.56	Distance protection.
Padgha - Nagothane - I	25/12/2009	03.15	25/12/2009	12.22	Distance protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Amravati - Akola	26/12/2009	06.43	26/12/2009	07.07	Distance protection operated Zone 1

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 26/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	0
Unit 5	200	175
Unit 6	210	170
Unit 7	210	180
	1040	665
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	150
Unit 4	210	195
Unit 5	210	180
Unit 6	250	225
	940	796
Chandrapur		
Unit 1	210	155
Unit 2	210	160
Unit 3	210	200
Unit 4	210	180
Unit 5	500	425
Unit 6	500	450
Unit 7	500	450
	2340	2020
Paras		
Unit 2	55	45
Unit 3	250	225
	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	91
Unit 2	120	0
Unit 3	210	203
Unit 4	210	202
Unit 5	210	0
	870	496
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	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	0
PAITHAN	12	0
GHATGHAR	250	0
	611	164
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	900
RGPL 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	3151
	3143	3151

	17616	13701
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