



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

State Load Dispatch Center, Airoli

Daily system Report

for

24/Dec/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 24/Dec/2009 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	126.729	2894.500	1) Madhya Pradesh	61.393	1589.934
2) Hydro	5.014	190.570	2) Gujrat	17.603	431.448
3) Gas	15.386	353.174	3) Goa	-6.278	-150.317
Total MSGENCO	147.129	3438.244	4) TAPS 1&2 (Inj.)	3.640	118.803
B) OTHERS			5) Pench (Excess)	-0.242	-2.081
1) RGPPL Gas	19.433	429.428	# Total Cent. Sector	76.116	1987.787
2) Wind Generation	3.768	69.513	F) Other Exchanges		
3) PENCH (MS)	0.242	2.081	1) With TPCL	-4.193	-96.752
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	26.291	608.282	1) MSEDCL Bilateral	6.770	143.029
2) TPCL Hydro	3.667	112.692	Include PX	1.090	68.856
TOTAL TPCL	29.958	720.974	2) MUMBAI Bilateral	4.785	116.185
3) REL Thermal	12.707	304.982	Include PX	0.000	5.057
D) STATE			3) MUMBAI Schedule	4.785	116.185
1) Thermal (A1+C1+C3)	165.727	3807.764	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	8.923	305.343	1) MSEDCL	242.495	5830.301
3) Gas (A3+B1)	34.819	782.602	2) TPCL	30.904	737.347
4) Wind (B2)	3.768	69.513	3) REL	15.961	385.321
TOTAL STATE	213.237	4965.222	TOTAL STATE	289.360	6952.969

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	5194	5454	5120
MSGENCO Hydro	333	336	115
MSGENCO Gas	637	659	675
MSGENCO Total Generation	6164	6449	5910
Central Sector Receipt	3538	3965	2123
RGPPL	875	623	970
WIND	163	153	221
Exchange with TPCL	-283	-293	-13
MSEDCL DEMAND MET	10457	10945	9214
Load Shedding	3297	3690	0
MSEDCL DEMAND (INCL. LS)	13754	14635	9214
TPCL GENERATION	1574	1583	785
REL GENERATION	529	527	531
TPCL+REL DEMAND	2386	2403	1329
STATE DEMAND MET	12843	13348	10543
STATE DEMAND (INCL. LS)	16140	17038	10543
Frequency (Hz)	49.68	49.66	50.02
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4224 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			64.45 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.47 Hz at 06.06 Hrs	49.26 Hz at 16.44 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 24/Dec/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.87	34.87	86	66	85
Unit 2	1.68	40.03	78	55	70
Unit 3	0.60	31.31	77	0	0
Unit 4	0.00	16.70	0	0	0
Unit 5	4.02	85.75	176	154	170
Unit 6	3.97	58.62	182	140	160
Unit 7	4.24	95.95	190	165	165
	16.37	363.22			650
Bhusawal					
Unit 1	1.14	25.81	52	35	52
Unit 2	4.31	84.89	191	168	180
Unit 3	4.52	105.06	195	180	190
	9.96	215.76			422
Parli					
Unit 1	0.55	12.77	25	21	23
Unit 2	0.54	12.82	25	20	23
Unit 3	3.57	86.52	158	132	150
Unit 4	4.46	111.89	197	175	200
Unit 5	4.20	89.15	184	163	180
Unit 6	5.50	118.23	246	180	220
	18.81	431.38			796
Chandrapur					
Unit 1	3.50	85.82	152	132	150
Unit 2	2.39	87.56	157	0	140
Unit 3	3.89	87.66	190	98	130
Unit 4	3.91	93.61	183	122	150
Unit 5	10.60	210.43	460	410	450
Unit 6	9.46	212.18	410	380	450
Unit 7	10.81	240.57	462	430	450
	44.57	1017.83			1920
Paras					
Unit 2	1.07	14.57	48	39	50
Unit 3	5.14	111.17	223	198	220
	6.20	125.73			270
Khaparkheda					
Unit 1	4.57	101.10	200	173	190
Unit 2	4.62	103.46	199	172	190
Unit 3	5.07	106.99	214	200	210
Unit 4	4.69	112.79	214	174	210
	18.96	424.34			800
Nasik					
Unit 1	2.37	54.17	102	96	100
Unit 2	0.00	49.42	0	0	0
Unit 3	4.80	105.05	208	188	195
Unit 4	4.68	107.59	207	176	185
Unit 5	0.00	0.00	0	0	0
	11.84	316.23			480
Uran					
All Units	15.39	353.17	679	493	640
	15.39	353.17			640
Koyna					
Stage 1-2	1.52	43.32	185	35	600
Stage 4	0.00	57.87	0	0	250
Kovna 12&4 Total	1.52	101.19			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.08	21.75	76	0	240
	1.59	122.94			1090
Hydro					
KDPH	0.33	2.07	20	0	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.39	8.93	61	0	60
BHTGR/VEER	0.92	22.55	39	38	30
BHIRA T.R.	0.19	6.28	42	0	40
RNGR+BHTSA	0.31	8.01	13	13	15
BHANDARDRA	0.00	0.05	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	1.12	0	0	10
GHATGHAR	1.28	18.62	125	0	0
	3.42	67.63			173
PENCH (MS)					
Pench (MS)	0.24	2.08	48	0	
	0.24	2.08			
Wind					
MalharPeth	0.19	3.98			
Vankuswadi	0.50	9.92			
ATIT	0.09	2.15			
Kale	0.22	3.14			
Satara	0.14	4.05			
Shirala	0.25	3.20			
K Mahankal	0.26	1.83			
Supa	0.10	1.48			
Vita	1.01	15.62			
Dondaicha	0.51	11.40			
Sakri	0.04	2.20			
Nandurbar	0.08	1.25			
Khadakale	0.20	4.72			
Khaparale	0.16	4.57			
	3.77	69.51			
Dabhol					
RGPPPL II	19.43	429.43	970	617	900
RGPPPL III	0.00	0.00	0	0	
	19.43	429.43			900
Tata					
Trombay 4	0.00	1.83	0	0	0
Trombay 5	11.17	273.08	500	280	500
Trombay 6	6.35	218.20	400	150	500
Trombay 7A	2.79	61.55	128	112	120
Trombay 7B	1.59	36.50	68	65	60
Trombay 8	4.40	17.12	253	151	250
TATA Hydro	3.67	112.69	457	0	447
	29.96	720.97			1877
REL					
1&2	12.71	304.98	533	526	500
	12.71	304.98			500
Cent Sect					
Share		0.00			3060
		0.00			3060

MS PG CL	Thermal	126.73	2894.50		5338
	Thml+Gas	142.12	3247.67		5978
	Hydro	5.01	190.57		1263
	Total	147.13	3438.24		7241
State Total		213.24	4965.22		13578

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 24/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	5104	110	674	5888	967	205	2617	2242	-48	-19	9283	551	9834	1602	11436	49.93
2	5170	105	675	5950	970	209	2617	2118	-48	-18	9229	0	9229	1484	10713	50.11
3	5116	110	675	5901	970	208	2617	2155	-48	-16	9218	0	9218	1379	10597	50.02
4	5120	115	675	5910	970	221	2617	2123	-48	-13	9214	0	9214	1329	10543	50.02
5	5102	105	676	5883	969	225	2617	2360	-48	-15	9449	745	10194	1328	11522	49.92
6	5126	110	675	5911	968	213	2733	2779	-48	-16	9882	1892	11774	1399	13173	49.87
7	5211	111	675	5997	969	215	3023	2748	-48	-17	9939	2652	12591	1538	14129	49.90
8	5233	116	679	6028	968	207	3019	3140	-48	-18	10348	3197	13545	1589	15134	49.71
9	5233	117	674	6024	962	167	2849	2526	-52	-18	9661	3667	13328	1786	15114	49.66
10	5186	189	663	6038	959	159	3213	2912	-267	-231	9837	3543	13380	2184	15564	49.67
11	5157	336	650	6143	913	167	3470	3586	-312	-283	10526	3245	13771	2354	16125	49.74
12	5194	333	637	6164	875	163	3480	3538	-312	-283	10457	3297	13754	2386	16140	49.68
13	5247	148	635	6030	867	122	3480	3704	-313	-299	10424	3249	13673	2358	16031	49.84
14	5396	223	637	6256	620	88	3479	3670	-313	-302	10332	3282	13614	2276	15890	49.95
15	5402	256	635	6293	618	72	3479	3805	-313	-304	10484	3535	14019	2281	16300	49.86
16	5394	290	628	6312	617	77	3479	3679	-313	-309	10376	3465	13841	2316	16157	49.61
17	5406	285	634	6325	617	89	3480	3856	-313	-315	10572	3475	14047	2299	16346	49.58
18	5401	402	649	6452	619	97	3481	3930	-313	-313	10798	3139	13937	2291	16228	49.63
19	5426	533	659	6618	624	139	3084	3827	-313	-287	10968	3620	14588	2420	17008	49.73
20	5454	336	659	6449	623	153	3123	3965	-313	-293	10945	3690	14635	2403	17038	49.66
21	5460	373	648	6481	649	156	3128	3732	-313	-284	10761	3412	14173	2207	16380	49.57
22	5434	92	580	6106	668	156	3134	3541	-313	-283	10188	3449	13637	2070	15707	49.68
23	5343	127	493	5963	677	134	2837	3270	-224	-184	9860	2976	12836	1863	14699	49.71
24	5286	92	498	5876	774	127	2694	2860	-111	-73	9564	2209	11773	1716	13489	50.01
MUs	126.60	5.01	15.38	147.00	19.43	3.77	73.75	76.07	-4.79	-4.19	242.32	62.29	304.60	46.86	351.46	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 24/Dec/2009

Position as on 6.30 Hrs of 25/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 3	105	21/12/2009	12:40	24/12/2009	09:56	ESP Work.	
Chandrapur Unit 2	210	24/12/2009	07.12	24/12/2009	12.48	Drum level High.	
Dabhol 2A	230	24/12/2009	13.00	24/12/2009	20.05	Withdrawn.	
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

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/Dec/2009

Position as on 6.30 Hrs of 25/Dec/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha-Bhoisor (PGCIL)	24/12/2009	10.48	24/12/2009	13.45	Oil topping of line reactor.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	16/12/2009	13:00		Continued.	H/T.
KOLHAPUR-MAPUSA-II	23/12/2009	23.59	24/12/2009	10.27	Hand Tripped to Control Over Voltage.
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,315 MVA ICT-II at Lonikand	24/12/2009	09.08	24/12/2009	18.52	Q.M.Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Chinchwad-Urse	24/12/2009	09.00	24/12/2009	19.36	Insulator replacement work.
Khaparkhedha - Kanhan - II	24/12/2009	09.02	24/12/2009	15.08	Insulator replacement work.
Pedambe-Kharepatan	24/12/2009	09.15	24/12/2009	17.30	C.T.Meggering work.
Borivali-Boisar	24/12/2009	09.54	24/12/2009	14.55	Hot Line work.
URAN_HOCL	24/12/2009	10.00	24/12/2009	18.30	Hot Spot and R.M.work
220/66KV,50 MVA ICT-I at wardha.	24/12/2009	10.00	24/12/2009	13.46	To attend oil leakage.
220/132KV,100MVA ICT-II at Kanhan	24/12/2009	12.00	24/12/2009	14.39	Oil top up in OLTC tank.
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
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Main Bus-I at Dhule	17/12/2009	19.22	24/12/2009	09.17	H/T for isolating Bus-I at Dhule
Bus Coupler at Dhule	17/12/2009	19.22	24/12/2009	09.17	H/T for Isolating Bus-I at Dhule
Bhusawal- Aurangabad	21/12/2009	19:03	24/12/2009	10.24	H/T to control voltage Charge from Aurangabad end.
Karad-Lonikand.	24/12/2009	11.37	24/12/2009	11.57	For taking 80 MVAR reactor in service.
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		
Lonikand- Koyna Stage IV	23/12/2009	12.54	24/12/2009	07.01	Distanace Protection.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 24/Dec/2009

Position as on 6.30 Hrs of 25/Dec/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
400/220 KV,315 MVA ICT-I at Parly.	24/12/2009	07.45	24/12/2009	16.26	B Ph.Buchholz trip.
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 : 220KV			Outage Type TRIPPED		
Chandrapur-Warora - I	24/12/2009	13.25	24/12/2009	13.36	Tripped at Warora end only without any indication.
Alephata-Kathapur	24/12/2009	20.35	24/12/2009	21.00	Distance protection .
Chinchwad-Theur	24/12/2009	20.37	24/12/2009	21.18	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 25/Dec/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	60
Unit 2	105	50
Unit 3	105	30
Unit 4	105	0
Unit 5	200	170
Unit 6	210	170
Unit 7	210	180
	1040	660
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	450
Unit 6	500	450
Unit 7	500	450
	2340	2045
Paras		
Unit 2	55	40
Unit 3	250	230
	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	100
Unit 2	120	0
Unit 3	210	205
Unit 4	210	205
Unit 5	210	0
	870	510
Uran		
All Units	852	470
	852	470
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	10
GHATGHAR	250	0
	611	174
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	895
RGPL III	740	
	1700	895
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	110
Trombay 7B	60	70
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2972
	3143	2972