



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Dec/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Dec/2009 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	123.867	1771.923	1) Madhya Pradesh	67.950	1023.455
2) Hydro	12.334	129.607	2) Gujrat	26.264	246.467
3) Gas	14.411	215.287	3) Goa	-6.511	-92.186
Total MSGENCO	150.612	2116.817	4) TAPS 1&2 (Inj.)	3.654	86.066
B) OTHERS			5) Pench (Excess)	0.000	-1.668
1) RGPPL Gas	14.997	292.890	# Total Cent. Sector	91.357	1262.134
2) Wind Generation	2.132	33.256	F) Other Exchanges		
3) PENCH (MS)	0.000	1.668	1) With TPCL	-4.735	-61.034
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	25.721	371.508	1) MSEDCL Bilateral	6.859	84.575
2) TPCL Hydro	5.685	73.456	Include PX	4.114	55.588
TOTAL TPCL	31.406	444.964	2) MUMBAI Bilateral	5.493	73.361
3) REL Thermal	12.700	190.791	Include PX	0.434	3.754
D) STATE			3) MUMBAI Schedule	5.493	73.361
1) Thermal (A1+C1+C3)	162.288	2334.222	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	18.019	204.731	1) MSEDCL	254.363	3645.731
3) Gas (A3+B1)	29.408	508.177	2) TPCL	32.171	457.041
4) Wind (B2)	2.132	33.256	3) REL	16.666	239.726
TOTAL STATE	211.847	3080.386	TOTAL STATE	303.200	4342.498

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5065	5254	5215
MSGENCO Hydro	811	1670	95
MSGENCO Gas	602	629	632
MSGENCO Total Generation	6478	7553	5942
Central Sector Receipt	4352	3763	2983
RGPPL	611	625	633
WIND	43	92	114
Exchange with TPCL	-344	-320	-21
MSEDCL DEMAND MET	11140	11713	9651
Load Shedding	3397	3653	1796
MSEDCL DEMAND (INCL. LS)	14537	15366	11447
TPCL GENERATION	1654	1654	832
REL GENERATION	526	525	531
TPCL+REL DEMAND	2524	2499	1384
STATE DEMAND MET	13664	14212	11035
STATE DEMAND (INCL. LS)	17061	17865	12831
Frequency (Hz)	49.36	49.53	50.33
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4901 MW AT 15.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			94.80 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.42 Hz at 02.43 Hrs	48.82 Hz at 17.43 Hrs	49.73	.22 % 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 15/Dec/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	20.31	0	0	0
Unit 2	1.80	25.27	83	62	70
Unit 3	1.04	22.86	84	0	0
Unit 4	0.40	8.20	76	0	0
Unit 5	3.90	50.73	176	150	160
Unit 6	0.00	40.15	0	0	0
Unit 7	4.32	58.66	190	170	180
	11.45	226.17			410
Bhusawal					
Unit 1	0.76	16.35	53	21	50
Unit 2	4.40	47.29	191	177	180
Unit 3	4.42	65.14	195	175	190
	9.58	128.78			420
Parli					
Unit 1	0.54	7.75	25	20	23
Unit 2	0.52	8.41	24	18	23
Unit 3	4.07	59.09	180	140	165
Unit 4	4.63	69.33	212	170	190
Unit 5	4.42	51.11	189	175	185
Unit 6	5.02	74.22	235	146	220
	19.21	269.91			806
Chandrapur					
Unit 1	3.69	53.96	157	150	160
Unit 2	3.89	55.88	170	145	160
Unit 3	3.19	54.94	147	111	150
Unit 4	4.03	59.00	178	154	190
Unit 5	10.58	118.24	460	415	450
Unit 6	10.08	123.27	435	385	450
Unit 7	10.24	149.92	450	400	425
	45.69	615.21			1985
Paras					
Unit 2	0.00	7.08	1	0	0
Unit 3	5.22	69.61	228	210	193
	5.22	76.68			193
Khaparkheda					
Unit 1	4.59	67.69	198	183	190
Unit 2	4.62	62.59	200	185	190
Unit 3	4.82	63.71	213	192	210
Unit 4	4.93	68.98	213	188	210
	18.96	262.97			800
Nasik					
Unit 1	2.25	33.21	102	58	95
Unit 2	2.23	32.50	101	87	95
Unit 3	4.45	61.68	202	168	185
Unit 4	4.82	64.81	207	196	195
Unit 5	0.00	0.00	0	0	0
	13.75	192.20			570
Uran					
All Units	14.41	215.29	640	493	620
	14.41	215.29			620
Koyna					
Stage 1-2	2.22	30.06	260	30	460
Stage 4	5.58	45.66	942	0	250
Koyna 12&4 Total	7.79	75.72			710

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.57	15.97	240	0	240
	9.36	91.70			950
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.36	5.70	60	0	60
BHTGR/VEER	1.25	11.63	53	52	40
BHIRA T.R.	0.29	4.02	42	0	40
RNGR+BHTSA	0.32	4.69	14	13	15
BHANDARDRA	0.00	0.05	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.74	10	0	10
GHATGHAR	0.70	11.09	125	0	0
	2.97	37.91			165
PENCH (MS)					
Pench (MS)	0.00	1.67	0	0	
	0.00	1.67			
Wind					
MalharPeth	0.10	2.01			
Vankuswadi	0.27	5.41			
ATIT	0.04	1.11			
Kale	0.12	1.58			
Satara	0.08	2.03			
Shirala	0.12	1.61			
K Mahankal	0.11	0.86			
Supa	0.07	0.75			
Vita	0.71	8.07			
Dondaicha	0.10	3.88			
Sakri	0.00	0.98			
Nandurbar	0.02	0.51			
Khadakale	0.35	2.33			
Khaparale	0.04	2.13			
	2.13	33.26			
Dabhol					
RGPP L II	15.00	292.89	642	611	572
RGPP L III	0.00	0.00	0	0	
	15.00	292.89			572
Tata					
Trombay 4	0.00	1.83	0	0	0
Trombay 5	11.90	167.41	500	470	500
Trombay 6	9.66	139.06	510	150	500
Trombay 7A	2.62	39.98	125	84	120
Trombay 7B	1.53	23.23	69	57	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.68	73.46	481	0	447
	31.41	444.96			1627
REL					
1&2	12.70	190.79	534	525	500
	12.70	190.79			500
Cent Sect					
Share		0.00			3209
		0.00			3209

MS PG CL	Thermal	123.87	1771.92		5184
	Thml+Gas	138.28	1987.21		5804
	Hydro	12.33	129.61		1115
	Total	150.61	2116.82		6919
State Total		211.85	3080.39		12827

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/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	5170	95	632	5897	628	126	2579	3140	-48	-23	9768	1935	11703	1602	13305	50.00
2	5221	100	632	5953	631	110	2579	2953	-48	-24	9623	1976	11599	1470	13069	50.16
3	5215	95	632	5942	633	114	2579	2983	-48	-21	9651	1796	11447	1384	12831	50.33
4	5143	95	633	5871	630	139	2580	2881	-48	-24	9497	2127	11624	1368	12992	50.18
5	5161	95	633	5889	629	131	2591	2996	-48	-25	9620	2249	11869	1372	13241	49.93
6	5133	311	633	6077	630	123	2742	3714	-48	-29	10515	2528	13043	1453	14496	49.79
7	5115	100	635	5850	629	121	3281	3450	-66	-44	10006	3322	13328	1607	14935	49.70
8	5155	101	640	5896	630	100	3276	3712	-66	-45	10293	3599	13892	1700	15592	49.68
9	5148	142	638	5928	627	64	3273	3802	-69	-46	10375	3707	14082	1885	15967	49.61
10	5084	227	629	5940	625	36	3593	4130	-322	-298	10433	3728	14161	2245	16406	49.60
11	5044	649	613	6306	617	37	3626	4483	-366	-343	11100	3413	14513	2463	16976	49.46
12	5065	811	602	6478	611	43	3608	4352	-366	-344	11140	3397	14537	2524	17061	49.36
13	5165	787	597	6549	616	41	3604	4289	-366	-348	11147	3323	14470	2514	16984	49.43
14	5165	306	580	6051	616	36	3603	4699	-366	-340	11062	3348	14410	2425	16835	49.66
15	5157	653	562	6372	613	47	3606	4324	-366	-347	11009	3523	14532	2457	16989	49.47
16	5145	892	563	6600	618	51	3606	3935	-366	-340	10864	3450	14314	2460	16774	49.58
17	5194	894	566	6654	621	50	3606	4074	-366	-335	11064	3383	14447	2435	16882	49.65
18	5209	1464	592	7265	620	61	3621	3816	-366	-332	11430	3052	14482	2411	16893	49.41
19	5254	1670	629	7553	625	92	3233	3763	-366	-320	11713	3653	15366	2499	17865	49.53
20	5206	1164	634	7004	627	102	3271	4087	-366	-333	11487	3732	15219	2467	17686	49.77
21	5198	1003	600	6801	625	110	3240	4113	-329	-265	11384	3484	14868	2267	17135	49.70
22	5190	403	519	6112	627	126	3244	4318	-329	-266	10917	3507	14424	2132	16556	49.86
23	5181	177	524	5882	627	117	3146	3855	-240	-175	10306	3247	13553	1921	15474	49.71
24	5151	100	493	5744	642	156	2833	3743	-127	-68	10217	2348	12565	1780	14345	49.87
MUs	123.87	12.33	14.41	150.61	15.00	2.13	76.92	91.61	-5.49	-4.74	254.62	73.83	328.45	48.84	377.29	49.73

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 15/Dec/2009

Position as on 6.30 Hrs of 16/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
Tata Trombay 8	250	25/11/2009	00:35		Continued.	Performance Guarantee Test	15/12/2009
Nasik Unit 5	210	25/11/2009	01:50		Continued.	AOH	17/12/2009
Koyna Unit 3	75	06/12/2009	05.45		Continued.	Pressure Shaft Problem.	22/12/2009
Koyna Unit 4	75	06/12/2009	06.30		Continued.	Pressure Shaft Problem.	22/12/2009
Koyna Unit 10	80	06/12/2009	11.00		Continued.	Retrofitting of Excitation System.	06/01/2010
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	17/12/2009
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.	
Dabhol 3B	230	10/12/2009	23.34		Continued.	Combustion Chamber Inspection.	23/12/2009
Dabhol 3X	290	10/12/2009	23.35		Continued.	Combustion Chamber Inspection.	23/12/2009
Koradi Unit 6	210	12/12/2009	01.40		Continued.	Boiler T/L	15/12/2009
Koradi Unit 1	105	12/12/2009	07.51		Continued.	Reheater Tube Leakage.	15/12/2009
Paras Unit 2	55	12/12/2009	12.09	15/12/2009	23.52	Condenser Tube Leakage.	15/12/2009
Koradi Unit 3	105	15/12/2009	03.13	15/12/2009	09.35	No Coal	
Koradi Unit 4	115	15/12/2009	05.56		Continued.	Boiler Tube Leakage	17/12/2009

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Dec/2009

Position as on 6.30 Hrs of 16/Dec/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Akola - Wardha - II	15/12/2009	16.31		Continued.	Emergency outage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - I	09/12/2009	10.36	15/12/2009	16.30	H/T for O/V
Dhule-Sar'Sarovar II	09/12/2009	12:38		Continued.	H/T for O/V.
Akola-Aurangabad-II	13/12/2009	17.50	15/12/2009	09.39	Leakage in B phase Reactor at Akola end
Kolhapur-Mapusa-II	15/12/2009	00.26	15/12/2009	09.30	Over Voltage
Akola-Aurangabad--II	15/12/2009	09.39		Continued.	Charged from Aurangabad end.
Voltage Level : 220KV			Outage Type TRIPPED		
KALMESHVAR-PANDURNA	16/12/2009	5.40	16/12/2009	6.20	R PHASE TO EARTH FAULT
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
PADGHA-KHARGHAR	08/12/2009	10.52		Continued.	Line on TBC at Kharghar end for CB overhauling work.
Kalwa-M.B -I	09/12/2009	08:08	15/12/2009	16.03	Installation of Isolator Scissor assembly.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
220/66KV T/F at SICOM	27/11/2009	09:45		Continued.	L V Bkr Replacement work.
220/100 125 MVA ICT - II @ Trombay	03/12/2009	09.01		Continued.	Repl. Of CR Pannel and CT's
Main Bus - I at Talangade	14/12/2009	14.05		Continued.	To attend Red Hot
Mahad-Nagothane	15/12/2009	08.06	15/12/2009	18.42	Restranging of E/W.
Karad - Miraj	15/12/2009	08.15	15/12/2009	19.52	Replacement of Faulty Insulator.
Borivali-Boisar	15/12/2009	09.00	15/12/2009	18.00	R. M. Work.
Nasik-Bablsr Ckt I	15/12/2009	09.07	15/12/2009	19.10	Fixing of Vibration Damper.
220/100 KV 100 MVA ICT-III @ Tambati	15/12/2009	10.43	15/12/2009	14.45	R.M.Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Solapur - Ujani	20/11/2009	09.40		Continued.	Breaker replacement
PARAS-WARWAT BAKAL CKT.	15/12/2009	10.30		Continued.	Replacement fo CT.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Lonikand-Karad	12/12/2009	17:55		Continued.	Line taken on TBC at Lonikand end for B ph CB pole replacement
Padgha-Nagothane-II	15/12/2009	14.45	15/12/2009	18.22	Red Hot.
Koradi - Akola	15/12/2009	22.07	16/12/2009	02.05	Checking of C.T. @ Koradi.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	14/12/2009	05.39	15/12/2009	09.59	To control ICT loading at A'Bad,Charged from A'bad.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Aurangabad - Bhenda	12/12/2009	09.39		Continued.	H/T at A'Bad to control ICT loading
Lamboti-Bale-I	15/12/2009	16.44		Continued.	H/T,Attending Fault on Lamboti Bale-I
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Chikhali - Khamgaon	06/11/2009	11:35		Continued.	To Control Chikhali line loading.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Dec/2009

Position as on 6.30 Hrs of 16/Dec/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Chalisgaon - Manmad - I	15/12/2009	13.53	15/12/2009	19.40	To control Malegaon ICT loading.
Voltage Level : 400KV			Outage Type TRIPPED		
Bhusawal- Aurangabad	15/12/2009	18.03		Continued.	Tripped on Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Lamboti-Bale-I	15/12/2009	13.57		Continued.	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Dec/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	70
Unit 3	105	70
Unit 4	105	0
Unit 5	200	160
Unit 6	210	0
Unit 7	210	160
	1040	460
Bhusawal		
Unit 1	58	25
Unit 2	210	185
Unit 3	210	190
	478	400
Parli		
Unit 1	30	23
Unit 2	30	23
Unit 3	210	175
Unit 4	210	195
Unit 5	210	190
Unit 6	250	230
	940	836
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	140
Unit 4	210	170
Unit 5	500	450
Unit 6	500	450
Unit 7	500	425
	2340	1955
Paras		
Unit 2	55	25
Unit 3	250	220
	305	245
Khaparkheda		
Unit 1	210	190
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	800
Nasik		
Unit 1	120	95
Unit 2	120	95
Unit 3	210	180
Unit 4	210	190
Unit 5	210	0
	870	560
Uran		
All Units	852	600
	852	600
Koyna		
Stage 1-2	600	460
Stage 4	1000	250
Stage 3	320	240
	1920	950
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	44
BHIRA T.R.	80	42
RNGR+BHTSA	20	13
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	169
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	580
RGPL III	740	
	1700	580
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	110
Trombay 7B	60	70
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3270
	3143	3270