



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/Dec/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 02/Dec/2009 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	118.049	232.220	1) Madhya Pradesh	60.153	116.140
2) Hydro	4.111	13.828	2) Gujrat	17.156	28.501
3) Gas	14.203	29.822	3) Goa	-6.304	-12.496
Total MSGENCO	136.363	275.870	4) TAPS 1&2 (Inj.)	7.372	14.734
B) OTHERS			5) Pench (Excess)	-0.194	-0.367
1) RGPPL Gas	22.479	45.060	# Total Cent. Sector	78.183	146.512
2) Wind Generation	2.598	4.699	F) Other Exchanges		
3) PENCH (MS)	0.194	0.367	1) With TPCL	-4.102	-8.005
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	24.863	49.804	1) MSEDCL Bilateral	3.265	3.810
2) TPCL Hydro	5.596	11.201	Include PX	1.523	1.523
TOTAL TPCL	30.459	61.005	2) MUMBAI Bilateral	4.762	9.713
3) REL Thermal	12.727	25.464	Include PX	0.000	0.188
D) STATE			3) MUMBAI Schedule	4.762	9.713
1) Thermal (A1+C1+C3)	155.639	307.488	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	9.901	25.396	1) MSEDCL	235.715	464.503
3) Gas (A3+B1)	36.682	74.882	2) TPCL	31.051	62.190
4) Wind (B2)	2.598	4.699	3) REL	16.236	32.283
TOTAL STATE	204.820	412.465	TOTAL STATE	283.002	558.976

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	4889	4995	4911
MSGENCO Hydro	307	235	52
MSGENCO Gas	606	616	551
MSGENCO Total Generation	5802	5846	5514
Central Sector Receipt	3641	4409	2236
RGPPL	930	936	942
WIND	72	140	126
Exchange with TPCL	-301	-267	-6
MSEDCL DEMAND MET	10144	11091	8812
Load Shedding	2826	3061	1231
MSEDCL DEMAND (INCL. LS)	12970	14152	10043
TPCL GENERATION	1572	1598	781
REL GENERATION	528	526	532
TPCL+REL DEMAND	2401	2391	1319
STATE DEMAND MET	12545	13482	10131
STATE DEMAND (INCL. LS)	15371	16543	11362
Frequency (Hz)	49.62	49.60	50.12
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3911 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			60.51 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.42 Hz at 13.05 Hrs	49.15 Hz at 17.18 Hrs	49.78	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 02/Dec/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.73	3.44	82	66	70
Unit 2	1.65	3.27	72	65	70
Unit 3	1.69	3.35	75	53	70
Unit 4	1.72	3.38	77	61	70
Unit 5	3.90	7.68	191	150	160
Unit 6	3.58	7.13	163	139	150
Unit 7	3.68	7.36	182	127	150
	17.95	35.61			740
Bhusawal					
Unit 1	1.21	2.41	58	41	52
Unit 2	4.09	8.27	180	161	180
Unit 3	4.44	8.85	194	171	190
	9.74	19.53			422
Parli					
Unit 1	0.54	1.10	25	21	20
Unit 2	0.54	1.10	25	21	20
Unit 3	3.68	7.61	178	126	170
Unit 4	4.60	8.95	204	177	185
Unit 5	4.11	8.12	178	160	165
Unit 6	5.13	9.07	234	194	220
	18.60	35.95			780
Chandrapur					
Unit 1	3.60	7.23	154	144	160
Unit 2	3.63	7.20	159	139	160
Unit 3	4.00	7.68	198	128	210
Unit 4	3.83	7.51	174	124	180
Unit 5	10.26	18.44	453	390	450
Unit 6	0.00	5.76	0	0	0
Unit 7	10.50	19.13	459	412	450
	35.82	72.95			1610
Paras					
Unit 2	0.59	1.20	27	23	32
Unit 3	4.86	9.83	231	170	200
	5.45	11.03			232
Khaparkheda					
Unit 1	4.34	8.62	194	164	190
Unit 2	4.32	5.91	193	154	190
Unit 3	4.64	9.51	213	173	210
Unit 4	4.65	9.52	209	162	210
	17.96	33.57			800
Nasik					
Unit 1	2.08	4.25	92	68	95
Unit 2	2.18	4.35	99	80	95
Unit 3	4.76	9.24	203	192	190
Unit 4	3.52	5.75	192	97	180
Unit 5	0.00	0.00	0	0	0
	12.53	23.58			560
Uran					
All Units	14.20	29.82	656	548	630
	14.20	29.82			630
Koyna					
Stage 1-2	1.34	3.78	130	40	600
Stage 4	0.52	3.93	349	0	250
Kovna 12&4 Total	1.86	7.71			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.16	1.48	138	0	320
	2.01	9.20			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.36	0.75	60	0	60
BHTGR/VEER	0.41	0.91	65	0	18
BHIRA T.R.	0.25	0.44	78	0	80
RNGR+BHTSA	0.29	0.58	12	12	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.06	10	0	0
GHATGHAR	0.73	1.90	125	0	0
	2.10	4.63			173
PENCH (MS)					
Pench (MS)	0.19	0.37	47	0	0
	0.19	0.37			0
Wind					
MalharPeth	0.08	0.21			
Vankuswadi	0.27	0.46			
ATIT	0.04	0.08			
Kale	0.08	0.16			
Satara	0.15	0.19			
Shirala	0.09	0.20			
K Mahankal	0.01	0.11			
Supa	0.04	0.09			
Vita	0.51	1.02			
Dondaicha	0.70	1.13			
Sakri	0.11	0.18			
Nandurbar	0.08	0.14			
Khadakale	0.22	0.42			
Khaparale	0.20	0.32			
	2.60	4.70			
Dabhol					
RGPP L II	22.48	45.06	944	928	900
RGPP L III	0.00	0.00	0	0	0
	22.48	45.06			900
Tata					
Trombay 4	0.00	1.83	0	0	0
Trombay 5	10.88	21.49	455	430	500
Trombay 6	9.82	17.84	500	150	500
Trombay 7A	2.63	5.50	125	88	120
Trombay 7B	1.53	3.14	69	58	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.60	11.20	463	0	447
	30.46	61.00			1627
REL					
1&2	12.73	25.46	533	523	500
	12.73	25.46			500
Cent Sect					
Share					3040
					3040

MS PG CL	Thermal	118.05	232.22		5144
	Thml+Gas	132.25	262.04		5774
	Hydro	4.11	13.83		1343
	Total	136.36	275.87		7117
State Total		204.82	412.46		13184

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/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	4888	52	548	5488	942	111	2623	2424	-37	-4	8961	1513	10474	1552	12026	50.00
2	4955	52	550	5557	942	123	2625	2304	-37	-3	8923	1507	10430	1438	11868	50.05
3	4911	52	551	5514	942	126	2625	2236	-37	-6	8812	1231	10043	1319	11362	50.12
4	4929	72	551	5552	943	142	2625	2292	-37	-7	8922	1261	10183	1307	11490	50.09
5	4945	52	575	5572	942	145	2625	2380	-37	-10	9029	1380	10409	1331	11740	49.95
6	4909	102	580	5591	944	149	2612	2865	-37	-18	9531	1815	11346	1429	12775	49.65
7	4919	67	571	5557	943	144	2555	2617	-37	-20	9241	2954	12195	1542	13737	49.72
8	4924	52	616	5592	943	135	2870	2709	-37	-25	9354	3133	12487	1694	14181	49.75
9	4913	73	627	5613	942	121	2870	2826	-41	-28	9474	3167	12641	1827	14468	49.60
10	4915	178	627	5720	940	79	3006	3195	-257	-240	9694	3126	12820	2166	14986	49.57
11	4935	378	618	5931	935	90	3290	3272	-301	-291	9937	2923	12860	2381	15241	49.58
12	4889	307	606	5802	930	72	3318	3641	-301	-301	10144	2826	12970	2401	15371	49.62
13	4918	206	592	5716	928	55	3316	3806	-301	-264	10241	2819	13060	2380	15440	49.75
14	4930	211	592	5733	938	48	3315	3574	-301	-261	10032	2815	12847	2307	15154	50.00
15	4921	185	580	5686	933	42	3318	3682	-301	-270	10073	3002	13075	2345	15420	49.79
16	4933	81	567	5581	932	50	3319	3770	-301	-260	10073	2918	12991	2363	15354	49.73
17	4903	215	562	5680	930	68	3320	3832	-301	-269	10268	2850	13118	2348	15466	49.64
18	4905	549	573	6027	931	87	3321	3790	-301	-249	10613	2667	13280	2335	15615	49.52
19	4996	540	606	6142	936	111	3325	4232	-305	-313	11135	2908	14043	2426	16469	49.66
20	4995	235	616	5846	936	140	3047	4409	-306	-267	11091	3061	14152	2391	16543	49.60
21	4964	184	622	5770	934	161	3059	4134	-306	-254	10771	2756	13527	2261	15788	49.62
22	4880	91	656	5627	930	129	3059	3816	-305	-252	10297	2757	13054	2078	15132	49.92
23	4844	101	634	5579	931	143	3044	3247	-301	-247	9666	2504	12170	1910	14080	49.77
24	4828	76	583	5487	932	127	2909	3130	-233	-243	9433	1932	11365	1757	13122	50.02
MUs	118.05	4.11	14.20	136.36	22.48	2.60	72.00	78.18	-4.76	-4.10	235.72	59.82	295.54	47.29	342.83	49.78

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 02/Dec/2009

Position as on 6.30 Hrs of 03/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	10/12/2009
Nasik Unit 5	210	25/11/2009	01:50		Continued.	AOH	17/12/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	15/12/2009
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	
Chandrapur Unit 6	500	01/12/2009	18:25		Continued.	B.T.L.	04/12/2009
Tata Trombay 4	150	01/12/2009	19:16		Continued.	Low Demand.	
Koyna Unit 11	80	02/12/2009	09.45		Continued.	Stator core tightning work.	05/12/2009

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Dec/2009

Position as on 6.30 Hrs of 03/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		
WARDHA-AKOLA-II	24/10/2009	16.46		Continued.	H/T due to over voltage
Akola - Aurangabad - I	29/11/2009	17.30		Continued.	Hand Tripped
DHULE-SAR'SAROVAR-I	01/12/2009	13:16		Continued.	H/T for O/V.
Kolhapur-Mapusa Ckt I	03/12/2009	00.17		Continued.	H/T for O/V.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 315MVA ICT-I at Kharghar	01/12/2009	08:18	02/12/2009	19.22	PRV and MOG Replacement.
400 KV TBC at Koradi	02/12/2009	09.38	02/12/2009	17.57	Q.M.Work.
Karad-Lamboti	02/12/2009	10.03	02/12/2009	18.48	R.M.Work.
Akola 400 KV Bus-II	02/12/2009	14.43	03/12/2009	00.30	For charging of Main and tie bay of Akola-A'bad-I.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
220/132 KV 150 MVA ICT @ Amravati	22/11/2009	09:26		Continued.	Augmentation of 150 MVA ICT by 200 MVA ICT and other Works.
220/132 KV 150 MVA ICT-I at Dhule	23/11/2009	11:30	02/12/2009	22.45	Main C.B. Replacement work, ICT H V side on TBC.
220/66KV T/F at SICOM	27/11/2009	09:45		Continued.	L V Bkr Replacement work.
220 KV Main Bus-II at Ambazari.	02/12/2009	09.00	02/12/2009	17.05	Replacement of high level BI insulator string.
Apta-Uran-II	02/12/2009	09.08	02/12/2009	20.03	Line maintenance and bay maintenance work.
Washala-Ghatghar	02/12/2009	10.15	02/12/2009	18.18	Bus Outage.
Washala 220 KV Main Bus.	02/12/2009	10.50	02/12/2009	18.18	R.M.Work.
Raymond-Washala	02/12/2009	10.50	02/12/2009	19.12	Bus Outage.
220 KV Bus Coupler at Parly I	02/12/2009	11.45	02/12/2009	19.04	Breaker Testing Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Solapur - Ujani	20/11/2009	09.40		Continued.	Breaker replacement
Boiser - Palghar - I	01/12/2009	09:07		Continued.	CB Repl. at Palghar.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/132KV 100MVA IBT at Parli.	22/11/2009	22:17		Continued.	Compressor Problem.
Pophali-KDPH	01/12/2009	09:05	02/12/2009	11.45	Y Ph LA Burst at KDPH.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Kolhapur CKT II	02/12/2009	00:50	02/12/2009	09.18	H/T for O/V.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha--Dhamangaon	30/11/2009	03.23		Continued.	To load Akola ICT
Parbhani-Pusad	02/12/2009	09.36	02/12/2009	10.06	H/T to control Bhugaon-Pusad ckt load.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Chikhali - Khamgaon	06/11/2009	11:35		Continued.	To Control Chikhali line loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV 315MVA ICT	02/12/2009	16.45	02/12/2009	17.06	Bus bar trip relay operated.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/Dec/2009

Position as on 6.30 Hrs of 03/Dec/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
at Akola.					
Voltage Level : 132KV			Outage Type TRIPPED		
Harangul - Udgir	02/12/2009	05.10	02/12/2009	05.20	Tripped on distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 03/Dec/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	70
Unit 4	105	70
Unit 5	200	180
Unit 6	210	150
Unit 7	210	170
	1040	780
Bhusawal		
Unit 1	58	52
Unit 2	210	180
Unit 3	210	190
	478	422
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	130
Unit 4	210	155
Unit 5	210	165
Unit 6	250	215
	940	705
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	200
Unit 4	210	180
Unit 5	500	450
Unit 6	500	0
Unit 7	500	450
	2340	1600
Paras		
Unit 2	55	
Unit 3	250	
	305	
Khaparkheda		
Unit 1	210	180
Unit 2	210	160
Unit 3	210	170
Unit 4	210	160
	840	670
Nasik		
Unit 1	120	90
Unit 2	120	90
Unit 3	210	190
Unit 4	210	180
Unit 5	210	0
	870	550
Uran		
All Units	852	560
	852	560
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	0
TILLARI	60	60
BHTGR/VEER	21	30
BHIRA T.R.	80	0
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	105
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	
Trombay 6	500	
Trombay 7A	120	
Trombay 7B	60	
Trombay 8	250	0
TATA Hydro	444	447
	2024	447
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3346
	3143	3346

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