



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/Nov/2009

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	103.706	211.321	1) Madhya Pradesh	59.633	127.496
2) Hydro	20.036	30.288	2) Gujrat	26.909	55.102
3) Gas	14.562	29.368	3) Goa	-7.210	-13.609
Total MSGENCO	138.304	270.977	4) TAPS 1&2 (Inj.)	7.300	13.905
B) OTHERS			5) Pench (Excess)	-0.906	-2.079
1) RGPPL Gas	22.450	44.951	# Total Cent. Sector	85.726	180.815
2) Wind Generation	8.523	12.614	F) Other Exchanges		
3) PENCH (MS)	1.246	2.419	1) With TPCL	-4.813	-7.270
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	31.753	57.872	1) MSEDCL Bilateral	2.826	6.425
2) TPCL Hydro	4.786	5.216	Include PX	0.000	0.000
TOTAL TPCL	36.539	63.088	2) MUMBAI Bilateral	5.378	8.800
3) REL Thermal	6.889	19.410	Include PX	0.456	0.370
D) STATE			3) MUMBAI Schedule	5.378	8.800
1) Thermal (A1+C1+C3)	142.348	288.603	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	26.068	37.923	1) MSEDCL	251.436	504.506
3) Gas (A3+B1)	37.012	74.319	2) TPCL	31.680	58.672
4) Wind (B2)	8.523	12.614	3) REL	16.568	31.103
TOTAL STATE	213.951	413.459	TOTAL STATE	299.684	594.281

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4358	4365	4176
MSGENCO Hydro	1608	1890	94
MSGENCO Gas	620	627	600
MSGENCO Total Generation	6586	6882	4870
Central Sector Receipt	3396	3727	3706
RGPPL	927	930	946
WIND	380	354	277
Exchange with TPCL	-332	-316	-4
MSEDCL DEMAND MET	11010	11631	9848
Load Shedding	3523	3654	1776
MSEDCL DEMAND (INCL. LS)	14533	15285	11624
TPCL GENERATION	1728	1840	1066
REL GENERATION	263	262	392
TPCL+REL DEMAND	2323	2418	1462
STATE DEMAND MET	13333	14049	11310
STATE DEMAND (INCL. LS)	16856	17703	13086
Frequency (Hz)	49.36	49.51	49.86
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4823 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			98.58 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.24 Hz at 00.09 Hrs	49.06 Hz at 10.17 Hrs	49.62	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/Nov/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.69	3.40	83	54	60
Unit 2	1.39	2.85	76	34	60
Unit 3	0.94	2.38	76	0	60
Unit 4	1.68	3.19	83	58	70
Unit 5	3.16	6.41	149	120	130
Unit 6	3.00	6.26	153	105	110
Unit 7	3.18	6.40	177	107	110
	15.04	30.88			600
Bhusawal					
Unit 1	0.60	1.63	29	20	25
Unit 2	4.36	8.62	189	168	180
Unit 3	4.15	8.32	185	160	190
	9.11	18.57			395
Parli					
Unit 1	0.56	1.12	24	22	20
Unit 2	0.57	1.13	24	22	20
Unit 3	3.52	7.18	166	129	125
Unit 4	4.43	8.94	195	159	185
Unit 5	4.10	8.31	183	129	185
Unit 6	0.00	0.00	0	0	0
	13.18	26.68			535
Chandrapur					
Unit 1	3.73	7.47	166	146	170
Unit 2	0.00	0.00	0	0	0
Unit 3	3.58	7.62	172	120	150
Unit 4	4.59	9.30	202	156	200
Unit 5	5.84	5.84	447	0	110
Unit 6	9.97	19.97	435	388	425
Unit 7	8.79	18.44	450	245	425
	36.50	68.64			1480
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.42	9.40	219	0	210
	4.42	9.40			210
Khaparkheda					
Unit 1	4.49	9.30	209	166	200
Unit 2	4.70	9.48	205	174	190
Unit 3	0.00	0.00	0	0	0
Unit 4	1.35	6.28	206	0	210
	10.54	25.07			600
Nasik					
Unit 1	1.77	3.95	92	52	95
Unit 2	1.93	3.99	94	62	85
Unit 3	4.74	9.54	208	178	200
Unit 4	2.18	5.99	99	0	150
Unit 5	4.28	8.62	184	171	180
	14.91	32.09			710
Uran					
All Units	14.56	29.37	655	536	620
	14.56	29.37			620
Koyna					
Stage 1-2	3.21	5.54	425	35	600
Stage 4	11.33	15.64	1097	0	250
Koyna 12&4 Total	14.54	21.17			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.78	4.25	278	0	320
	17.32	25.42			1170
Hydro					
KDPH	0.48	0.95	20	19	36
VTRNA	0.00	0.00	0	0	0
TILLARI	0.37	0.72	60	0	60
BHTGR/VEER	0.85	0.95	36	35	4
BHIRA T.R.	0.21	0.48	70	0	80
RNGR+BHTSA	0.32	0.60	16	0	13
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.12	10	0	0
GHATGHAR	0.44	1.04	125	0	0
	2.72	4.86			193
PENCH (MS)					
Pench (MS)	1.25	2.42	54	20	
	1.25	2.42			
Wind					
MalharPeth	0.56	0.83			
Vankuswadi	1.51	2.30			
ATIT	0.40	0.50			
Kale	0.69	0.99			
Satara	0.58	1.27			
Shirala	0.57	0.88			
K Mahankal	0.90	0.95			
Supa	0.14	0.25			
Vita	1.80	2.84			
Dondaicha	0.19	0.29			
Sakri	0.05	0.08			
Nandurbar	0.01	0.02			
Khadakale	0.54	0.61			
Khaparale	0.58	0.80			
	8.52	12.61			
Dabhol					
RGPP L II	22.45	44.95	949	908	900
RGPP L III		0.00	0	0	
	22.45	44.95			900
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.68	21.16	500	375	500
Trombay 6	9.87	15.98	510	250	500
Trombay 7A	2.85	5.74	123	114	120
Trombay 7B	1.62	3.26	69	66	60
Trombay 8	5.73	11.73	252	150	250
TATA Hydro	4.79	5.22	422	0	447
	36.54	63.09			1877
REL					
1&2	6.89	19.41	478	262	250
	6.89	19.41			250
Cent Sect					
Share					3021
					3021

MS PG CL	Thermal	103.71	211.32		4530
	Thml+Gas	118.27	240.69		5150
	Hydro	20.04	30.29		1363
	Total	138.30	270.98		6513
State Total		213.95	413.46		12561

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/Nov/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	4371	163	598	5132	944	260	2692	3682	-52	-6	10032	1844	11876	1705	13581	49.98
2	4246	99	599	4944	946	294	2693	3615	-52	-2	9850	1885	11735	1594	13329	49.86
3	4176	94	600	4870	946	277	2695	3706	-52	-4	9848	1776	11624	1462	13086	49.86
4	4178	100	601	4879	947	274	2577	3754	-52		9908	2061	11969	1427	13396	49.81
5	4236	104	597	4937	948	252	2539	3721	-52	-2	9909	2173	12082	1409	13491	49.82
6	4300	440	591	5331	949	276	2485	3924	-52	-4	10529	2455	12984	1437	14421	49.70
7	4423	110	598	5131	947	278	2469	3363	-52	-12	9761	3501	13262	1502	14764	49.74
8	4279	120	637	5036	947	242	2711	3485	22	69	9832	3912	13744	1579	15323	49.56
9	4315	297	649	5261	947	246	2579	3133	22	74	9714	4052	13766	1775	15541	49.49
10	4326	917	639	5882	936	309	2881	3305	-250	-237	10249	4011	14260	2118	16378	49.33
11	4358	1608	620	6586	927	380	2961	3396	-342	-332	11010	3523	14533	2323	16856	49.36
12	4211	1728	616	6555	920	477	2953	3193	-342	-338	10860	3494	14354	2365	16719	49.41
13	4262	1232	607	6101	912	506	2950	3492	-342	-343	10722	3438	14160	2405	16565	49.43
14	4315	961	550	5826	908	483	2946	3577	-342	-344	10503	3542	14045	2307	16352	49.48
15	4373	813	536	5722	917	471	2944	3516	-342	-346	10333	3632	13965	2363	16328	49.64
16	4337	720	537	5594	920	457	2899	3665	-342	-344	10346	3785	14131	2395	16526	49.58
17	4190	1161	537	5888	923	384	2900	3613	-342	-341	10520	3733	14253	2364	16617	49.52
18	4224	1507	579	6310	926	344	2891	3799	-330	-333	11099	3313	14412	2338	16750	49.49
19	4365	1890	627	6882	930	354	2965	3727	-312	-316	11631	3654	15285	2418	17703	49.51
20	4489	1835	642	6966	940	362	2873	3672	-316	-297	11696	3570	15266	2427	17693	49.68
21	4490	1343	643	6476	941	373	2954	3978	-398	-375	11446	3326	14772	2322	17094	49.63
22	4438	1122	647	6207	940	427	2874	3638	-390	-367	10899	3380	14279	2195	16474	49.65
23	4448	1007	655	6110	943	420	2781	3257	-318	-294	10489	3125	13614	2069	15683	49.64
24	4355	665	654	5674	946	380	2809	3504	-346	-319	10238	2122	12360	1942	14302	49.73
MUs	103.70	20.04	14.56	138.30	22.45	8.53	67.02	85.72	-5.38	-4.81	251.42	75.31	326.73	48.24	374.97	49.62

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/Nov/2009

Position as on 6.30 Hrs of 03/Nov/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
Paras Unit 2	55	11/10/2009	13:29		Continued.	AOH.	05/11/2009
Cent_Sect NTPC(V-5)	210	21/10/2009	23.57		Continued.	Boiler Overhall	10/11/2009
Khaparkheda Unit 3	210	23/10/2009	23.59		Continued.	Annual Overhaul	19/11/2009
REL 2	250	02/11/2009	03.06		Continued.	Annual Overhaul	25/11/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	30/11/2009
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	
Tata Trombay 4	150	01/07/2009	00:46		Continued.	W/dn	
Uran Unit 3	60	05/07/2009	21.12		Continued.	Stator Earth Fault	
Chandrapur Unit 5	500	30/10/2009	14.20	02/11/2009	05.23	Boiler tube leakage.	
Chandrapur Unit 2	210	31/10/2009	06.30		Continued.	Boiler Tube leakage.	03/11/2009
Parli Unit 6	250	31/10/2009	13.01		Continued.	Hydrogen Leakage.	07/11/2009
Cent_Sect NTPC(K-6)	500	02/11/2009	02.50		Continued.	Boiler Tube Leakage	05/11/2009
Cent_Sect NTPC(K-1)	210	02/11/2009	05:06		Continued.	Boiler Tube Leakage.	05/11/2009
Khaparkheda Unit 4	210	02/11/2009	07:01		Continued.	Boiler Tube Leakage.	05/11/2009
Paras Unit 3	250	02/11/2009	16:30	02/11/2009	18:35	Flame Failure.	
Koradi Unit 3	105	02/11/2009	21:16		Continued.	Boiler Tube Leakage.	05/11/2009
Nasik Unit 4	210	02/11/2009	23:01		Continued.	Gland Tube Leakage.	03/11/2009

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

Position as on 6.30 Hrs of 03/Nov/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised 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
Dhule-S'Sarovar I	01/11/2009	17.06		Continued.	H/T for over voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Padgha-Tarapur CKT I	01/11/2009	22.36	02/11/2009	09:49	Bus bar protection operated at Padgha
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/132KV,200 MVA ICT-II at Bhusawal	26/10/2009	09.32		Continued.	Over hauling work.
400/220KV,315 MVA ICT-I at Kolhapur.	02/11/2009	09:40	02/11/2009	17:27	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
Bus-Coupler at Kalwa	26/10/2009	09.28		Continued.	C.B.Replacement.
Kalmeshwar-Kaparkheda	30/10/2009	11.42		Continued.	Breaker O/H
Kalwa-Mulund II	02/11/2009	09:20		Continued.	To Overhaul to 220 Kv ABB make SF6 Breaker. Line taken on TBC.
Kanhan - Bhandara - I	02/11/2009	09:25	02/11/2009	17:36	To Replace Insulator String.
Wardha--Dhamangaon	02/11/2009	10:07	02/11/2009	15:55	Maintenance Work.
Tilawani-Miraj	02/11/2009	11:38		Continued.	Retrofitting of ABB distance Protection Relay.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bhandara-Tekepar	29/10/2009	09.13		Continued.	Breaker Replacement.
Parbhani-Parthur	02/11/2009	10:50	02/11/2009	15:53	Retrofitting of Relays.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kandalgaon-Roha-I	02/11/2009	09:20	02/11/2009	18:30	Insulator Replacemant.
Voltage Level : 132KV			Outage Type FORCED OUTAGE		
Paras-Malegaon	17/10/2009	11.43		Continued.	Ckt on TBC due to main breaker Problem.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	30/10/2009	15.30	02/11/2009	10:05	H/T To load Akola ICT.
Wardha-Badnera	02/11/2009	22:37		Continued.	To load Akola ICT.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Pardi-Uppalwadi	28/10/2009	14.35		Continued.	H/T to control 132 kv Ambazari Manakapur ckt.flow.
Voltage Level : 500KV			Outage Type TRIPPED		
HVDC Pole II Padgha	02/11/2009	02.31	02/11/2009	11:25	Cooling Valve Pump tripped
Voltage Level : 400KV			Outage Type TRIPPED		
Padgha - Nagothane - I	01/11/2009	22.36	02/11/2009	00.40	Bus bar protection operated at Padgha
Padgha-Kharghar	01/11/2009	22.36	02/11/2009	00.09	Bus bar protection operated at Padgha
400/220KV 315 MVA ICT-I at padgha	01/11/2009	22.36	02/11/2009	00.26	Bus bar protection operated at Padgha
400/220KV 315MVA ICT-III at Padgha	01/11/2009	22.36	02/11/2009	01.55	Bus bar protection operated at Padgha
Padgha - Kalwa -II	01/11/2009	22.36	02/11/2009	00.00	Bus bar protection operated at Padgha
Padgha - HVDC AC Ckt - II	01/11/2009	22.36	02/11/2009	00.49	Bus bar protection operated at Padgha

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

Position as on 6.30 Hrs of 03/Nov/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Padgha - BBLSWR - II	01/11/2009	22.36	02/11/2009	00.14	Bus bar protection operated at Padgha
400/220KV, 315MVA ICT-II at Padgha	01/11/2009	22.36	02/11/2009	00.02	Bus bar protection operated at Padgha
Padgha-Kalwa-I	01/11/2009	22:36	02/11/2009	16:46	R ph CT Burst at Padaghe. Bus Bar protection operated.
Voltage Level : 220KV			Outage Type TRIPPED		
Borivali-Tarapur	02/11/2009	13:02	02/11/2009	13:45	Distance Protection.
Tifil-Trombay	02/11/2009	16:14	02/11/2009	16:40	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
132/11KV 16MVA T/F at Madgi	01/11/2009	01.45		Continued.	R phase CT caught fire
Ambazari - Amravati	01/11/2009	11.45	02/11/2009	01:40	Conductor Snapped
null					
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Gangakhed - Kandhar	01/11/2009	12.05		Continued.	Breaker replacement

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 03/Nov/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	70
Unit 3	105	0
Unit 4	105	75
Unit 5	200	130
Unit 6	210	130
Unit 7	210	130
	1040	610
Bhusawal		
Unit 1	58	25
Unit 2	210	180
Unit 3	210	180
	478	385
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	155
Unit 4	210	170
Unit 5	210	160
Unit 6	250	0
	940	525
Chandrapur		
Unit 1	210	165
Unit 2	210	0
Unit 3	210	200
Unit 4	210	210
Unit 5	500	400
Unit 6	500	425
Unit 7	500	425
	2340	1825
Paras		
Unit 2	55	0
Unit 3	250	210
	305	210
Khaparkheda		
Unit 1	210	170
Unit 2	210	190
Unit 3	210	0
Unit 4	210	0
	840	360
Nasik		
Unit 1	120	90
Unit 2	120	90
Unit 3	210	195
Unit 4	210	0
Unit 5	210	180
	870	555
Uran		
All Units	852	620
	852	620
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	36
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	27
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	228
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	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	250
	500	250
Cent Sect		
Share	3143	2811
	3143	2811