



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

State Load Dispatch Center, Airoli

Daily system Report

for

03/Nov/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 03/Nov/2009 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	107.800	319.121	1) Madhya Pradesh	57.241	184.737
2) Hydro	20.591	50.879	2) Gujrat	26.787	81.889
3) Gas	14.966	44.334	3) Goa	-7.085	-20.694
Total MSGENCO	143.357	414.334	4) TAPS 1&2 (Inj.)	7.244	21.149
B) OTHERS			5) Pench (Excess)	-1.022	-3.101
1) RGPPL Gas	22.495	67.446	# Total Cent. Sector	83.165	263.980
2) Wind Generation	7.844	20.458	F) Other Exchanges		
3) PENCH (MS)	1.022	3.441	1) With TPCL	-4.883	-12.153
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	33.183	91.055	1) MSEDCL Bilateral	3.813	10.238
2) TPCL Hydro	6.390	11.606	Include PX	1.688	1.688
TOTAL TPCL	39.573	102.661	2) MUMBAI Bilateral	5.452	14.252
3) REL Thermal	6.347	25.757	Include PX	-0.001	0.369
D) STATE			3) MUMBAI Schedule	5.452	14.252
1) Thermal (A1+C1+C3)	147.330	435.933	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	28.003	65.926	1) MSEDCL	253.000	757.506
3) Gas (A3+B1)	37.461	111.780	2) TPCL	34.025	92.697
4) Wind (B2)	7.844	20.458	3) REL	16.795	47.898
TOTAL STATE	220.638	634.097	TOTAL STATE	303.820	898.101

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4455	4791	4245
MSGENCO Hydro	1194	2061	175
MSGENCO Gas	615	634	659
MSGENCO Total Generation	6264	7486	5079
Central Sector Receipt	3344	3516	3436
RGPPL	924	944	946
WIND	428	181	438
Exchange with TPCL	-360	-354	-17
MSEDCL DEMAND MET	10653	11827	9936
Load Shedding	3603	3508	1771
MSEDCL DEMAND (INCL. LS)	14256	15335	11707
TPCL GENERATION	1865	1908	1240
REL GENERATION	262	263	267
TPCL+REL DEMAND	2487	2525	1524
STATE DEMAND MET	13140	14352	11460
STATE DEMAND (INCL. LS)	16743	17860	13231
Frequency (Hz)	49.34	49.68	49.64
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4851 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			94.29 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.02 Hz at 21.11 Hrs	49.08 Hz at 11.05 Hrs	49.57	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 03/Nov/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.97	5.36	84	74	75
Unit 2	1.51	4.36	75	0	70
Unit 3	0.00	2.38	0	0	0
Unit 4	1.98	5.17	87	75	75
Unit 5	3.38	9.79	154	132	130
Unit 6	2.91	9.16	141	74	130
Unit 7	3.26	9.66	152	122	130
	15.00	45.88			610
Bhusawal					
Unit 1	0.52	2.14	25	18	25
Unit 2	4.01	12.63	190	154	180
Unit 3	4.10	12.42	187	151	180
	8.62	27.19			385
Parli					
Unit 1	0.56	1.68	24	20	20
Unit 2	0.56	1.69	24	21	20
Unit 3	3.74	10.92	163	132	155
Unit 4	4.49	13.43	206	169	170
Unit 5	4.08	12.39	178	158	160
Unit 6	0.00	0.00	0	0	0
	13.43	40.11			525
Chandrapur					
Unit 1	3.84	11.31	166	156	165
Unit 2	1.68	1.68	149	0	0
Unit 3	3.87	11.49	180	135	200
Unit 4	4.72	14.03	203	176	210
Unit 5	9.96	15.80	452	372	400
Unit 6	9.54	29.51	415	350	425
Unit 7	9.03	27.47	401	268	425
	42.64	111.29			1825
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	5.28	14.68	234	207	210
	5.28	14.68			210
Khaparkheda					
Unit 1	1.80	11.10	168	0	170
Unit 2	4.57	14.05	203	162	190
Unit 3	0.00	0.00	0	0	0
Unit 4	2.66	8.94	212	0	0
	9.03	34.10			360
Nasik					
Unit 1	2.14	6.09	93	85	90
Unit 2	1.93	5.92	92	60	90
Unit 3	4.61	14.15	203	176	195
Unit 4	0.87	6.86	98	0	0
Unit 5	4.23	12.85	186	170	180
	13.79	45.88			555
Uran					
All Units	14.97	44.33	670	527	620
	14.97	44.33			620
Koyna					
Stage 1-2	4.04	9.58	470	35	600
Stage 4	10.24	25.87	1120	0	250
Kovna 12&4 Total	14.28	35.45			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	3.28	7.53	320	0	320
	17.56	42.98			1170
Hydro					
KDPH	0.47	1.42	20	19	36
VTRNA	0.00	0.00	0	0	0
TILLARI	0.60	1.33	61	0	60
BHTGR/VEER	0.94	1.89	40	39	27
BHIRA T.R.	0.24	0.73	84	0	80
RNGR+BHTSA	0.33	0.94	14	13	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	0.12	0	0	10
GHATGHAR	0.43	1.47	125	0	0
	3.03	7.90			228
PENCH (MS)					
Pench (MS)	1.02	3.44	54	0	
	1.02	3.44			
Wind					
MalharPeth	0.55	1.38			
Vankuswadi	1.43	3.73			
ATIT	0.28	0.78			
Kale	0.57	1.55			
Satara	0.46	1.73			
Shirala	0.49	1.37			
K Mahankal	0.68	1.64			
Supa	0.12	0.37			
Vita	1.15	3.99			
Dondaicha	0.66	0.95			
Sakri	0.15	0.23			
Nandurbar	0.03	0.05			
Khadakale	0.53	1.14			
Khaparale	0.75	1.55			
	7.84	20.46			
Dabhol					
RGPP L II	22.50	67.45	949	918	900
RGPP L III	0.00	0.00	0	0	
	22.50	67.45			900
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.58	32.74	500	420	500
Trombay 6	11.75	27.73	510	340	500
Trombay 7A	2.80	8.54	123	103	120
Trombay 7B	1.60	4.86	68	62	60
Trombay 8	5.45	17.18	253	160	250
TATA Hydro	6.39	11.61	481	0	447
	39.57	102.66			1877
REL					
1&2	6.35	25.76	267	260	250
	6.35	25.76			250
Cent Sect					
Share					2811
					2811

MS PG CL	Thermal	107.80	319.12		4470
	Thml+Gas	122.77	363.46		5090
	Hydro	20.59	50.88		1398
	Total	143.36	414.33		6488
State Total		220.64	634.10		12326

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 03/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	4353	543	656	5552	944	419	2554	3369	-50	-19	10318	1880	12198	1721	13919	49.63
2	4245	406	657	5308	945	418	2557	3202	-50	-16	9910	1921	11831	1602	13433	49.53
3	4245	175	659	5079	946	438	2562	3436	-50	-17	9936	1771	11707	1524	13231	49.64
4	4254	157	670	5081	947	407	2563	3387	-50	-18	9857	2021	11878	1493	13371	49.79
5	4259	589	670	5518	947	397	2567	2848	-50	-19	9744	2166	11910	1439	13349	49.51
6	4333	870	670	5873	949	413	2478	3120	-50	-30	10379	2453	12832	1540	14372	49.64
7	4381	404	665	5450	947	363	2480	3068	-50	-21	9860	3540	13400	1635	15035	49.55
8	4416	181	640	5237	947	342	2737	3015	24	53	9647	3966	13613	1711	15324	49.57
9	4395	197	640	5232	945	344	2731	3154	24	47	9776	3995	13771	1893	15664	49.48
10	4349	773	635	5757	931	405	2999	3173	-287	-267	10052	4062	14114	2290	16404	49.32
11	4455	1194	615	6264	924	428	3085	3344	-379	-360	10653	3603	14256	2487	16743	49.34
12	4438	1056	613	6107	919	446	2983	3504	-379	-360	10670	3521	14191	2543	16734	49.44
13	4421	480	611	5512	922	392	2977	4115	-379	-359	10635	3406	14041	2542	16583	49.55
14	4422	940	604	5966	918	322	2903	3585	-332	-312	10532	3483	14015	2499	16514	49.40
15	4454	1006	605	6065	924	260	2997	3796	-379	-360	10705	3604	14309	2527	16836	49.57
16	4602	981	602	6185	928	222	2997	3660	-379	-333	10662	3594	14256	2521	16777	49.59
17	4631	1290	581	6502	924	169	2950	3575	-379	-357	10813	3499	14312	2545	16857	49.44
18	4692	1771	578	7041	929	162	3035	3346	-318	-298	11180	3094	14274	2483	16757	49.46
19	4785	2058	621	7464	937	156	3059	3645	-350	-399	11825	3377	15202	2585	17787	49.52
20	4791	2061	634	7486	944	181	2818	3516	-303	-354	11827	3508	15335	2525	17860	49.68
21	4786	1571	631	6988	947	281	2821	3693	-303	-250	11712	3270	14982	2352	17334	49.75
22	4761	936	605	6302	944	260	2744	3720	-295	-248	11031	3315	14346	2246	16592	49.70
23	4688	709	577	5974	945	301	2757	3810	-303	-258	10826	3075	13901	2104	16005	49.67
24	4610	243	527	5380	942	317	2878	4039	-384	-328	10370	2232	12602	1996	14598	49.79
MUs	107.77	20.59	14.97	143.32	22.50	7.84	67.23	83.12	-5.45	-4.88	252.92	74.36	327.28	50.80	378.08	49.57

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 03/Nov/2009

Position as on 6.30 Hrs of 04/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 2	210	31/10/2009	06.30	03/11/2009	09.49	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	03/11/2009	21.36	Boiler Tube Leakage	05/11/2009
Cent_Sect NTPC(K-1)	210	02/11/2009	05:06	04/11/2009	08.14	Boiler Tube Leakage.	
Khaparkheda Unit 4	210	02/11/2009	07:01	03/11/2009	09.23	Boiler Tube Leakage.	
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	03/11/2009	14.30	Gland Tube Leakage.	03/11/2009
Khaparkheda Unit 1	210	03/11/2009	11.53		Continued.	Boiler tube leakage.	06/11/2009
Koradi Unit 2	105	03/11/2009	14.05	03/11/2009	16.24	Electrical protection operated.	
Parli Unit 3	210	04/11/2009	07.43		Continued.	C.W.P Tripped.	07/11/2009
Parli Unit 2	30	04/11/2009	13.48		Continued.	Furnace Pressure high.	05/11/2009
Cent_Sect NTPC(K-6)	500	04/11/2009	21.45		Continued.	BLR T/L.	07/11/2009

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Nov/2009

Position as on 6.30 Hrs of 04/Nov/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
Dhule-S'Sarovar I	01/11/2009	17.06	04/11/2009	18.48	H/T for over voltage
Dhule-Sar'Sarovar II	04/11/2009	22.00		Continued.	H/T For O/V.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
Chandrapur-Padaghe Pole - II	03/11/2009	09.14	03/11/2009	19.59	Maintenance of DC breaker at chandrapur end.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/132KV,200 MVA ICT-II at Bhusawal	26/10/2009	09.32		Continued.	Over hauling work.
Dabhol - Nagothane - I	03/11/2009	09.49	03/11/2009	18.23	Hot Spot attending 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.
220/132 KV,200MVA ICT-II At Kalmeshwar	30/10/2009	11.42		Continued.	Breaker O/H.ICT on TBC.
Kalwa-Mulund II	02/11/2009	09:20		Continued.	To Overhaul to 220 Kv ABB make SF6 Breaker. Line taken on TBC.
Tilawani-Miraj	02/11/2009	11:38	04/11/2009	20.50	Retrofitting of ABB distance Protection Relay.
Kanhan - Bhandara - I	03/11/2009	08.37	03/11/2009	16.23	Disc replacement work.
Talangade - Mumewadi	03/11/2009	08.50	03/11/2009	17.22	Insulator replacement work.
Raymond-Washala	03/11/2009	09.15	03/11/2009	18.22	Q.M.Work.
220/110KV 100 MVA ICT-II @ Miraj.	03/11/2009	10.15	03/11/2009	16.52	Q.M.Work.
Parly - Harangul - II.	03/11/2009	10.23	03/11/2009	12.50	Q.M.Work.
Parly - Harangul - I	03/11/2009	10.32	03/11/2009	17.13	Q.M.Work.
Karad-M'peth	03/11/2009	12.17	03/11/2009	17.36	Q.M.Work.
Jindal-Ghatghar	04/11/2009	08.00	04/11/2009	19.47	Insulator Replacement Work.
Karad-Pedambe	04/11/2009	08.30	04/11/2009	17.25	Insulator Replacement Work.
Talangade - Mumewadi	04/11/2009	09.21	04/11/2009	19.12	Insulator Replacement work.
Kanhan - Bhandara - I	04/11/2009	09.56	04/11/2009	17.07	Disc.Replacement Work.
Osmanabad-Parli	04/11/2009	09.58	04/11/2009	15.33	Faulty Disc Insulator String.
Nigade - Peth	04/11/2009	10.00	04/11/2009	10.50	Testing Work.
Trombay-Mulund	04/11/2009	10.10	04/11/2009	17.22	R.M.Work
Khaparkheda - Kanhan - II	04/11/2009	13.06	04/11/2009	18.15	Testing Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bhandara-Tekepar	29/10/2009	09.13		Continued.	Breaker Replacement.
Gangakhed - Kandhar	01/11/2009	12.05		Continued.	Breaker replacement
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kandalgaon-Roha-I	03/11/2009	09.15	03/11/2009	18.15	Insulator replacement work.
Kandalgaon-Roha-II	04/11/2009	09.25	04/11/2009	18.10	Insulator Replacement Work.
Voltage Level : 132KV			Outage Type FORCED OUTAGE		
Paras-Malegaon	17/10/2009	11.43		Continued.	Ckt on TBC due to main breaker Problem.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 03/Nov/2009

Position as on 6.30 Hrs of 04/Nov/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
C'pur-Parli II	04/11/2009	18.20		Continued.	Land Sliding at Loc.No 78 at Borgaon,Tal-Wani.
Chandrapur - Parly - 3	04/11/2009	18.30		Continued.	Land Sliding at Loc.78 at Borgaon,Tal-Wani.
LONIKHAND-PARLY-I	04/11/2009	22.36		Continued.	To Control CHDPR-PRL Line loading.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	02/11/2009	22:37		Continued.	To load Akola ICT.
Lonikhand-Ranjangaon	04/11/2009	06.50		Continued.	To Control LNKND ICT Loading.
Chinchwad-Parvati	04/11/2009	08.26	04/11/2009	11.16	To Control LNKND ICT Loading.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Pardi-Uppalwadi	28/10/2009	14.35	04/11/2009	09.43	H/T to control 132 kv Ambazari Manakapur ckt.flow.
Pardi-Uppalwadi	04/11/2009	18.26		Continued.	H/T To Control 132KV Ambazari-Mankapur load.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad-Lonikand.	03/11/2009	15.42	03/11/2009	16.00	Tripped on distance protection.
400/220KV ICT-I at Lonikand	04/11/2009	06.32	04/11/2009	15.24	Diff.Prot. B-Ph LA Burst.
Voltage Level : 220KV			Outage Type TRIPPED		
Karad-Wathar	03/11/2009	12.47	03/11/2009	13.06	PDR operated.
220/100 125 MVA ICT - II @ Trombay	04/11/2009	21.40		Continued.	Diff.Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 04/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	140
Unit 6	210	140
Unit 7	210	135
	1040	635
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	130
Unit 4	210	185
Unit 5	210	165
Unit 6	250	0
	940	520
Chandrapur		
Unit 1	210	170
Unit 2	210	150
Unit 3	210	200
Unit 4	210	210
Unit 5	500	425
Unit 6	500	425
Unit 7	500	300
	2340	1880
Paras		
Unit 2	55	0
Unit 3	250	220
	305	220
Khaparkheda		
Unit 1	210	0
Unit 2	210	190
Unit 3	210	0
Unit 4	210	210
	840	400
Nasik		
Unit 1	120	81
Unit 2	120	81
Unit 3	210	182
Unit 4	210	72
Unit 5	210	162
	870	578
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	20
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	40
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	223
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	3111
	3143	3111