



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Nov/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/Nov/2009 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	107.615	107.615	1) Madhya Pradesh	67.863	67.863
2) Hydro	10.252	10.252	2) Gujrat	28.193	28.193
3) Gas	14.806	14.806	3) Goa	-6.399	-6.399
Total MSGENCO	132.673	132.673	4) TAPS 1&2 (Inj.)	6.605	6.605
B) OTHERS			5) Pench (Excess)	-1.173	-1.173
1) RGPPL Gas	22.501	22.501	# Total Cent. Sector	95.089	95.089
2) Wind Generation	4.091	4.091	F) Other Exchanges		
3) PENCH (MS)	1.173	1.173	1) With TPCL	-2.457	-2.457
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	26.119	26.119	1) MSEDCL Bilateral	3.599	3.599
2) TPCL Hydro	0.430	0.430	Include PX	0.000	0.000
TOTAL TPCL	26.549	26.549	2) MUMBAI Bilateral	3.421	3.421
3) REL Thermal	12.521	12.521	Include PX	-0.086	-0.086
D) STATE			3) MUMBAI Schedule	3.421	3.421
1) Thermal (A1+C1+C3)	146.255	146.255	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	11.855	11.855	1) MSEDCL	253.070	253.070
3) Gas (A3+B1)	37.307	37.307	2) TPCL	26.992	26.992
4) Wind (B2)	4.091	4.091	3) REL	14.535	14.535
TOTAL STATE	199.508	199.508	TOTAL STATE	294.597	294.597

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	4448	4450	4406
MSGENCO Hydro	695	1376	182
MSGENCO Gas	616	596	668
MSGENCO Total Generation	5759	6422	5256
Central Sector Receipt	4181	4295	3684
RGPPL	919	933	948
WIND	218	124	178
Exchange with TPCL	-132	-195	2
MSEDCL DEMAND MET	10998	11632	10122
Load Shedding	3288	3538	1861
MSEDCL DEMAND (INCL. LS)	14286	15170	11983
TPCL GENERATION	1104	1246	1012
REL GENERATION	525	522	528
TPCL+REL DEMAND	1761	1963	1538
STATE DEMAND MET	12759	13595	11660
STATE DEMAND (INCL. LS)	16047	17133	13521
Frequency (Hz)	49.65	49.81	49.82
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4904 MW AT 14.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			96.75 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.3 Hz at 16:05 Hrs	49.11 Hz at 09:41 Hrs	49.74	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 01/Nov/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.71	1.71	85	62	70
Unit 2	1.46	1.46	78	42	70
Unit 3	1.44	1.44	84	35	70
Unit 4	1.51	1.51	76	48	70
Unit 5	3.24	3.24	150	123	150
Unit 6	3.26	3.26	153	125	150
Unit 7	3.22	3.22	153	104	150
	15.84	15.84			730
Bhusawal					
Unit 1	1.02	1.02	50	28	50
Unit 2	4.26	4.26	188	162	180
Unit 3	4.17	4.17	195	154	180
	9.45	9.45			410
Parli					
Unit 1	0.56	0.56	24	17	20
Unit 2	0.56	0.56	25	22	20
Unit 3	3.66	3.66	173	128	160
Unit 4	4.50	4.50	200	160	180
Unit 5	4.21	4.21	181	164	180
Unit 6	0.00	0.00	0	0	0
	13.50	13.50			560
Chandrapur					
Unit 1	3.74	3.74	164	150	165
Unit 2	0.00	0.00	0	0	0
Unit 3	4.04	4.04	192	137	200
Unit 4	4.72	4.72	208	189	210
Unit 5	0.00	0.00	0	0	0
Unit 6	10.01	10.01	457	376	400
Unit 7	9.64	9.64	460	313	425
	32.14	32.14			1400
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.98	4.98	216	198	210
	4.98	4.98			210
Khaparkheda					
Unit 1	4.81	4.81	210	188	200
Unit 2	4.78	4.78	207	187	190
Unit 3	0.00	0.00	0	0	0
Unit 4	4.93	4.93	213	183	210
	14.53	14.53			600
Nasik					
Unit 1	2.17	2.17	100	79	100
Unit 2	2.06	2.06	101	76	100
Unit 3	4.80	4.80	207	190	200
Unit 4	3.81	3.81	186	93	190
Unit 5	4.34	4.34	186	171	180
	17.18	17.18			770
Uran					
All Units	14.81	14.81	675	540	620
	14.81	14.81			620
Koyna					
Stage 1-2	2.32	2.32	220	40	600
Stage 4	4.31	4.31	716	0	250
Kovna 12&4 Total	6.63	6.63			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.47	1.47	234	0	320
	8.10	8.10			1170
Hydro					
KDPH	0.48	0.48	20	19	18
VTRNA	0.00	0.00	0	0	60
TILLARI	0.36	0.36	60	0	60
BHTGR/VEER	0.10	0.10	5	0	5
BHIRA T.R.	0.27	0.27	80	0	80
RNGR+BHTSA	0.29	0.29	12	12	15
BHANDARDRA	0.00	0.00	0	0	13
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.06	10	0	9
GHATGHAR	0.60	0.60	125	0	0
	2.15	2.15			260
PENCH (MS)					
Pench (MS)	1.17	1.17	54	27	
	1.17	1.17			
Wind					
MalharPeth	0.28	0.28			
Vankuswadi	0.79	0.79			
ATIT	0.11	0.11			
Kale	0.30	0.30			
Satara	0.69	0.69			
Shirala	0.32	0.32			
K Mahankal	0.05	0.05			
Supa	0.11	0.11			
Vita	1.03	1.03			
Dondaicha	0.10	0.10			
Sakri	0.03	0.03			
Nandurbar	0.01	0.01			
Khadakale	0.07	0.07			
Khaparale	0.22	0.22			
	4.09	4.09			
Dabhol					
RGPP L II	22.50	22.50	951	919	900
RGPP L III	0.00	0.00	0	0	
	22.50	22.50			900
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.49	9.49	500	250	350
Trombay 6	6.11	6.11	480	150	250
Trombay 7A	2.89	2.89	126	114	120
Trombay 7B	1.63	1.63	69	67	60
Trombay 8	6.00	6.00	251	250	250
TATA Hydro	0.43	0.43	72	0	447
	26.55	26.55			1477
REL					
1&2	12.52	12.52	528	488	500
	12.52	12.52			500
Cent Sect					
Share					3042
					3042

MS PG CL	Thermal	107.62	107.62		4680
	Thml+Gas	122.42	122.42		5300
	Hydro	10.25	10.25		1430
	Total	132.67	132.67		6730
State Total		199.51	199.51		12649

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/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	4496	375	662	5533	946	194	2686	3613	-44	-21	10319	2014	12333	1768	14101	49.59
2	4494	229	662	5385	947	188	2773	3500	-44	1	10075	2061	12136	1647	13783	49.59
3	4406	182	668	5256	948	178	2776	3684	-44	2	10122	1861	11983	1538	13521	49.82
4	4477	77	670	5224	948	166	2780	3672	-44	7	10071	2059	12130	1511	13641	49.83
5	4479	583	668	5730	950	159	2782	3279	-44	-5	10167	2179	12346	1475	13821	49.46
6	4533	521	675	5729	951	170	2691	3479	-44	-4	10378	2437	12815	1524	14339	49.76
7	4567	129	675	5371	948	176	2693	3578	-44	4	10130	3285	13415	1549	14964	49.77
8	4539	82	673	5294	947	130	2902	3633	40	59	10116	3702	13818	1512	15330	49.80
9	4475	93	663	5231	946	99	2826	3631	40	81	10041	3731	13772	1540	15312	49.63
10	4453	353	651	5457	934	122	3034	3588	-172	-129	10025	3804	13829	1681	15510	49.52
11	4486	608	630	5724	922	168	3077	4088	-172	-128	10827	3321	14148	1743	15891	49.49
12	4448	695	616	5759	919	218	3005	4181	-172	-132	10998	3288	14286	1761	16047	49.65
13	4465	187	540	5192	924	230	3136	4377	-172	-152	10624	3311	13935	1758	15693	49.80
14	4519	97	554	5170	935	183	3412	4552	-172	-139	10728	3409	14137	1745	15882	49.95
15	4476	112	556	5144	932	167	3297	4409	-172	-127	10552	3539	14091	1733	15824	49.83
16	4478	202	575	5255	935	142	3358	4263	-172	-132	10490	3629	14119	1735	15854	49.88
17	4448	197	575	5220	934	108	3300	4397	-172	-126	10560	3604	14164	1729	15893	49.79
18	4394	764	543	5701	928	122	3288	4385	-210	-169	11020	3213	14233	1768	16001	49.71
19	4450	1376	596	6422	933	124	3344	4295	-215	-195	11632	3538	15170	1963	17133	49.81
20	4562	1097	602	6261	935	145	3327	4257	-301	-257	11394	3610	15004	2037	17041	49.94
21	4529	1015	606	6150	935	182	3329	4324	-301	-257	11387	3300	14687	2026	16713	49.80
22	4487	875	612	5974	936	207	3250	4178	-292	-245	11103	3339	14442	1970	16412	49.75
23	4508	277	579	5364	934	253	2870	3863	-244	-194	10273	3175	13448	1937	15385	49.75
24	4446	126	555	5127	934	260	2888	3863	-255	-199	10038	2200	12238	1877	14115	49.84
MUs	107.62	10.25	14.81	132.67	22.50	4.09	72.82	95.09	-3.42	-2.46	253.07	73.61	326.68	41.53	368.21	49.74

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 01/Nov/2009

Position as on 6.30 Hrs of 02/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 01/Nov/2009

Position as on 6.30 Hrs of 02/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-Sar'Sarovar II	31/10/2009	17.10	01/11/2009	11.54	H/T For O/V.
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.
Dhabhol-N'Thane I	31/10/2009	10.46	01/11/2009	08.19	Line On TBC To attend CB Problem.
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-Kaparkhedra	30/10/2009	11.42		Continued.	Breaker O/H
K'gaon-Pirangut	01/11/2009	07.50	01/11/2009	16.55	Insulator replacement
220/100kv,125MVA ICT-II at Borivali	01/11/2009	09.15	01/11/2009	16.32	R.M. work
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		
Karad-New Koyna II	31/10/2009	15.09	01/11/2009	09.45	Tripped on Dist.Prot,Y-Ph to GND.
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

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Nov/2009

Position as on 6.30 Hrs of 02/Nov/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
400/220KV, 315MVA ICT-II at Padgha	01/11/2009	22.36	02/11/2009	00.02	Bus bar protection operated at Padgha
Padgha - BBLSWR - II	01/11/2009	22.36	02/11/2009	00.14	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
Padgha - Kalwa -II	01/11/2009	22.36	02/11/2009	00.00	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
400/220KV 315 MVA ICT-I at padgha	01/11/2009	22.36	02/11/2009	00.26	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		
220/132KV 150 MVA ICT at Sunflag.	01/11/2009	01.45	01/11/2009	02.25	Tripped with Madgi Occurrence.
Chinchwad-Urse	01/11/2009	12.25	01/11/2009	17.47	Distance protection
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		
Madgi-Kawlewada-II	01/11/2009	01.45	01/11/2009	02.38	Occurance at Madgi.
Bhandara-Mouda	01/11/2009	01.45	01/11/2009	02.20	Occurrence at Madgi
Madgi-Bhandara-I	01/11/2009	01.45	01/11/2009	02.55	Occurrence at Madgi
Madgi-Kawlewada-I	01/11/2009	01.45	01/11/2009	02.35	Occurance at Madgi.
Madgi-Sunflag-I	01/11/2009	01.45	01/11/2009	02.55	Occurance at Madgi.
132/11KV 16MVA T/F at Madgi	01/11/2009	01.45		Continued.	R phase CT caught fire
Madgi-Sunflag-II	01/11/2009	01.45	01/11/2009	02.54	Occurance at Madgi.
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 02/Nov/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	60
Unit 2	105	60
Unit 3	105	60
Unit 4	105	70
Unit 5	200	130
Unit 6	210	110
Unit 7	210	110
	1040	600
Bhusawal		
Unit 1	58	25
Unit 2	210	180
Unit 3	210	190
	478	395
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	125
Unit 4	210	185
Unit 5	210	185
Unit 6	250	0
	940	535
Chandrapur		
Unit 1	210	170
Unit 2	210	0
Unit 3	210	150
Unit 4	210	200
Unit 5	500	110
Unit 6	500	425
Unit 7	500	425
	2340	1480
Paras		
Unit 2	55	0
Unit 3	250	210
	305	210
Khaparkheda		
Unit 1	210	200
Unit 2	210	190
Unit 3	210	0
Unit 4	210	210
	840	600
Nasik		
Unit 1	120	95
Unit 2	120	85
Unit 3	210	200
Unit 4	210	150
Unit 5	210	180
	870	710
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	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	193
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	3021
	3143	3021