



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

State Load Dispatch Center, Airoli

Daily system Report

for

24/Nov/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 24/Nov/2009 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.530	2582.748	1) Madhya Pradesh	59.680	1450.315
2) Hydro	15.198	333.162	2) Gujrat	-5.363	208.088
3) Gas	15.726	343.287	3) Goa	-6.365	-147.791
Total MSGENCO	147.454	3259.197	4) TAPS 1&2 (Inj.)	7.340	174.540
B) OTHERS			5) Pench (Excess)	-0.309	-0.421
1) RGPPL Gas	22.605	532.388	# Total Cent. Sector	54.983	1684.731
2) Wind Generation	1.987	117.904	F) Other Exchanges		
3) PENCH (MS)	0.309	10.929	1) With TPCL	-2.422	-127.391
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	30.159	723.749	1) MSEDCL Bilateral	3.719	82.993
2) TPCL Hydro	4.872	94.532	Include PX	0.000	7.152
TOTAL TPCL	35.031	818.281	2) MUMBAI Bilateral	3.305	144.323
3) REL Thermal	12.695	201.577	Include PX	0.000	19.496
D) STATE			3) MUMBAI Schedule	3.305	149.433
1) Thermal (A1+C1+C3)	159.384	3508.074	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	20.379	438.623	1) MSEDCL	224.916	5477.758
3) Gas (A3+B1)	38.331	875.675	2) TPCL	33.020	759.611
4) Wind (B2)	1.987	117.904	3) REL	17.127	387.589
TOTAL STATE	220.081	4940.276	TOTAL STATE	275.063	6624.958

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	4835	4980	4703
MSGENCO Hydro	1083	1452	88
MSGENCO Gas	658	634	676
MSGENCO Total Generation	6576	7066	5467
Central Sector Receipt	2397	2796	1689
RGPPL	941	939	944
WIND	85	32	144
Exchange with TPCL	-160	-200	8
MSEDCL DEMAND MET	9873	10680	8252
Load Shedding	1277	2285	649
MSEDCL DEMAND (INCL. LS)	11150	12965	8901
TPCL GENERATION	1819	1847	923
REL GENERATION	528	528	532
TPCL+REL DEMAND	2507	2575	1447
STATE DEMAND MET	12380	13255	9699
STATE DEMAND (INCL. LS)	13657	15540	10348
Frequency (Hz)	49.78	49.83	50.12
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2523 MW AT 19.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			28.97 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.39 Hz at 13.57 Hrs	49.03 Hz at 06.22 Hrs	49.86	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 24/Nov/2009

Generating unit	Generation				OLC (MW)	Generating unit	Generation				OLC (MW)	
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)			Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)		
Koradi						Stage 3	2.66	47.82	240	0	320	
Unit 1	1.78	43.44	87	64	70		13.37	274.04			1170	
Unit 2	1.68	17.64	76	62	70	Hydro						
Unit 3	1.28	26.16	86	0	30	KDPH	0.00	3.62	0	0	36	
Unit 4	0.00	31.18	0	0	0	VTRNA	0.00	0.00	0	0	0	
Unit 5	3.33	68.05	162	105	140	TILLARI	0.38	10.56	60	0	60	
Unit 6	3.32	77.82	155	109	140	BHTGR/VEER	0.60	18.98	26	25	0	
Unit 7	3.22	80.96	165	100	100	BHIRA T.R.	0.20	5.72	78	0	80	
	14.61	345.27			550	RNGR+BHTSA	0.30	7.54	15	0	15	
Bhusawal						BHANDARDRA	0.00	5.63	0	0	0	
Unit 1	1.25	19.62	56	49	50	ELDARY	0.00	0.00	0	0	0	
Unit 2	4.32	95.57	190	163	185	PAITHAN	0.06	1.30	10	0	10	
Unit 3	4.54	91.44	200	170	190	GHATGHAR	0.30	5.77	125	0	0	
	10.12	206.64			425		1.83	59.12			201	
Parli						PENCH (MS)						
Unit 1	0.60	13.46	26	23	20	Pench (MS)	0.31	10.93	47	0	0	
Unit 2	0.58	12.12	25	22	20		0.31	10.93			0	
Unit 3	3.91	82.96	178	146	150	Wind						
Unit 4	4.45	105.12	199	161	190	MalharPeth	0.07	8.23				
Unit 5	4.04	96.36	176	158	165	Vankuswadi	0.30	18.50				
Unit 6	5.32	12.78	238	179	200	ATIT	0.03	4.51				
	18.89	322.79			745	Kale	0.04	7.39				
Chandrapur						Satara	0.06	7.31				
Unit 1	3.70	90.26	161	149	160	Shirala	0.08	6.35				
Unit 2	3.43	79.20	152	135	160	K Mahankal	0.06	5.22				
Unit 3	3.46	70.99	152	134	210	Supa	0.01	2.02				
Unit 4	3.48	91.32	160	129	210	Vita	0.32	21.21				
Unit 5	7.12	166.31	340	275	450	Dondaicha	0.70	17.60				
Unit 6	6.90	207.59	310	265	450	Sakri	0.13	2.55				
Unit 7	7.10	206.53	326	276	450	Nandurbar	0.06	1.68				
	35.19	912.20			2090	Khadakale	0.10	8.41				
Paras						Khaparale	0.04	6.91				
Unit 2	0.00	0.00	0	0	0		1.99	117.90				
Unit 3	3.25	114.89	204	0	210	Dabhol						
	3.25	114.89			210	RGPP L II	22.60	532.39	946	935	900	
Khaparkheda						RGPP L III	0.00	0.00	0	0	0	
Unit 1	4.26	86.62	186	163	180		22.60	532.39			900	
Unit 2	4.36	75.88	192	158	190	Tata						
Unit 3	4.50	17.37	204	177	190	Trombay 4	0.37	15.74	48	0	0	
Unit 4	4.79	111.06	212	162	210	Trombay 5	10.21	234.46	450	280	500	
	17.91	290.93			770	Trombay 6	9.52	229.04	500	150	500	
Nasik						Trombay 7A	2.75	66.82	125	83	120	
Unit 1	2.11	45.51	93	80	90	Trombay 7B	1.58	37.95	69	59	60	
Unit 2	2.14	43.94	94	84	90	Trombay 8	5.72	139.75	252	98	250	
Unit 3	4.20	107.38	192	156	180	TATA Hydro	4.87	94.53	461	0	447	
Unit 4	4.21	95.90	181	164	180		35.03	818.28			1877	
Unit 5	3.91	97.30	170	139	160	REL						
	16.57	390.04			700	1&2	12.70	201.58	532	527	500	
Uran							12.70	201.58			500	
All Units	15.73	343.29	678	606	620	Cent Sect						
	15.73	343.29			620	Share					2738	
Koyna											2738	
Stage 1-2	2.48	47.91	280	30	600							
Stage 4	8.23	178.31	840	0	250							
Koyna 12&4 Total	10.71	226.22			850							
							MS	Thermal	116.53	2582.75		5490
							PG	Thml+Gas	132.26	2926.04		6110
							CL	Hydro	15.20	333.16		1371
								Total	147.45	3259.20		7481
							State Total		220.08	4940.28		13496

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 24/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	4768	94	675	5537	943	137	2377	1870	-32	19	8506	644	9150	1643	10793	50.10
2	4686	78	677	5441	944	136	2377	1715	-32	18	8254	654	8908	1525	10433	50.04
3	4703	88	676	5467	944	144	2377	1689	-32	8	8252	649	8901	1447	10348	50.12
4	4664	93	674	5431	943	147	2381	1729	-32	17	8267	797	9064	1386	10450	50.13
5	4664	78	672	5414	943	148	2378	2054	-32	16	8575	837	9412	1389	10801	49.95
6	4793	140	676	5609	943	164	2377	2236	-32	20	8972	979	9951	1474	11425	49.78
7	4867	320	676	5863	943	166	2367	2220	-32		9192	1519	10711	1634	12345	49.51
8	4960	120	678	5758	945	172	2563	2193	51	67	9151	1698	10849	1763	12612	49.61
9	5014	183	678	5875	944	110	2574	2184	51	79	9218	1727	10945	1966	12911	49.68
10	5012	507	668	6187	944	88	2814	2138	-185	-152	9231	1757	10988	2268	13256	49.70
11	4835	1083	658	6576	941	85	2751	2397	-185	-160	9873	1277	11150	2507	13657	49.78
12	4771	1122	648	6541	941	60	2750	2251	-185	-145	9691	1323	11014	2521	13535	49.87
13	4782	888	638	6308	938	36	2764	2456	-185	-168	9584	1362	10946	2544	13490	49.81
14	4742	1186	639	6567	942	29	2793	2411	-185	-162	9787	1332	11119	2478	13597	49.97
15	4708	1328	625	6661	942	31	2776	2192	-185	-160	9666	1528	11194	2515	13709	50.01
16	4717	440	606	5763	935	35	2776	2770	-185	-164	9339	1805	11144	2495	13639	49.66
17	4885	767	606	6258	940	31	2776	2466	-185	-166	9529	2301	11830	2499	14329	49.88
18	4965	753	616	6334	937	27	2737	2417	-185	-174	9541	2101	11642	2507	14149	49.65
19	4980	1452	634	7066	939	32	2747	2796	-185	-200	10680	2285	12965	2575	15540	49.83
20	4993	1391	646	7030	940	37	2587	2761	-268	-218	10597	2186	12783	2507	15290	49.74
21	5030	1218	660	6908	941	38	2594	2733	-268	-205	10462	1960	12422	2361	14783	49.75
22	5089	819	664	6572	944	39	2640	2586	-268	-200	9950	1884	11834	2169	14003	50.03
23	4971	576	664	6211	943	41	2638	2457	-268	-198	9454	1554	11008	2054	13062	49.99
24	4866	474	672	6012	946	54	2649	2274	-268	-194	9092	1194	10286	1921	12207	50.07
MUs	116.46	15.20	15.73	147.39	22.60	1.99	62.56	55.00	-3.31	-2.42	224.86	35.35	260.22	50.15	310.36	49.86

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 24/Nov/2009

Position as on 6.30 Hrs of 25/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	25/11/2009	00:54	AOH.	
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	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	
Uran Unit 3	60	05/07/2009	21.12		Continued.	Stator Earth Fault	
Tata Trombay 4	150	18/11/2009	22.42		Continued.	W/Dn.	
Cent_Sect TARAPUR-4	540	20/11/2009	13.54		Continued.	Generator protection	25/11/2009
Koradi Unit 3	105	20/11/2009	22.20	24/11/2009	04:20	ESP PROBLEM	
Koradi Unit 4	115	22/11/2009	02.16	25/11/2009	10.00	Boiler Tube Leakage	25/11/2009
Paras Unit 3	250	24/11/2009	10:12	24/11/2009	13:49	Low Drum Level.	
Paras Unit 3	250	24/11/2009	14:11	24/11/2009	16:26	Reverse Power Protection.	
Paras Unit 2	55	25/11/2009	01:40	25/11/2009	03:36	Reverse Power Protection.	
Cent_Sect NTPC(V-4)	210	25/11/2009	09.00		Continued.	Boiler tube leakage.	28/11/2009
Paras Unit 2	55	25/11/2009	19.11		Continued.	Oil line leakages.	28/11/2009

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 24/Nov/2009

Position as on 6.30 Hrs of 25/Nov/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
TILLARY-PHONDA	12/11/2009	09.50		Continued.	PLCC work at Amona Stn.(4 days)
Mudshingi-Ponda	24/11/2009	11:05	24/11/2009	16:40	Removal of Bunching at Loc. No. 293.
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	09/11/2009	10:48		Continued.	H/T for O/V.
Wardha - Akola - I	11/11/2009	02.40		Continued.	H/T for O/V.
Seoni - Wardha	11/11/2009	02.41		Continued.	H/T for O/V.
Kolhapur-Mapusa Ckt I	24/11/2009	23.04	25/11/2009	06.31	H/T FOR O/V
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur-Mapusa Ckt I	24/11/2009	03:59	24/11/2009	06:19	H/T due to High Voltage at Kolhapur.
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.
Chandrapur-Parli -I	21/11/2009	09.04	24/11/2009	15:03	Diversion work
400 KV Jejuri Bus - I	23/11/2009	11:45	24/11/2009	18:15	ICT bay consturction work.
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		Continued.	Main C.B. Replacement work, ICT H V side on TBC.
KDPH-Wankuswadi	23/11/2009	15:00		Continued.	Taken on TBC for Breaker replacement.
Kalwa-Nasik	24/11/2009	08:03	24/11/2009	19:48	Line Maint. CT Repl.
220/22KV 50MVA T/F - I at Mahad	24/11/2009	08:27	24/11/2009	18:20	Bay Maint.
Karad - Vita - I	24/11/2009	09:52	24/11/2009	17:10	Insulator Repl.
220/110, 200MVA ICT - II at Apta	24/11/2009	10:00	24/11/2009	18:05	Q.M. Work.
ONGC-TSS	24/11/2009	10:15	24/11/2009	18:35	Line Maint.
Padghe - Nashik - II	25/11/2009	08.54	25/11/2009	09.43	Replacement of insulator.
Apta-Uran-IV	25/11/2009	10.14	25/11/2009	17.51	Attend hot spot.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bhandara-Tekepar	29/10/2009	09.13		Continued.	Breaker Replacement.
Solapur - Ujani	20/11/2009	09.40		Continued.	Breaker replacement
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Dabhol - Nagothane - I	24/11/2009	06:55	24/11/2009	12:12	Hot Spot on Y Ph Line Isolator.
Bus-I @ B/C @ Karad	24/11/2009	11:35	24/11/2009	17:28	R Ph Br. Problem(Air Leakage)
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/132KV 100MVA IBT at Parli.	22/11/2009	22:17		Continued.	Compressor Problem.
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.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/Nov/2009

Position as on 6.30 Hrs of 25/Nov/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Parli-Lonikand - II	16/11/2009	09:02		Continued.	H/T for controlling line loading of Chandrapur-Parali Lines
Karad-Kolhapur CKT I	21/11/2009	23:42	24/11/2009	04:06	H/T FOR O/V
Karad-Kolhapur CKT I	24/11/2009	22:20	25/11/2009	09:29	H/T for O/V.
Voltage Level : 220KV		Outage Type HAND TRIPPED			
Wardha-Badnera	22/11/2009	01:43	24/11/2009	11:19	To increase Akola ICT loading
Wardha--Dhamangaon	24/11/2009	23:34	25/11/2009	11:00	To increasae Akola ICT loading
Wardha-Badnera	25/11/2009	00:20	25/11/2009	11:10	To increase Akola ICT Loading
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			
Chandrapur - Bhadravati-IV	23/11/2009	15:49		Continued.	Bus bar Protection Operated.
Karad-Kolhapur CKT II	24/11/2009	03:11	24/11/2009	10:15	Tripped on O/V.
C;pur-Parli CKT .I	24/11/2009	16:23	25/11/2009	09:51	Tripped on Dist. Protn. Y-E.
Voltage Level : 220KV		Outage Type TRIPPED			
220/132KV 200MVA ICT-II at Jalna S/Stn.	23/11/2009	19:38		Continued.	Tripped on Diff. Prot.,OLTC Buchhlz.
Kalwa - Khargar	24/11/2009	11:15	24/11/2009	11:40	Tripped on Distn. Protn. Y-E,Z1.
Voltage Level : 132KV		Outage Type TRIPPED			
Harangul - Udgir	25/11/2009	02:21	25/11/2009	02:40	Tripped on distance protection.

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 25/Nov/2009

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi			KDPH	40	0
Unit 1	105	70	VTRNA	60	0
Unit 2	105	70	TILLARI	60	60
Unit 3	105	70	BHTGR/VEER	21	25
Unit 4	105	0	BHIRA T.R.	80	80
Unit 5	200	150	RNGR+BHTSA	20	15
Unit 6	210	130	BHANDARDRA	45	0
Unit 7	210	130	ELDARY	23	0
	1040	620	PAITHAN	12	0
Bhusawal			GHATGHAR	250	0
Unit 1	58	50	611	180	
Unit 2	210	185	PENCH (MS)		
Unit 3	210	190	Pench (MS)	53	
	478	425		53	
Parli			Wind		
Unit 1	30	20	MalharPeth	0	
Unit 2	30	20	Vankuswadi	0	
Unit 3	210	140	ATIT	0	
Unit 4	210	180	Kale	0	
Unit 5	210	165	Satara	0	
Unit 6	250	210	Shirala	0	
	940	735	K Mahankal	0	
Chandrapur			Supa	0	
Unit 1	210	160	Vita	0	
Unit 2	210	160	Dondaicha	0	
Unit 3	210	200	Sakri	0	
Unit 4	210	210	Nandurbar	0	
Unit 5	500	450	Khadakale	0	
Unit 6	500	450	Khaparale	0	
Unit 7	500	450		0	
	2340	2080	Dabhol		
Paras			RGPPL II	960	900
Unit 2	55	20	RGPPL III	740	
Unit 3	250	210		1700	900
	305	230	Tata		
Khaparkheda			Trombay 4	150	100
Unit 1	210	180	Trombay 5	500	500
Unit 2	210	190	Trombay 6	500	500
Unit 3	210	210	Trombay 7A	120	120
Unit 4	210	210	Trombay 7B	60	60
	840	790	Trombay 8	250	0
Nasik			TATA Hydro	444	447
Unit 1	120	90		2024	1727
Unit 2	120	90	REL		
Unit 3	210	180	1&2	500	500
Unit 4	210	180		500	500
Unit 5	210	0	Cent Sect		
	870	540	Share	3143	3001
Uran				3143	3001
All Units	852	620			
	852	620			
Koyna					
Stage 1-2	600	600			
Stage 4	1000	250			
Stage 3	320	320			
	1920	1170			
Hydro					