



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

State Load Dispatch Center, Airoli

Daily system Report

for

31/Oct/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 31/Oct/2009 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	107.464	3543.565	1) Madhya Pradesh	69.088	1743.814
2) Hydro	15.650	288.509	2) Gujrat	23.977	649.835
3) Gas	15.382	457.130	3) Goa	-7.322	-216.054
Total MSGENCO	138.496	4289.204	4) TAPS 1&2 (Inj.)	7.245	224.105
B) OTHERS			5) Pench (Excess)	-1.226	-23.548
1) RGPPL Gas	22.453	681.289	# Total Cent. Sector	91.762	2378.152
2) Wind Generation	6.446	142.010	F) Other Exchanges		
3) PENCH (MS)	1.226	24.323	1) With TPCL	-6.364	-219.068
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	22.978	841.041	1) MSEDCL Bilateral	5.805	93.263
2) TPCL Hydro	6.798	85.694	Include PX	1.375	10.325
TOTAL TPCL	29.776	926.735	2) MUMBAI Bilateral	7.232	242.678
3) REL Thermal	12.621	388.903	Include PX	0.224	15.152
D) STATE			3) MUMBAI Schedule	7.232	247.748
1) Thermal (A1+C1+C3)	143.063	4773.509	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	23.674	398.526	1) MSEDCL	254.019	7295.910
3) Gas (A3+B1)	37.835	1138.419	2) TPCL	31.717	1004.351
4) Wind (B2)	6.446	142.010	3) REL	17.068	530.332
TOTAL STATE	211.018	6452.464	TOTAL STATE	302.804	8830.593

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	4564	4538	4277
MSGENCO Hydro	629	1547	360
MSGENCO Gas	614	617	668
MSGENCO Total Generation	5807	6702	5305
Central Sector Receipt	4167	4200	3322
RGPPL	910	935	950
WIND	443	109	291
Exchange with TPCL	-508	-474	45
MSEDCL DEMAND MET	10863	11525	9966
Load Shedding	3641	3832	1779
MSEDCL DEMAND (INCL. LS)	14504	15357	11745
TPCL GENERATION	1404	1365	1058
REL GENERATION	525	523	529
TPCL+REL DEMAND	2437	2362	1542
STATE DEMAND MET	13300	13887	11508
STATE DEMAND (INCL. LS)	16941	17719	13287
Frequency (Hz)	49.47	49.65	49.56
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			5209 MW AT 15.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			96.56 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.25 Hz at 18:01 Hrs	48.95 Hz at 09:35 Hrs	49.57	.27 % 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 31/Oct/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	2.32	43.57	320	0	320
Unit 1	1.50	34.87	78	49	50		13.61	233.81			1170
Unit 2	1.32	40.50	82	40	50	Hydro					
Unit 3	1.16	41.63	69	19	50	KDPH	0.30	6.43	18	0	0
Unit 4	1.49	36.54	82	43	50	VTRNA	0.17	0.29	61	0	0
Unit 5	3.16	94.82	156	113	150	TILLARI	0.36	13.25	60	0	60
Unit 6	3.46	100.83	160	128	150	BHTGR/VEER	0.06	4.92	5	0	6
Unit 7	2.37	107.08	165	0	60	BHIRA T.R.	0.45	6.28	80	0	40
	14.47	456.26			560	RNGR+BHTSA	0.28	7.26	15	0	15
Bhusawal						BHANDARDRA	0.06	4.17	13	0	0
Unit 1	1.16	32.44	53	45	50	ELDARY	0.00	0.00	0	0	0
Unit 2	4.25	75.15	190	155	190	PAITHAN	0.00	1.54	0	0	0
Unit 3	4.38	121.01	190	174	190	GHATGHAR	0.35	10.57	125	0	0
	9.79	228.60			430		2.04	54.70			121
Parli						PENCH (MS)					
Unit 1	0.59	16.86	26	22	20	Pench (MS)	1.23	24.32	54	40	
Unit 2	0.58	15.85	26	23	20		1.23	24.32			
Unit 3	3.81	102.86	170	144	150	Wind					
Unit 4	4.46	122.17	200	167	170	MalharPeth	0.48	8.13			
Unit 5	4.21	124.71	180	164	170	Vankuswadi	1.25	16.28			
Unit 6	3.01	153.35	242	0	220	ATIT	0.32	5.22			
	16.66	535.80			750	Kale	0.08	3.36			
Chandrapur						Satara	1.66	13.24			
Unit 1	3.83	118.06	180	140	165	Shirala	0.49	6.20			
Unit 2	0.94	78.78	148	0	150	K Mahankal	0.04	3.56			
Unit 3	3.94	129.69	186	144	200	Supa	0.07	3.16			
Unit 4	4.73	142.36	204	178	210	Vita	1.24	25.13			
Unit 5	0.00	215.01	0	0	0	Dondaicha	0.26	30.53			
Unit 6	9.34	258.94	420	336	400	Sakri	0.07	6.10			
Unit 7	9.94	250.56	429	400	425	Nandurbar	0.03	3.80			
	32.72	1193.41			1550	Khadakale	0.22	8.84			
Paras						Khaparale	0.24	8.36			
Unit 2	0.00	4.72	0	0	0		6.45	141.91			
Unit 3	4.54	114.89	214	170	180	Dabhol					
	4.54	119.61			180	RGPPPL II	22.45	681.29	952	910	900
Khaparkheda						RGPPPL III	0.00	0.00	0	0	0
Unit 1	4.76	131.34	205	190	200		22.45	681.29			900
Unit 2	4.62	133.75	205	181	190	Tata					
Unit 3	0.00	90.62	0	0	0	Trombay 4	0.00	0.00	0	0	0
Unit 4	4.98	147.48	213	201	210	Trombay 5	0.53	255.82	200	0	0
	14.35	503.19			600	Trombay 6	12.07	301.64	510	420	500
Nasik						Trombay 7A	2.76	83.80	123	108	110
Unit 1	1.31	55.48	95	0	0	Trombay 7B	1.59	46.50	68	63	70
Unit 2	2.21	58.93	100	85	90	Trombay 8	6.02	153.28	253	250	250
Unit 3	4.68	144.74	204	185	197	TATA Hydro	6.80	85.69	469	35	447
Unit 4	2.43	114.24	184	0	0		29.78	926.74			1377
Unit 5	4.31	133.31	185	170	177	REL					
	14.93	506.70			464	1&2	12.62	388.90	529	523	500
Uran							12.62	388.90			500
All Units	15.38	457.13	673	604	640	Cent Sect					
	15.38	457.13			640	Share					3284
Koyna											3284
Stage 1-2	5.12	72.80	430	65	600						
Stage 4	6.17	117.45	802	0	250						
Koyna 12&4 Total	11.29	190.25			850						
						MS	Thermal	107.46	3543.56		4534
						PG	Thml+Gas	122.85	4000.70		5174
						CL	Hydro	15.65	288.51		1291
							Total	138.50	4289.20		6465
						State Total		211.02	6452.46		12526

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 31/Oct/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	4467	401	666	5534	944	375	2708	3271	5	44	10221	1980	12201	1795	13996	49.63
2	4373	206	665	5244	942	281	2758	3321	5	41	9882	2026	11908	1666	13574	49.56
3	4277	360	668	5305	950	291	2770	3322	5	45	9966	1779	11745	1542	13287	49.56
4	4344	189	671	5204	950	301	2773	3364	5	44	9916	1979	11895	1482	13377	49.70
5	4372	110	670	5152	950	314	2776	3623	5	41	10134	2109	12243	1466	13709	49.50
6	4363	460	667	5490	952	336	2675	3572	5	40	10443	2348	12791	1479	14270	49.50
7	4310	407	672	5389	951	330	2675	3441	5	39	10203	3305	13508	1572	15080	49.65
8	4328	291	673	5292	946	362	2957	3535	5	48	10236	3695	13931	1625	15556	49.64
9	4418	202	655	5275	944	333	3014	3670	-66	-32	10244	3759	14003	1794	15797	49.46
10	4516	310	627	5453	930	381	3320	3717	-402	-362	10173	3916	14089	2164	16253	49.31
11	4565	555	618	5738	918	430	3446	4063	-536	-508	10695	3492	14187	2333	16520	49.37
12	4564	629	614	5807	910	443	3441	4167	-536	-508	10863	3641	14504	2437	16941	49.47
13	4625	330	612	5567	920	366	3437	4429	-531	-505	10818	3654	14472	2425	16897	49.61
14	4406	348	609	5363	926	284	3433	4600	-531	-502	10719	3748	14467	2358	16825	49.65
15	4420	835	604	5859	920	216	3433	4357	-531	-518	10876	3807	14683	2373	17056	49.51
16	4522	859	607	5988	921	155	3432	4226	-531	-517	10813	3789	14602	2385	16987	49.47
17	4437	911	609	5957	921	109	3440	4187	-531	-485	10742	3669	14411	2338	16749	49.43
18	4497	1006	608	6111	931	97	3365	4425	-455	-430	11187	3457	14644	2300	16944	49.59
19	4538	1547	617	6702	935	109	3250	4200	-499	-474	11525	3832	15357	2362	17719	49.65
20	4581	1704	645	6930	934	132	3248	3884	-509	-482	11451	3827	15278	2420	17698	49.76
21	4668	1471	663	6802	935	164	3478	3848	-428	-387	11415	3487	14902	2301	17203	49.68
22	4623	969	662	6254	945	200	3213	3721	-384	-317	10856	3512	14368	2165	16533	49.73
23	4642	950	645	6237	936	215	3051	3269	-404	-352	10358	3183	13541	2028	15569	49.52
24	4607	600	635	5842	942	222	3052	3550	-404	-327	10282	2229	12511	1951	14462	49.61
MUs	107.46	15.65	15.38	138.50	22.45	6.45	75.14	91.76	-7.23	-6.36	254.02	76.22	330.24	48.76	379.00	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 31/Oct/2009

Position as on 6.30 Hrs of 01/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
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	
Nasik Unit 4	210	26/10/2009	02:20	31/10/2009	06.32	Boiler Tube Leakage.	
Nasik Unit 1	125	28/10/2009	22.10	31/10/2009	07.12	Turbine starting gear problem.	
Tata Trombay 5	500	30/10/2009	01.56	31/10/2009	21.18	BLR T/L.	
Koradi Unit 7	210	30/10/2009	09.42	31/10/2009	03.11	Furnace Press.high.	
Koradi Unit 7	210	31/10/2009	06.26	31/10/2009	07.53	Furnace Pressure high.	
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

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 31/Oct/2009

Position as on 6.30 Hrs of 01/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		
Mudshingi-Ponda	31/10/2009	08.50	31/10/2009	16.50	Insulator Replacement Work.
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-I	29/10/2009	03.12	31/10/2009	15.50	H/T due to O/V
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 : 220KV			Outage Type TRIPPED		
Nasik-Navsari -II	31/10/2009	02.40	31/10/2009	03.15	Dist.Prot. R TO E,Z-1.
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,105MVA Spare ICT-II @ Karad.	26/10/2009	10.20	31/10/2009	11.43	Unit Replacement of ICT-II.
400/220kv 315MVA ICT-II at Karad.	26/10/2009	17.16	31/10/2009	11:43	Y-Ph Unit replacement.
Dhabhol-N'Thane I	31/10/2009	10.46	01/11/2009	08.19	Line On TBC To attend CB Problem.
Karad-New Koyna II	31/10/2009	11.59	31/10/2009	14.50	Attending Hot Spot On Y-Ph Isolator.
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.
Padgha-Wada	30/10/2009	11.30	31/10/2009	04.56	Breaker Problem.
Kalmeshwar-Kaparkheda	30/10/2009	11.42		Continued.	Breaker O/H
220/132 KV 150 MVA ICT - I @ NSK.	31/10/2009	09.30	31/10/2009	11.55	For Connecting on line Oil regeneration machine.
Valve-Jamde	31/10/2009	11.25	31/10/2009	16.24	Line Side Isolator Maintenance Work.
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
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bhandara-Tekepar	29/10/2009	09.13		Continued.	Breaker Replacement.
Parbhani-Purna	31/10/2009	10.31	31/10/2009	15.30	Retrofitting of Relays.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kandalgaon-Roha-I	31/10/2009	10.15	31/10/2009	18.40	Insulator Replacement.
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 : 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 : 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.
Voltage Level : 220KV			Outage Type TRIPPED		
N.Koyna-Lote(p)	31/10/2009	12.15	31/10/2009	13.16	Tripped on Dist.Protection
Versova-Arey-II	31/10/2009	17.23	31/10/2009	17.52	Tripped on Dist.Protection.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 31/Oct/2009

Position as on 6.30 Hrs of 01/Nov/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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
Voltage Level : 132KV			Outage Type TRIPPED		
Boiser - MIDC	31/10/2009	14.12	31/10/2009	15.17	Tripped on Dist.Protection
Madgi-Kawlewada-II	01/11/2009	01.45	01/11/2009	02.38	Occurance at Madgi.
Madgi-Kawlewada-I	01/11/2009	01.45	01/11/2009	02.35	Occurance at Madgi.
132/11KV 16MVA T/F at Madgi	01/11/2009	01.45		Continued.	R phase CT caught fire
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-Sunflag-I	01/11/2009	01.45	01/11/2009	02.55	Occurance at Madgi.
Madgi-Sunflag-II	01/11/2009	01.45	01/11/2009	02.54	Occurance at Madgi.
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 01/Nov/2009

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi			KDPH	40	18
Unit 1	105	70	VTRNA	60	60
Unit 2	105	70	TILLARI	60	60
Unit 3	105	70	BHTGR/VEER	21	5
Unit 4	105	70	BHIRA T.R.	80	80
Unit 5	200	150	RNGR+BHTSA	20	15
Unit 6	210	150	BHANDARDRA	45	13
Unit 7	210	150	ELDARY	23	0
	1040	730	PAITHAN	12	9
Bhusawal			GHATGHAR	250	0
Unit 1	58	50		611	260
Unit 2	210	180	PENCH (MS)		
Unit 3	210	180	Pench (MS)	53	
	478	410		53	
Parli			Wind		
Unit 1	30	20	MalharPeth	0	
Unit 2	30	20	Vankuswadi	0	
Unit 3	210	160	ATIT	0	
Unit 4	210	180	Kale	0	
Unit 5	210	180	Satara	0	
Unit 6	250	0	Shirala	0	
	940	560	K Mahankal	0	
Chandrapur			Supa	0	
Unit 1	210	165	Vita	0	
Unit 2	210	0	Dondaicha	0	
Unit 3	210	200	Sakri	0	
Unit 4	210	210	Nandurbar	0	
Unit 5	500	0	Khadakale	0	
Unit 6	500	400	Khaparale	0	
Unit 7	500	425		0	
	2340	1400	Dabhol		
Paras			RGPPL II	960	900
Unit 2	55	0	RGPPL III	740	
Unit 3	250	210		1700	900
	305	210	Tata		
Khaparkheda			Trombay 4	150	0
Unit 1	210	200	Trombay 5	500	350
Unit 2	210	190	Trombay 6	500	250
Unit 3	210	0	Trombay 7A	120	120
Unit 4	210	210	Trombay 7B	60	60
	840	600	Trombay 8	250	250
Nasik			TATA Hydro	444	447
Unit 1	120	100		2024	1477
Unit 2	120	100	REL		
Unit 3	210	200	1&2	500	500
Unit 4	210	190		500	500
Unit 5	210	180	Cent Sect		
	870	770	Share	3143	3042
Uran				3143	3042
All Units	852	620			
	852	620			
Koyna					
Stage 1-2	600	600			
Stage 4	1000	250			
Stage 3	320	320			
	1920	1170			
Hydro					