



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Sep/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 12/Sep/2011 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	68.661	657.799	1) Madhya Pradesh	43.610	622.455
2) Hydro	18.884	308.881	2) Gujrat	47.136	475.167
3) Gas	14.061	169.969	3) Goa	-5.350	-61.099
Total MSGENCO	101.606	1136.649	4) TAPS 1&2 (Inj.)	7.826	80.386
B) OTHERS			5) Pench (Excess)	-1.041	-7.787
1) RGPPL Gas	26.537	260.184	# Total Cent. Sector	92.181	1109.122
2) Wind Generation	10.896	214.463	F) Other Exchanges		
3) CPP	30.629	295.818	1) With TPCL (Excess)	-8.774	-139.528
4) PENCH (MS)	1.041	7.787	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	32.231	193.653
1) TPCL Thermal	25.923	265.394	Include PX	14.170	44.507
2) TPCL Hydro	5.412	67.901	2) MUMBAI Bilateral	14.078	146.748
TOTAL TPCL	31.335	333.295	Include PX	0.712	6.457
3) REL Thermal	12.543	145.113	3) MUMBAI Schedule	14.078	146.748
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	107.127	1068.306	1) MSEDCL	254.116	2884.495
2) Hydro (A2+B3+C2)	25.337	384.569	2) TPCL	35.279	412.564
3) Gas (A3+B1)	40.598	430.153	3) REL	17.372	205.354
4) Wind (B2)	10.896	214.463	TOTAL STATE	306.767	3502.413
5) CPP (B3)	30.629	295.818			
TOTAL STATE	214.587	2393.309			

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	2778	3069	2878
MSGENCO Hydro	1484	1741	154
MSGENCO Gas	594	592	610
MSGENCO Total Generation	4856	5402	3642
Central Sector Receipt	4079	3866	2920
RGPPL	989	1174	1002
WIND	518	366	440
CPP	1286	1289	1286
Exchange with Mumbai	-697	-423	30
MSEDCL DEMAND MET	11071	11717	9365
Load Shedding (LS)	51	50	47
MSEDCL DEMAND (INCL. LS)	11122	11767	9412
TPCL GENERATION	1543	1594	989
REL GENERATION	526	527	525
TPCL+REL DEMAND	2766	2544	1484
STATE DEMAND MET	13837	14261	10849
Load Management (LM)	1094	2180	1075
Total Load Relief (LS+LM)	1145	2230	1122
UNRESTRICTED STATE DEMAND	14982	16491	11971
Frequency (Hz)	49.76	49.42	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.34 Hz at 13.04 Hrs	48.8 Hz at 20.08 Hrs	49.81	2.56 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 12/Sep/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	6.61	0	0	0
Unit 6	3.70	28.67	175	130	155
Unit 7	4.20	33.00	191	145	180
	7.90	68.29			335
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	1.38	13.56	125	0	0
Unit 4	0.00	0.00	0	0	
	1.38	13.56			0
Parli					
Unit 3	2.44	19.90	157	0	160
Unit 4	0.00	0.00	0	0	0
Unit 5	2.57	34.70	146	0	100
Unit 6	3.01	38.13	199	54	170
Unit 7	3.73	25.19	209	78	140
	11.76	117.91			570
Chandrapur					
Unit 1	2.60	20.71	134	78	110
Unit 2	2.67	20.92	135	93	100
Unit 3	2.35	9.72	134	29	140
Unit 4	0.00	0.00	0	0	0
Unit 5	6.38	76.80	300	250	275
Unit 6	7.23	81.56	372	232	250
Unit 7	7.33	27.62	428	225	300
	28.56	237.33			1175
Paras					
Unit 3	0.00	0.00	0	0	0
Unit 4	2.42	28.71	129	69	135
	2.42	28.71			135
Khaparkheda					
Unit 1	3.77	35.88	175	120	165
Unit 2	0.00	35.75	0	0	0
Unit 3	4.06	26.66	198	134	151
Unit 4	3.90	41.06	189	128	151
Unit 5	0.56	2.79	117	0	
	12.29	142.15			467
Nasik					
Unit 1	0.00	0.00	0	0	
Unit 2	0.00	0.00	0	0	
Unit 3	2.55	32.96	140	60	150
Unit 4	0.00	15.00	0	0	0
Unit 5	1.79	1.89	116	46	100
	4.34	49.85			250
Uran					
All Units	14.06	169.97	612	456	600
	14.06	169.97			600
Dabhol					
RGPPL	26.54	260.18	1433	989	950
	26.54	260.18			950
Koyna					
Stage 1-2	3.45	59.14	475	40	600
Stage 4	7.47	118.67	898	0	250
Stage 3	2.31	47.34	274	0	320
	13.22	225.15			1170
Kovna 12&4 Total	10.92	177.81			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	7.79	0	0	0
VTRNA	0.73	10.18	61	0	60
TILLARI	0.67	10.92	60	0	60
BHTGR/VEER	0.50	5.34	21	20	19
BHIRA T.R.	0.36	5.54	82	0	80
RNGR+BHTSA	0.41	5.58	17	17	19
BHANDARDRA	0.55	8.04	23	23	24
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.24	17.28	59	48	9
GHATGHAR	1.20	13.07	250	0	
	5.66	83.73			271
PENCH (MS)					
Pench (MS)	1.04	7.79	50	40	
	1.04	7.79			
Wind					
MalharPeth	0.93	11.61			
Vankuswadi	1.42	21.58			
ATIT	0.61	3.68			
Kale	0.40	7.56			
Satara	1.52	33.43			
Shirala	0.43	8.07			
K Mahankal	0.70	14.78			
Supa	0.20	3.44			
Vita	2.31	41.84			
Dondaicha	0.61	35.34			
Sakri	0.22	6.86			
Nandurbar	0.02	2.94			
Khandke	1.25	16.78			
Khaparale	0.26	6.55			
	10.90	214.46			
CPP					
JSW JAIGAD	21.26	198.19	900	809	825
WARDHA	6.24	70.13	264	256	260
Other CPPs	3.12	27.50			
	30.63	295.82			1085
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.65	125.05	490	435	490
Trombay 6	5.11	55.82	330	155	500
Trombay 7A	2.95	34.26	125	121	120
Trombay 7B	1.61	19.10	68	66	60
Trombay 8	4.61	31.17	232	150	200
TATA Hydro	5.41	67.90	387	0	447
	31.34	333.30			1817
REL					
1&2	12.54	145.11	527	488	500
	12.54	145.11			500
Cent Sect					
Share					3943
					3943

MS PG CL	Thermal	68.66	657.80		2932
	Thml+Gas	82.72	827.77		3532
	Hydro	18.88	308.88		1441
	Total	101.61	1136.65		4973
State Total		214.59	2393.31		13268

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/Sep/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAN D WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS														
1	2823	149	612	3584	1003	481	1280	2944	3147	-468	-183	9358	1528	9405	1698	12584	49.99
2	2762	154	612	3528	1001	457	1249	2913	3159	-404	-40	9400	1456	9447	1556	12412	49.92
3	2878	154	610	3642	1002	440	1286	2928	2920	-404	30	9365	1122	9412	1484	11971	50.00
4	2893	149	610	3652	1004	449	1282	2928	3057	-404	46	9535	1097	9582	1440	12072	50.00
5	2947	159	608	3714	1006	499	1287	2928	3200	-404	30	9781	1101	9828	1447	12329	49.97
6	2857	362	607	3826	1003	492	1234	2928	3636	-404	-46	10191	1179	10238	1554	12924	49.86
7	2870	544	607	4021	1001	495	1194	3506	4027	-429	-189	10599	1176	10648	1699	13474	49.90
8	2885	212	609	3706	999	515	1228	3505	4833	-449	-321	11005	1176	11054	1878	14059	49.93
9	3091	368	600	4059	997	605	1259	3517	4793	-479	-476	11279	1209	11356	2155	14643	49.89
10	2934	1129	587	4650	989	614	1289	3706	4246	-671	-551	11277	1165	11344	2495	14937	49.75
11	2778	1484	594	4856	989	518	1286	3731	4079	-734	-697	11071	1145	11122	2766	14982	49.76
12	2647	1558	593	4798	1001	451	1288	3731	4181	-734	-751	11012	1125	11062	2807	14944	49.81
13	2726	1260	596	4582	1016	453	1281	3722	4286	-734	-639	11023	1124	11073	2738	14885	49.83
14	2707	679	594	3980	1110	454	1284	3719	4369	-734	-533	10707	1126	10759	2628	14461	49.94
15	2744	861	599	4204	1136	477	1291	3718	4219	-734	-545	10826	1127	10876	2636	14589	49.82
16	2901	894	589	4384	1128	521	1294	3717	3838	-734	-527	10681	1135	10731	2621	14437	49.78
17	2976	689	588	4253	1146	510	1294	3731	4223	-713	-499	10970	1181	11020	2589	14740	49.88
18	2962	529	596	4087	1163	428	1285	3827	4074	-713	-477	10602	1429	10654	2560	14591	49.92
19	3010	1098	574	4682	1171	434	1288	3842	3887	-525	-431	11074	2047	11126	2554	15675	49.61
20	3069	1741	592	5402	1174	366	1289	3990	3866	-673	-423	11717	2230	11767	2544	16491	49.42
21	3103	1211	593	4907	1230	365	1288	3972	3952	-663	-396	11386	2237	11436	2434	16057	49.43
22	2838	959	578	4375	1414	278	1291	3779	3706	-653	-398	10706	2237	10756	2300	15243	49.61
23	2642	1357	456	4455	1421	277	1291	3183	3287	-643	-406	10365	2234	10412	2117	14716	49.71
24	2618	1184	457	4259	1433	317	1291	3039	3196	-577	-352	10186	1971	10233	1952	14109	49.77
MUs	68.66	18.88	14.06	101.61	26.54	10.90	30.63	83.50	92.18	-14.08	-8.77	254.12	34.56	255.34	52.65	341.32	49.81

NOTE : ALL VALUES IN MW

Mumbai Sch./Net Exch is shown with reference to MSETCL System. (+) indicates Mum. to MSETCL and (-) indicates MSETCL to Mum. Mumbai Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss # Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 12/Sep/2011

Position as on 6.30 Hrs of 13/Sep/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Chandrapur Unit 4	210	16/08/2011	00.04		Continued.	Annual Overhaul.	12/09/2011
Paras Unit 3	250	19/08/2011	16.33		Continued.	Annual Overhaul.	20/09/2011
Bhusawal Unit 2	210	22/08/2011	15.27		Continued.	AOH.	22/09/2011
Parli Unit 4	210	31/08/2011	01.07		Continued.	Annual Overhaul.	27/09/2011
Koradi Unit 5	200	03/09/2011	16.46		Continued.	I.D Fan problem. Mini Overhaul	22/09/2011
Dabhol 1B	230	05/09/2011	23.57		Continued.	Generator Inspection	15/10/2011
Nasik Unit 4	210	07/09/2011	20.03		Continued.	Wet coal problem.Mini Overhaul	25/09/2011
FORCED OUTAGE							
Dabhol 2A	230	05/09/2011	23.01	12/09/2011	17.39	Differential Pressure across STG(2X)Main Steam Control Valve increased	
Dabhol 2B	230	05/09/2011	23.08	12/09/2011	08.03	Differential Pressure across STG(2X)Main Steam Control Valve increased	
Dabhol 2X	290	05/09/2011	23.08	12/09/2011	11.19	Differential Pressure across STG(2X)Main Steam Control Valve increased	
Cent_Sect NTPC(K-4)	500	08/09/2011	14.26		Continued.	Ash handling problem.	12/09/2011
Cent_Sect NTPC(K-5)	500	08/09/2011	14.52		Continued.	Ash handling problem.	12/09/2011
Cent_Sect NTPC(K-6)	500	08/09/2011	15.03		Continued.	Ash handling problem.	
Bhusawal Unit 3	210	09/09/2011	07.48	12/09/2011	07.43	Low Drum Level	
Cent_Sect NTPC(K-1)	210	09/09/2011	18.18		Continued.	Circulation Problem	12/09/2011
CPP WPCL U-2	135	11/09/2011	08.12		Continued.	Withdrawn	
Parli Unit 5	210	11/09/2011	21.04	12/09/2011	01.05	Boiler Protection	
Khaparkheda Unit 2	210	11/09/2011	21.15		Continued.	Flame Failure	16/09/2011
Khaparkheda Unit 5	500	12/09/2011	05.55		Continued.	Generator Protection.	
Parli Unit 3	210	12/09/2011	09.25	12/09/2011	15.55	System Problem.	
Cent_Sect NTPC(V-8)	500	12/09/2011	20.20		Continued.	Tripped.	
Uran Unit 8	108	12/09/2011	22.10	13/09/2011	06.12	Exitusion T/F Oil Leakage.	
Bhusawal Unit 3	210	12/09/2011	22.31	13/09/2011	02.50	Boiler Problem.	
Bhusawal Unit 3	210	13/09/2011	03.40		Continued.	Boiler Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Sep/2011

Position as on 6.30 Hrs of 13/Sep/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - II	26/08/2011	21.28		Continued.	Over Voltage
Akola - Wardha - II	27/08/2011	03.20		Continued.	Over Voltage
Kolhapur - Mapusa - I	08/09/2011	22.31	12/09/2011	15.41	Over Voltage.
Karad - Solapur (PGCIL)	10/09/2011	18.24	12/09/2011	07.30	Over Voltage
Dhule-Sar'Sarovar - I	11/09/2011	23.13	12/09/2011	08.05	Over Voltage
Chandrapur - Bhadravati - III	12/09/2011	00.27	12/09/2011	06.18	Over Voltage.
Dhule-Khandwa-II	12/09/2011	00.38	12/09/2011	07.26	Over Voltage
Karad - Solapur (PGCIL)	12/09/2011	17.44		Continued.	Over Voltage.
Kolhapur - Mapusa - I	12/09/2011	23.05		Continued.	Over Voltage.
Dhule-Khandwa-I	12/09/2011	23.58		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Akola - Wardha - I	28/08/2011	04.20		Continued.	Over Voltage
IntraState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(8 MonthOutage)
220/132 KV 100 MVA ICT-I @ Chikhli.	30/07/2011	11.45		Continued.	Replacement by 200 MVA ICT.Up to 12.09.2011.
220/132 KV 250 MVA ICT at Ambazari	05/08/2011	10.41		Continued.	ICT is to be replaced by 200 MVA ICT Upto 12.9.11.
220/132 KV,200 MVA ICT-II At Chalisgaon	08/09/2011	11.58	12/09/2011	14.00	ICT taken on TBC for bus isolator replacement work.
Khaparkheda-Kawlewada-II	12/09/2011	08.17		Continued.	O/H of SF-6 C B (CKT ON TBC)
220/110KV 100MVA T/F-III at Miraj	12/09/2011	11.00		Continued.	Augmentation of 100 MVA to 200 MVA T/F.
Mudshingi-Talandage-II	12/09/2011	11.15	12/09/2011	17.29	Replacement of Suspension.
Padgha - Jindal	12/09/2011	11.19	12/09/2011	14.18	Attend Red Hot Spot Y Ph.Wave Trap.
220/132 KV 200 MVA ICT-IV @ Nasik OCR	12/09/2011	11.40	12/09/2011	17.12	Tendelta Measurment.
Badnera-Akola Ckt.I	12/09/2011	13.16	12/09/2011	14.28	Replacement of PDR Relay(Ckt is on TBC)
Talandge - Sawantwadi	12/09/2011	13.42	12/09/2011	17.29	Outage.
220/132KV 200 MVA ICT I at Chalisgaon	12/09/2011	15.24	12/09/2011	17.14	Disconnection of Main Bus Isolator.
220/132KV 200 MVA ICT I at Chalisgaon	12/09/2011	17.14		Continued.	Main Bus Isolator Replacement Work. (ICT HV Side is on TBC)
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Main Bus-I at Bhusawal-I	27/08/2011	13.08		Continued.	Bus and Line Isolator repl.work
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Kalmeshwar-Ambazari	12/09/2011	08.31	12/09/2011	18.39	Disc Insulator Replacement Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Kolhapur-II	29/08/2011	16.20		Continued.	Over Voltage.
Akola - Bhusawal	06/09/2011	23.00		Continued.	Over Voltage.
Bhusawal- Aurangabad	11/09/2011	17.37	12/09/2011	07.25	Over Voltage
Lonikand- Koyna Stage IV	11/09/2011	22.55	12/09/2011	08.42	Over Voltage

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 12/Sep/2011

Position as on 6.30 Hrs of 13/Sep/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Chandrapur - Parli - III	12/09/2011	00.27	12/09/2011	06.18	Over Voltage
Bhusawal- Aurangabad	12/09/2011	20.59	13/09/2011	06.19	Over Voltage.
Chandrapur - Parli - II	12/09/2011	23.12	13/09/2011	06.21	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha-Temghar I	20/08/2011	15.18		Continued.	To Control Padgha ICT Load
Padgha - Temghar - II	25/08/2011	11.50		Continued.	To control Padgha ICT Load
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV 105 MVA Spare ICT at Parly II	22/08/2011	13.50		Continued.	To Remove Trip Coil Assembly for Bus Coupler.
Bablswr-Padgha Ckt I	13/09/2011	02.17	13/09/2011	06.15	Over Voltage from Bbslr end & D T Received on Padgha end.
400/220 KV 500 MVA New ICT @ Babaleshwar	13/09/2011	02.17		Continued.	REF Protection Operated.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100KV 200MVA ICT-III at Kalwa	03/04/2011	16.00		Continued.	Buchholz Trip,Diff.Prot.operated,PRV tripped(Failed).
Karad - Kiniwathar	11/09/2011	21.15	12/09/2011	05.55	Distance Protection
Miraj-Maisal	11/09/2011	23.18	12/09/2011	00.15	Distance Protection
Badnera-Amravati	12/09/2011	10.26	12/09/2011	10.38	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Bhusawal - Jalgaon - I	12/09/2011	14.20	12/09/2011	14.38	Distance Protection,B Ph.
Jalgaon - Jalgaon MIDC	12/09/2011	14.20	12/09/2011	14.38	Radial.
Bhusawal - Jalgaon - II	12/09/2011	14.20	12/09/2011	14.38	Distance Protection,B Ph.
Kharephaten - Kankawali	12/09/2011	20.15	12/09/2011	20.29	132/33KV 25 MVA T/F-I Y Ph. H V Side C T Burst @ Kankawali.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/Sep/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	140
	620	270
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	0	
	420	0
Parli		
Unit 3	210	145
Unit 4	210	0
Unit 5	210	160
Unit 6	250	60
Unit 7	250	95
	1130	460
Chandrapur		
Unit 1	210	125
Unit 2	210	130
Unit 3	210	160
Unit 4	210	0
Unit 5	500	250
Unit 6	500	250
Unit 7	500	250
	2340	1165
Paras		
Unit 3	250	0
Unit 4	250	100
	500	100
Khaparkheda		
Unit 1	210	150
Unit 2	210	0
Unit 3	210	150
Unit 4	210	150
Unit 5	500	
	1340	450
Nasik		
Unit 1	120	
Unit 2	120	
Unit 3	210	100
Unit 4	210	0
Unit 5	210	100
	870	200
Uran		
All Units	852	580
	852	580
Dabhol		
RGPP	1940	1550
	1940	1550
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	0

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	21
BHIRA T.R.	80	80
RNGR+BHTSA	20	17
BHANDARDRA	45	23
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	271
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	
Khandke	0	
Khaparale	0	
	0	
CPP		
JSW JAIGAD	600	825
WARDHA	405	260
Other CPPs	0	
	1005	1085
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	500
	500	500
Cent Sect		
Share	3455	3478
	3455	3478