



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Sep/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Sep/2011 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	70.861	1176.145	1) Madhya Pradesh	42.613	997.431
2) Hydro	22.399	477.010	2) Gujrat	53.792	866.736
3) Gas	15.334	281.180	3) Goa	-6.127	-108.368
Total MSGENCO	108.594	1934.335	4) TAPS 1&2 (Inj.)	7.784	142.808
B) OTHERS			5) Pench (Excess)	-0.931	-15.617
1) RGPPL Gas	36.416	545.393	# Total Cent. Sector	97.131	1882.990
2) Wind Generation	6.899	273.065	F) Other Exchanges		
3) CPP	30.516	519.286	1) With TPCL (Excess)	-11.505	-230.427
4) PENCH (MS)	0.931	15.792	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	37.395	420.378
1) TPCL Thermal	26.981	467.355	Include PX	12.977	127.600
2) TPCL Hydro	4.696	101.847	2) MUMBAI Bilateral	12.661	249.506
TOTAL TPCL	31.677	569.202	Include PX	0.751	12.022
3) REL Thermal	12.544	244.470	3) MUMBAI Schedule	12.661	249.506
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	110.386	1887.970	1) MSEDCL	268.982	4940.434
2) Hydro (A2+B3+C2)	28.026	594.649	2) TPCL	37.138	697.190
3) Gas (A3+B1)	51.750	826.573	3) REL	18.588	346.875
4) Wind (B2)	6.899	273.065	TOTAL STATE	324.708	5984.499
5) CPP (B3)	30.516	519.286			
TOTAL STATE	227.577	4101.543			

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	3029	2892	2827
MSGENCO Hydro	1208	1908	109
MSGENCO Gas	636	634	640
MSGENCO Total Generation	4873	5434	3576
Central Sector Receipt	4490	3990	3843
RGPPL	1525	1507	1530
WIND	102	472	256
CPP	1260	1271	1240
Exchange with Mumbai	-705	-586	-268
MSEDCL DEMAND MET	11587	12116	10217
Load Shedding (LS)	57	51	48
MSEDCL DEMAND (INCL. LS)	11644	12167	10265
TPCL GENERATION	1601	1593	851
REL GENERATION	525	522	524
TPCL+REL DEMAND	2831	2701	1643
STATE DEMAND MET	14418	14817	11860
Load Management (LM)	1275	2430	1193
Total Load Relief (LS+LM)	1332	2481	1241
UNRESTRICTED STATE DEMAND	15750	17298	13101
Frequency (Hz)	49.82	49.76	49.80

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.22 Hz at 07.59 Hrs	49.24 Hz at 18.53 Hrs	49.8	0 % 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 20/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	2.89	52.39	155	0	152
Unit 7	3.54	59.02	170	120	174
	6.42	118.02			326
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.65	35.40	170	125	150
Unit 4		0.00	0	0	0
	3.65	35.40			150
Parli					
Unit 3	3.20	40.08	155	92	130
Unit 4	0.00	0.00	0	0	0
Unit 5	2.51	57.51	146	80	120
Unit 6	0.00	55.99	0	0	0
Unit 7	2.19	47.99	152	67	100
	7.90	201.57			350
Chandrapur					
Unit 1	3.36	43.10	152	109	124
Unit 2	3.28	42.50	143	128	115
Unit 3	3.15	31.13	164	85	143
Unit 4	0.00	0.00	0	0	0
Unit 5	6.54	126.42	310	225	230
Unit 6	6.25	108.92	330	215	230
Unit 7	7.31	84.02	352	259	256
	29.88	436.10			1098
Paras					
Unit 3	0.00	0.00	0	0	0
Unit 4	2.98	54.90	165	104	130
	2.98	54.90			130
Khaparkheda					
Unit 1	3.27	65.02	155	110	140
Unit 2	3.27	45.71	170	71	140
Unit 3	3.69	57.13	169	137	140
Unit 4	3.69	71.40	167	130	140
Unit 5		2.79	0	0	
	13.92	242.06			560
Nasik					
Unit 1		0.00	0	0	
Unit 2		0.00	0	0	
Unit 3	3.20	57.97	170	95	142
Unit 4	0.00	15.00	0	0	0
Unit 5	2.90	15.13	161	85	122
	6.10	88.10			264
Uran					
All Units	15.33	281.18	655	628	630
	15.33	281.18			630
Dabhol					
RGPPL	36.42	545.39	1542	1494	1610
	36.42	545.39			1610
Koyna					
Stage 1-2	5.34	99.37	525	40	600
Stage 4	10.33	187.92	898	0	250
Stage 3	3.30	72.57	302	0	320
	18.96	359.86			1170
Kovna 12&4 Total	15.66	287.29			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	7.79	0	0	0
VTRNA	0.00	14.73	0	0	0
TILLARI	0.45	15.37	60	0	60
BHTGR/VEER	0.31	7.12	13	12	10
BHIRA T.R.	0.39	8.52	82	0	40
RNGR+BHTSA	0.40	8.76	17	16	18
BHANDARDRA	0.48	12.20	32	14	20
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.68	24.94	38	25	10
GHATGHAR	0.73	17.72	250	0	0
	3.43	117.15			158
PENCH (MS)					
Pench (MS)	0.93	15.79	45	17	
	0.93	15.79			
Wind					
MalharPeth	0.24	14.54			
Vankuswadi	0.45	26.72			
ATIT	0.08	4.56			
Kale	0.03	9.36			
Satara	0.15	40.54			
Shirala	0.25	9.78			
K Mahankal	1.04	18.71			
Supa	0.13	4.33			
Vita	1.34	51.56			
Dondaicha	2.16	50.37			
Sakri	0.33	9.42			
Nandurbar	0.23	4.64			
Khandke	0.24	20.01			
Khaparale	0.22	8.53			
	6.90	273.06			
CPP					
JSW JAIGAD	21.28	346.40	944	802	825
WARDHA	6.23	119.95	266	255	260
Other CPPs	3.01	52.93			
	30.52	519.29			1085
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.29	211.41	490	350	490
Trombay 6	6.34	98.33	430	155	500
Trombay 7A	2.98	57.61	126	122	120
Trombay 7B	1.63	31.97	69	67	60
Trombay 8	4.75	68.04	245	153	250
TATA Hydro	4.70	101.85	387	0	447
	31.68	569.20			1867
REL					
1&2	12.54	244.47	526	507	500
	12.54	244.47			500
Cent Sect					
Share					3822
					3822

MS PG CL	Thermal	70.86	1176.14			2878
	Thml+Gas	86.20	1457.32			3508
	Hydro	22.40	477.01			1328
	Total	108.59	1934.34			4836
State Total		227.58	4101.54			13720

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/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	2865	342	644	3851	1524	248	1193	3206	3635	-395	-361	10131	1708	10179	1893	13732	49.90
2	2810	145	639	3594	1528	277	1239	3183	3777	-366	-253	10202	1622	10250	1726	13550	49.86
3	2827	109	640	3576	1530	256	1240	3183	3843	-366	-268	10217	1241	10265	1643	13101	49.80
4	2874	114	639	3627	1532	280	1244	3176	3797	-366	-196	10324	1184	10372	1594	13102	49.90
5	2978	124	644	3746	1533	265	1236	3168	3928	-366	-181	10568	1198	10616	1590	13356	49.90
6	2943	247	641	3831	1531	270	1243	3167	4220	-366	-226	10910	1308	10958	1685	13903	49.74
7	3000	922	643	4565	1537	235	1292	3530	4180	-371	-302	11548	1369	11641	1811	14728	49.82
8	3010	1104	649	4763	1542	104	1302	3538	4187	-381	-376	11563	1455	11732	1968	14986	49.93
9	3001	913	645	4559	1538	124	1299	3578	4555	-430	-452	11665	1409	11788	2246	15320	49.91
10	2977	1016	642	4635	1532	120	1257	3756	4686	-594	-686	11589	1347	11675	2589	15525	49.83
11	3029	1208	636	4873	1525	102	1260	3742	4490	-656	-705	11587	1332	11644	2831	15750	49.82
12	3012	1679	636	5327	1510	97	1266	3750	3922	-677	-661	11503	1343	11572	2866	15712	49.73
13	3044	1553	636	5233	1500	136	1289	3765	3960	-652	-601	11560	1394	11653	2832	15786	49.71
14	2985	1230	636	4851	1496	141	1298	3721	3883	-699	-622	11089	1407	11187	2730	15226	49.70
15	3016	1659	637	5312	1494	229	1275	3568	3809	-637	-659	11502	1447	11623	2763	15712	49.67
16	3133	1454	628	5215	1497	347	1303	3591	3870	-637	-592	11683	1407	11779	2784	15874	49.75
17	3047	1149	628	4824	1500	480	1287	3704	4275	-656	-601	11805	1375	11861	2765	15945	49.81
18	3047	726	632	4405	1500	551	1288	3780	3768	-624	-527	11004	1595	11057	2721	15320	49.73
19	2957	1294	632	4883	1500	494	1290	3808	3937	-530	-430	11691	2264	11744	2643	16598	49.60
20	2892	1908	634	5434	1507	472	1271	3882	3990	-604	-586	12116	2481	12167	2701	17298	49.76
21	2976	1307	632	4915	1510	480	1231	3897	4356	-609	-621	11912	2489	11963	2573	16974	49.78
22	2863	979	641	4483	1515	474	1286	3897	4353	-599	-589	11562	2489	11613	2407	16458	49.77
23	2784	911	645	4340	1516	354	1317	3505	3828	-569	-515	10880	2485	10927	2248	15613	49.76
24	2791	306	655	3752	1519	363	1310	3334	3881	-513	-495	10370	2178	10417	2117	14665	49.90
MUs	70.86	22.40	15.33	108.59	36.42	6.90	30.52	85.43	97.13	-12.66	-11.50	268.98	39.53	270.68	55.73	364.23	49.80

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 20/Sep/2011

Position as on 6.30 Hrs of 21/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.	19/09/2011
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
Cent_Sect NTPC(V-5)	210	14/09/2011	00.41		Continued.	Annual Overhaul.	10/10/2011
FORCED OUTAGE							
Cent_Sect NTPC(K-4)	500	08/09/2011	14.26		Continued.	Ash handling problem.	
Cent_Sect NTPC(K-5)	500	08/09/2011	14.52		Continued.	Ash handling problem.	
CPP WPCL U-2	135	11/09/2011	08.12		Continued.	Withdrawn	
Khaparkheda Unit 5	500	12/09/2011	05.55		Continued.	Generator Protection.	
Cent_Sect NTPC(K-7)	500	14/09/2011	21.37		Continued.	G/T problem.	
Cent_Sect NTPC(K-1)	210	18/09/2011	11.31		Continued.	Ash Handling Problem	
Cent_Sect NTPC(K-3)	210	18/09/2011	11.31		Continued.	Ash Handling Problem	
Cent_Sect NTPC(K-6)	500	18/09/2011	11.31		Continued.	Ash Handling Problem	
Parli Unit 6	250	19/09/2011	10.50		Continued.	Bunkering Problem.	
Cent_Sect NTPC(V-8)	500	20/09/2011	12.49	20/09/2011	15.32	Flame Failure	
Koradi Unit 6	210	20/09/2011	20.45	21/09/2011	04.58	Furnace pressure high.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Sep/2011

Position as on 6.30 Hrs of 21/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 - II	19/09/2011	18.15	20/09/2011	11.01	Over Voltage.
Karad - Solapur (PGCIL)	19/09/2011	18.20	20/09/2011	07.03	Over Voltage.
Kolhapur - Mapusa - I	20/09/2011	21.38		Continued.	Over Voltage.
Karad - Solapur (PGCIL)	20/09/2011	22.57		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Akola - Wardha - I	28/08/2011	04.20		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
M.B-II At 400KV Parli	15/09/2011	07.54		Continued.	Jumper connection between existing MB-II and extended bus of PGCIL.
Lonikand- Koyna Stage IV	20/09/2011	11.42	20/09/2011	13.40	Shifted on TBC.
400/220 KV 315 MVA ICT-II @ Chakan	21/09/2011	00.16	21/09/2011	02.18	To Attend Major Oil Leakage of B Ph.Unit.
Main Bus- I @ Koradi	21/09/2011	05.00		Continued.	Erection of Main Bus-I PG Isolator.
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 30.09.2011.
220/132 KV 250 MVA ICT at Ambazari	05/08/2011	10.41		Continued.	ICT is to be replaced by 200 MVA ICT Upto 30.9.11.
220/110KV 100MVA T/F-III at Miraj	12/09/2011	11.00		Continued.	Augmentation of 100 MVA to 200 MVA T/F. Upto 30.09.2011.
Kalyani-Baramati Agro	16/09/2011	11.20		Continued.	Replacement of breaker.
220/100KV 200MVA ICT-IV at Kalwa	17/09/2011	16.06		Continued.	Oil Filtration work
Satara MIDC-Vankushwadi-I	20/09/2011	09.30	20/09/2011	13.50	Q M work.
Lote - N.Koyna	20/09/2011	09.31	20/09/2011	20.14	Attending problem of burnt conductor.
Parly - Harangool - II	20/09/2011	10.23		Continued.	Fixing of Isolator of Bus-I & Aux.Bus.
Vita-Maisal	20/09/2011	10.46	20/09/2011	17.26	Replacement of 'Y' phase wave trap flashover insulator.
Karad-Oglewadi-I	20/09/2011	14.19	20/09/2011	19.37	To attend bus outage at 220 KV Oglewadi s/s.
Karad - Ogalewadi - II	20/09/2011	14.20	20/09/2011	19.06	To attend bus outage at 220 KV Oglewadi s/s.
Satara,MIDC-Wankuswadi 2	20/09/2011	14.30	20/09/2011	17.50	Q M Work.
New Paras TPS-Alola-II	20/09/2011	14.33	20/09/2011	18.37	Hot Spot on Y Ph. Wavetrap Bottom Side.
Main Bus - I @ Ogalewadi	20/09/2011	14.50	20/09/2011	19.02	Commissioning of 220 KV Bus Section -II.
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
Kalmeshwar-Saoner	17/09/2011	12.00		Continued.	Retrofitting of Relays
Mansar - Pench	20/09/2011	08.51	20/09/2011	18.35	Insulator replacement work.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Sep/2011

Position as on 6.30 Hrs of 21/Sep/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Kalmeshwar-Saoner	20/09/2011	12.00	20/09/2011	20.51	Relay Retrofitting Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Bhusawal	06/09/2011	23.00		Continued.	Over Voltage.
Karad - Kolhapur - II	17/09/2011	22.34		Continued.	Over Voltage
400/220 KV 315MVA ICT-II @ Karad	19/09/2011	09.55		Continued.	Outage on Main Bus.
Bhusawal- Aurangabad	19/09/2011	21.04	20/09/2011	06.09	Over Voltage.
Bhusawal- Aurangabad	21/09/2011	00.01	21/09/2011	06.12	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.
Voltage Level : 220KV			Outage Type TRIPPED		
Boiser-Versova	21/09/2011	00.12	21/09/2011	00.29	Tripped.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Sep/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	60
Unit 7	210	135
	620	195
Bhusawal		
Unit 2	210	0
Unit 3	210	125
Unit 4	0	
	420	125
Parli		
Unit 3	210	140
Unit 4	210	0
Unit 5	210	117
Unit 6	250	0
Unit 7	250	100
	1130	357
Chandrapur		
Unit 1	210	120
Unit 2	210	130
Unit 3	210	150
Unit 4	210	0
Unit 5	500	300
Unit 6	500	260
Unit 7	500	350
	2340	1310
Paras		
Unit 3	250	0
Unit 4	250	130
	500	130
Khaparkheda		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	160
Unit 4	210	170
Unit 5	500	
	1340	630
Nasik		
Unit 1	120	
Unit 2	120	
Unit 3	210	132
Unit 4	210	0
Unit 5	210	122
	870	254
Uran		
All Units	852	600
	852	600
Dabhol		
RGPP	1940	1590
	1940	1590
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	0
TILLARI	60	60
BHTGR/VEER	21	10
BHIRA T.R.	80	40
RNGR+BHTSA	20	10
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	0
	611	161
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	795
WARDHA	405	260
Other CPPs	0	
	1005	1055
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	3788
	3455	3788