



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Jul/2011

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	75.012	1081.362	1) Madhya Pradesh	39.292	567.544
2) Hydro	13.710	183.661	2) Gujrat	32.965	244.545
3) Gas	9.932	124.416	3) Goa	-6.460	-68.330
Total MSGENCO	98.654	1389.439	4) TAPS 1&2 (Inj.)	7.833	92.093
B) OTHERS			5) Pench (Excess)	-0.099	-0.964
1) RGPPL Gas	38.544	458.385	# Total Cent. Sector	73.531	834.888
2) Wind Generation	20.264	199.416	F) Other Exchanges		
3) CPP	30.878	374.595	1) With TPCL (Excess)	-9.882	-132.535
4) PENCH (MS)	0.099	0.964	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	13.800	168.683
1) TPCL Thermal	26.557	290.323	Include PX	0.000	7.925
2) TPCL Hydro	5.599	63.936	2) MUMBAI Bilateral	11.553	146.747
TOTAL TPCL	32.156	354.259	Include PX	-2.620	-23.769
3) REL Thermal	12.136	148.536	3) MUMBAI Schedule	11.553	147.659
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	113.705	1520.221	1) MSEDCL	252.088	3125.152
2) Hydro (A2+B3+C2)	19.408	248.561	2) TPCL	36.507	424.266
3) Gas (A3+B1)	48.476	582.801	3) REL	17.666	211.018
4) Wind (B2)	20.264	199.416	TOTAL STATE	306.261	3760.436
5) CPP (B3)	30.878	374.595			
TOTAL STATE	232.731	2925.594			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3179	3009	3131
MSGENCO Hydro	797	1627	105
MSGENCO Gas	444	375	441
MSGENCO Total Generation	4420	5011	3677
Central Sector Receipt	3272	3258	2349
RGPPL	1579	1627	1611
WIND	738	775	1112
CPP	1253	1403	1149
Exchange with Mumbai	-526	-516	-183
MSEDCL DEMAND MET	10736	11569	9715
Load Shedding (LS)	60	38	48
MSEDCL DEMAND (INCL. LS)	10796	11607	9763
TPCL GENERATION	1681	1460	901
REL GENERATION	524	524	445
TPCL+REL DEMAND	2731	2500	1529
STATE DEMAND MET	13467	14069	11244
Load Management (LM)	1308	2456	1081
Total Load Relief (LS+LM)	1368	2494	1129
UNRESTRICTED STATE DEMAND	14835	16563	12373
Frequency (Hz)	49.71	49.63	49.91

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.24 Hz at 12.02 Hrs	49.11 Hz at 19.30 Hrs	49.71	.22 % 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/Jul/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.85	45.84	175	117	180
Unit 6	3.69	44.62	165	135	165
Unit 7	4.41	41.22	190	170	185
	11.95	131.69			530
Bhusawal					
Unit 2	0.00	30.64	0	0	0
Unit 3	1.50	17.38	175	0	0
Unit 4		0.00	0	0	
	1.50	48.02			0
Parli					
Unit 3	2.13	32.15	120	58	70
Unit 4	0.00	23.53	0	0	0
Unit 5	2.67	32.66	140	95	105
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	26.43	0	0	0
	4.80	114.77			175
Chandrapur					
Unit 1	3.26	38.50	149	123	140
Unit 2	3.13	37.05	138	119	130
Unit 3	4.15	49.10	188	141	190
Unit 4	3.96	48.09	175	132	180
Unit 5	9.02	108.53	400	355	400
Unit 6	6.66	95.70	420	0	340
Unit 7	0.00	0.00	0	0	0
	30.17	376.98			1380
Paras					
Unit 3	1.76	47.15	100	60	75
Unit 4	1.83	47.32	126	58	75
	3.58	94.48			150
Khaparkheda					
Unit 1	3.98	51.32	190	150	160
Unit 2	4.09	51.02	194	159	160
Unit 3	4.62	56.55	215	170	180
Unit 4	4.83	57.33	220	181	180
Unit 5		0.00	0	0	
	17.52	216.21			680
Nasik					
Unit 1		0.00	0	0	
Unit 2		0.00	0	0	
Unit 3	2.46	33.97	135	80	120
Unit 4	0.00	28.58	0	0	0
Unit 5	3.01	36.68	165	103	135
	5.48	99.23			255
Uran					
All Units	9.93	124.42	448	318	420
	9.93	124.42			420
Dabhol					
RGPPL	38.54	458.38	1634	1562	1570
	38.54	458.38			1570
Koyna					
Stage 1-2	4.00	46.39	400	35	530
Stage 4	3.27	65.32	751	0	250
Stage 3	2.51	30.27	318	0	320
	9.77	141.97			1100
Kovna 12&4 Total	7.26	111.70			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	11.02	0	0	60
TILLARI	0.24	4.35	60	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.46	5.49	82	0	80
RNGR+BHTSA	0.04	2.13	2	1	2
BHANDARDRA	0.72	4.00	30	30	20
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.62	8.21	33	23	16
GHATGHAR	1.84	6.50	125	0	0
	3.94	41.69			238
PENCH (MS)					
Pench (MS)	0.10	0.96	25	0	
	0.10	0.96			
Wind					
MalharPeth	1.02	7.47			
Vankuswadi	2.04	16.74			
ATIT	1.06	5.50			
Kale	0.32	5.02			
Satara	1.53	12.26			
Shirala	0.55	5.92			
K Mahankal	0.27	13.06			
Supa	0.14	2.46			
Vita	2.77	28.45			
Dondaicha	6.93	65.12			
Sakri	0.99	9.20			
Nandurbar	0.72	6.57			
Khandke	0.96	12.02			
Khaparale	0.97	9.63			
	20.26	199.42			
CPP					
JSW JAIGAD	18.20	222.74	870	609	635
WARDHA	8.44	88.51	388	281	380
Other CPPs	4.24	63.34			
	30.88	374.60			1015
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.85	111.10	475	390	500
Trombay 6	6.99	72.42	510	150	500
Trombay 7A	2.83	33.86	122	112	120
Trombay 7B	1.57	18.79	66	64	60
Trombay 8	4.32	54.16	230	150	225
TATA Hydro	5.60	63.94	390	0	447
	32.16	354.26			1852
REL					
1&2	12.14	148.54	525	435	500
	12.14	148.54			500
Cent Sect					
Share					3495
					3495

MS PG CL	Thermal	75.01	1081.36			3170
	Thml+Gas	84.94	1205.78			3590
	Hydro	13.71	183.66			1338
	Total	98.65	1389.44			4928
State Total		232.73	2925.59			13360

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/Jul/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	3178	100	441	3719	1626	1053	1178	2965	2591	-335	-284	9883	1653	9920	1738	13274	49.76
2	3131	95	441	3667	1622	1196	1231	2950	2491	-302	-216	9991	1539	10028	1626	13156	49.80
3	3150	105	442	3697	1607	1134	1147	3075	2409	-424	-186	9808	1100	9856	1556	12464	49.87
4	3131	105	441	3677	1611	1112	1149	3076	2349	-424	-183	9715	1129	9763	1529	12373	49.91
5	3136	90	443	3669	1616	1080	1131	3103	2589	-424	-197	9888	1182	9936	1544	12614	49.82
6	3164	95	434	3693	1605	1065	1138	3173	2969	-424	-263	10207	1293	10259	1631	13131	49.75
7	3168	139	448	3755	1604	1021	1140	3166	3385	-424	-391	10514	1317	10589	1775	13606	49.84
8	3021	408	431	3860	1600	904	1141	3147	3374	-454	-399	10480	1394	10627	1974	13848	49.78
9	3082	603	433	4118	1597	1008	1170	2976	3467	-410	-444	10916	1305	10974	2209	14430	49.78
10	3114	802	447	4363	1582	885	1162	3138	3292	-457	-477	10807	1309	10867	2539	14655	49.69
11	3179	797	444	4420	1579	738	1253	3262	3272	-509	-526	10736	1368	10796	2731	14835	49.71
12	3229	698	429	4356	1562	538	1388	3345	3343	-582	-522	10665	1353	10721	2778	14796	49.61
13	3205	294	431	3930	1571	526	1418	3326	3538	-561	-492	10491	1348	10538	2750	14589	49.83
14	3286	470	425	4181	1571	493	1435	3305	3358	-520	-448	10590	1350	10639	2688	14628	49.62
15	3321	610	413	4344	1578	584	1427	3249	3193	-534	-466	10660	1362	10713	2705	14727	49.54
16	3319	638	410	4367	1609	644	1361	3154	3036	-545	-482	10552	1374	10601	2721	14647	49.55
17	3285	766	426	4477	1621	754	1321	3122	3144	-504	-480	10840	1397	10881	2717	14954	49.67
18	2991	724	376	4091	1634	833	1268	3097	3030	-473	-487	10369	1555	10407	2658	14582	49.86
19	2915	771	318	4004	1625	879	1354	3236	3008	-511	-437	10433	2278	10471	2575	15286	49.73
20	2980	1608	379	4967	1619	679	1441	3370	3252	-533	-474	11484	2485	11522	2570	16539	49.57
21	3009	1627	375	5011	1627	775	1403	3395	3258	-557	-516	11569	2494	11607	2500	16563	49.63
22	2975	1154	372	4501	1628	742	1418	3374	3200	-557	-514	10995	2494	11033	2368	15857	49.55
23	3001	645	372	4018	1626	840	1431	3261	3257	-557	-521	10674	2494	10712	2214	15382	49.57
24	3042	366	361	3769	1624	781	1373	3118	2726	-533	-477	9821	2231	9859	2078	14130	49.61
MUs	75.01	13.71	9.93	98.65	38.54	20.26	30.88	76.38	73.53	-11.55	-9.88	252.09	38.80	253.32	54.17	345.07	49.71

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/Jul/2011

Position as on 6.30 Hrs of 13/Jul/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Dabhol 1A	230	20/05/2011	13.22		Continued.	Rotor replacement.	22/07/2011
Parli Unit 6	250	16/06/2011	05.50		Continued.	Annual Overhaul	15/07/2011
Chandrapur Unit 7	500	29/06/2011	21.40		Continued.	COH	16/08/2011
Bhusawal Unit 3	210	05/07/2011	00.39	12/07/2011	10.34	Feasibility test of ESP.	
Koyna Unit 4	75	07/07/2011	11:20		Continued.	Runner Replacement Work.	17/07/2011
Parli Unit 3	210	13/07/2011	07.15		Continued.	Coal mill problem.	17/07/2011
FORCED OUTAGE							
Uran Unit 8	108	06/06/2011	23.12		Continued.	Bus Bar Protection operated,as Y-Ph BKR pole of Uran U-5 burst.	10/08/2011
Parli Unit 7	250	07/07/2011	12:14	13/07/2011	11.02	Boiler Tube Leakage.	
Parli Unit 4	210	09/07/2011	13.10		Continued.	Low Condenser Vacuum.	17/07/2011
CPP WPCL U-3	135	11/07/2011	23.05	12/07/2011	02.39	Loss of excitation.	
Chandrapur Unit 6	500	12/07/2011	17.24		Continued.	Boiler Tube Leakage.	15/07/2011
Uran Unit B0	120	12/07/2011	17.54	13/07/2011	12.26	Tripped.	
Koyna ST-IV 1	250	13/07/2011	09.35	13/07/2011	19.30	Tripped due to DCS system problem.	
Koyna ST-IV 2	250	13/07/2011	09.35	13/07/2011	20.00	Tripped due to DCS system problem.	
Koyna ST - IV 4	250	13/07/2011	09.35		Continued.	Tripped due to DCS system problem.	15/07/2011
Chandrapur Unit 2	210	13/07/2011	23.06		Continued.	Furnace pressure high.	15/07/2011

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

Position as on 6.30 Hrs of 13/Jul/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	06/07/2011	18.07		Continued.	Over Voltage.
Wardha - Akola - I	06/07/2011	18.16		Continued.	Over Voltage.
Akola - Aurangabad - I	08/07/2011	20.31		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	11/07/2011	23.05	13/07/2011	06.46	Over Voltage.
Dhule - S'Sarovar- II	13/07/2011	00.41		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Wardha - Akola - II	09/07/2011	00.03		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Karad-New Koyna II	11/07/2011	10.23	12/07/2011	07.47	R.M.Work
Kalwa - Padgha - I	12/07/2011	23.20	13/07/2011	01.37	Replacement of faulty distance protection relay.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(8 MonthOutage)
220/132KV,100 MVA ICT-III at Girwali.	21/06/2011	10.44		Continued.	Augmentation of ICT by new 200 MVA ICT upto 30.07.2011
Khaperkheda - Koradi	11/07/2011	09.28	13/07/2011	18.52	Transfer of the control from existing C/R panels to BCRs and SCADA.
Karad - Ogalewadi - II	12/07/2011	06.57	12/07/2011	19.26	Erection of D/C tower for shifting of 220KV ICT bay.
Main Bus @ Peth	12/07/2011	09.17	12/07/2011	15.42	R.M.Work and Testing work.
Karad - Miraj	12/07/2011	09.27	12/07/2011	15.43	Replacement of Disc insulator.
Virur - Gadhchiroli	12/07/2011	10.10	12/07/2011	16.05	Replacement of faulty disc insulator.
220/132KV,200MVA T/F-I at Lonand	12/07/2011	11.00	12/07/2011	16.55	Replacement of supervisory control cable.
220/132 KV 200 MVA ICT-II @ Harangul	12/07/2011	11.48	12/07/2011	15.44	Q.M.Work
Parli-Usmanabad	13/07/2011	07.40	13/07/2011	19.07	Fixing vibration damper.
Karad-M'peth	13/07/2011	07.54	13/07/2011	17.01	Stringing of 400KV Jaigad-karad D/C between Loc.No.138 and 139.
Karad-Pophali	13/07/2011	08.10	13/07/2011	15.43	Stringing of 400KV Jaigad-karad D/C between Loc.No.138 and 139.
Karad-Sada Waghapur	13/07/2011	08.25	13/07/2011	15.15	Stringing of 400KV Jaigad-karad D/C between Loc.No.138 and 139.
220/100KV 200 MVA ICT III at Borivali	13/07/2011	09.45	13/07/2011	18.27	For attending DC leakage.
Kanhan - Bhandara - II	13/07/2011	11.09	13/07/2011	13.29	Q.M.Work.
C'pur-Sicom-I	13/07/2011	12.47	13/07/2011	17.40	Relay Testing work.
Bus Sectionaliser @ Parly - II	13/07/2011	19.45	13/07/2011	17.08	Breaker maintenance work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Malkapur - Khamgaon	11/07/2011	07.09	12/07/2011	18.21	Line isolator replacement work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Uran - HOCL	11/07/2011	17.14	12/07/2011	18.14	Taken on TBC at Uran due to DC leakage.
Aurangabad - Padegaon - II	12/07/2011	10.16	12/07/2011	12.06	Attending red hot on Y ph.line isolator.

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

Position as on 6.30 Hrs of 13/Jul/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	06/07/2011	17.59		Continued.	Over Voltage.
Kolhapur-Karad -I	07/07/2011	12:57	13/07/2011	10.13	Over Voltage.
Karad - Kolhapur - II	13/07/2011	17.34		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Bus Coupler @ WPCL	07/06/2011	17.22		Continued.	As being normally kept open.
Phursungi - Theur	02/07/2011	19.30		Continued.	To Control Loading.
Chandrapur - Warora	03/07/2011	21.47		Continued.	To Control Wrr-Wrd & Wrr-Hgkat Loading.
220/132 KV 200 MVA ICT - III @ Bale	13/07/2011	13.37	13/07/2011	13.47	B/C relay and Testing work.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV 105 MVA Spare ICT at Parly II	22/04/2011	13.50		Continued.	To Remove Trip Coil Assembly for Bus Coupler.
Padgha - Nagothane- II	13/07/2011	03.37	13/07/2011	13.51	Distance protection.
400/220KV 315 MVA ICT- II @ Padgha	13/07/2011	19.40	13/07/2011	22.13	PRV 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).
220/100KV 125 MVA ICT-I @ Kalwa	19/06/2011	13.45		Continued.	Buchholz Augmentation by 200 MVA.Expected in Sept.2011.
220/100KV 200MVA ICT-II at Kalwa	12/07/2011	13.36	12/07/2011	14.14	Tripped.OLTC buchholz relay operated.
Kanhan - Umred	12/07/2011	15.18	12/07/2011	15.38	Distance protection.
Valve-Jamde	13/07/2011	06.45	13/07/2011	09.45	Y ph.jumper of wave trap to CT open.
Bale - Lamboti I	13/07/2011	10.05	13/07/2011	10.41	Distance protection.
220/132 KV 200 MVA ICT - III @ Bale	13/07/2011	10.05	13/07/2011	11.14	O/C and E/F protection operated.
Bale-Lamboti II	13/07/2011	10.05	13/07/2011	10.41	Distance protection.
Karad - Miraj	13/07/2011	13.45	13/07/2011	16.26	Distance protection Y Ph.to Earth.
Voltage Level : 132KV			Outage Type TRIPPED		
Harangul - Ujani - I	12/07/2011	09.15	12/07/2011	15.19	Distance protection.
Pusad - Gunj	13/07/2011	22.25	13/07/2011	22.45	Distance protection.
null					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 200MVA ICT- IV at Kalwa	12/07/2011	15.23	12/07/2011	16.05	Maintenance Work.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/Jul/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	140
Unit 7	210	140
	620	420
Bhusawal		
Unit 2	210	0
Unit 3	210	160
Unit 4	0	0
	420	160
Parli		
Unit 3	210	72
Unit 4	210	0
Unit 5	210	90
Unit 6	250	0
Unit 7	250	0
	1130	162
Chandrapur		
Unit 1	210	140
Unit 2	210	160
Unit 3	210	190
Unit 4	210	180
Unit 5	500	400
Unit 6	500	0
Unit 7	500	0
	2340	1070
Paras		
Unit 3	250	160
Unit 4	250	160
	500	320
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	200
Unit 4	210	200
Unit 5	0	0
	840	760
Nasik		
Unit 1	120	0
Unit 2	120	0
Unit 3	210	160
Unit 4	210	0
Unit 5	210	140
	870	300
Uran		
All Units	852	420
	852	420
Dabhol		
RGPP	1940	1590
	1940	1590
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	320
	1920	1100
Hydro		
KDPH	40	0

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	2
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	181
PENCH (MS)		
Pench (MS)	53	0
	53	0
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	805
WARDHA	405	380
Other CPPs	0	
	1005	1185
Tata		
Trombay 4	150	0
Trombay 5	500	490
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1867
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3384
	3455	3384