



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

State Load Dispatch Center, Airoli

Daily system Report

for

24/Jul/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 24/Jul/2011 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	78.692	2002.116	1) Madhya Pradesh	54.163	1117.272
2) Hydro	13.509	299.064	2) Gujrat	23.354	618.316
3) Gas	6.982	197.334	3) Goa	-5.318	-136.270
Total MSGENCO	99.183	2498.514	4) TAPS 1&2 (Inj.)	7.887	183.574
B) OTHERS			5) Pench (Excess)	-0.244	-2.070
1) RGPPL Gas	38.361	922.471	# Total Cent. Sector	79.842	1780.822
2) Wind Generation	17.721	462.801	F) Other Exchanges		
3) CPP	24.253	668.819	1) With TPCL (Excess)	-10.015	-284.299
4) PENCH (MS)	0.244	2.070	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	10.318	286.706
1) TPCL Thermal	17.074	530.505	Include PX	0.000	2.833
2) TPCL Hydro	6.205	146.910	2) MUMBAI Bilateral	9.623	296.603
TOTAL TPCL	23.279	677.415	Include PX	-2.716	-39.868
3) REL Thermal	12.556	286.474	3) MUMBAI Schedule	9.623	306.136
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	108.322	2819.095	1) MSEDCL	249.589	6051.198
2) Hydro (A2+B3+C2)	19.958	448.044	2) TPCL	30.078	834.296
3) Gas (A3+B1)	45.343	1119.805	3) REL	15.771	414.121
4) Wind (B2)	17.721	462.801	TOTAL STATE	295.438	7299.615
5) CPP (B3)	24.253	668.819			
TOTAL STATE	215.597	5518.564			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3387	3196	3265
MSGENCO Hydro	698	1722	212
MSGENCO Gas	290	288	292
MSGENCO Total Generation	4375	5206	3769
Central Sector Receipt	3530	3470	2705
RGPPL	1599	1592	1609
WIND	886	463	824
CPP	1021	1023	1021
Exchange with Mumbai	-421	-570	-306
MSEDCL DEMAND MET	10990	11237	9622
Load Shedding (LS)	47	41	47
MSEDCL DEMAND (INCL. LS)	11037	11278	9669
TPCL GENERATION	974	1105	787
REL GENERATION	523	523	523
TPCL+REL DEMAND	1918	2198	1616
STATE DEMAND MET	12908	13435	11238
Load Management (LM)	1160	2243	1055
Total Load Relief (LS+LM)	1207	2284	1102
UNRESTRICTED STATE DEMAND	14115	15719	12340
Frequency (Hz)	49.98	49.63	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.31 Hz at 06.05 Hrs	49.35 Hz at 19.37 Hrs	49.87	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 24/Jul/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.47	80.59	142	73	130
Unit 6	3.32	83.64	161	108	150
Unit 7	3.29	82.06	170	75	160
	9.08	246.28			440
Bhusawal					
Unit 2	3.84	66.68	170	155	160
Unit 3	3.77	62.47	170	145	160
Unit 4		0.00	0	0	
	7.61	129.14			320
Parli					
Unit 3	3.55	43.36	172	112	180
Unit 4	2.68	41.05	132	86	120
Unit 5	2.37	57.38	109	92	90
Unit 6	3.05	4.36	160	67	170
Unit 7	1.88	61.88	142	0	90
	13.53	208.02			650
Chandrapur					
Unit 1	2.98	73.55	132	110	140
Unit 2	2.61	63.77	129	85	130
Unit 3	4.03	92.06	177	157	160
Unit 4	3.90	91.19	170	145	160
Unit 5	8.60	207.11	380	330	360
Unit 6	0.00	95.70	0	0	0
Unit 7	0.00	0.00	0	0	0
	22.11	623.37			950
Paras					
Unit 3	2.24	83.51	128	62	75
Unit 4	2.66	88.90	148	57	140
	4.90	172.42			215
Khaparkheda					
Unit 1	4.64	102.54	205	185	190
Unit 2	0.60	83.72	134	0	0
Unit 3	4.77	110.72	212	168	200
Unit 4	5.15	115.95	222	205	210
Unit 5		0.00	0	0	
	15.16	412.92			600
Nasik					
Unit 1		0.00	0	0	
Unit 2		0.00	0	0	
Unit 3	0.00	66.26	0	0	0
Unit 4	3.06	67.18	167	60	170
Unit 5	3.25	76.51	166	84	160
	6.31	209.95			330
Uran					
All Units	6.98	197.33	296	288	280
	6.98	197.33			280
Dabhol					
RGPPL	38.36	922.47	1617	1582	1560
	38.36	922.47			1560
Koyna					
Stage 1-2	3.08	71.44	490	40	600
Stage 4	3.26	77.52	656	0	250
Stage 3	2.27	54.03	320	0	320
	8.61	203.00			1170
Kovna 12&4 Total	6.34	148.96			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.45	1.87	19	18	19
VTRNA	0.00	12.24	0	0	0
TILLARI	1.26	12.51	60	0	60
BHTGR/VEER	0.16	0.52	7	6	5
BHIRA T.R.	0.50	11.53	82	0	80
RNGR+BHTSA	0.05	2.72	2	2	1
BHANDARDRA	0.73	12.92	32	30	30
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.18	21.22	57	46	10
GHATGHAR	0.57	20.54	125	0	0
	4.90	96.07			205
PENCH (MS)					
Pench (MS)	0.24	2.07	53	0	
	0.24	2.07			
Wind					
MalharPeth	0.62	18.07			
Vankuswadi	1.88	41.41			
ATIT	0.25	13.07			
Kale	0.69	13.93			
Satara	0.56	39.38			
Shirala	0.65	16.59			
K Mahankal	3.04	27.58			
Supa	0.20	5.54			
Vita	3.30	74.72			
Dondaicha	3.74	130.60			
Sakri	0.66	20.30			
Nandurbar	0.38	13.55			
Khandke	0.84	27.17			
Khaparale	0.91	20.89			
	17.72	462.80			
CPP					
JSW JAIGAD	15.11	399.83	642	604	635
WARDHA	6.23	161.26	268	252	260
Other CPPs	2.91	107.73			
	24.25	668.82			895
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	8.76	197.08	490	35	500
Trombay 6	3.90	163.84	375	150	500
Trombay 7A	2.83	68.12	119	115	120
Trombay 7B	1.58	37.71	66	65	60
Trombay 8	0.00	63.76	0	0	0
TATA Hydro	6.20	146.91	346	168	447
	23.28	677.42			1627
REL					
1&2	12.56	286.47	525	522	500
	12.56	286.47			500
Cent Sect					
Share					3207
					3207

MS PG CL	Thermal	78.69	2002.12			3505
	Thml+Gas	85.67	2199.45			3785
	Hydro	13.51	299.06			1375
	Total	99.18	2498.51			5160
State Total		215.60	5518.56			12949

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 24/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	3229	342	292	3863	1600	792	1027	3023	3258	-468	-459	10081	1548	10128	1915	13544	49.81
2	3163	206	293	3662	1605	871	1025	2942	3093	-373	-370	9886	1473	9933	1735	13094	49.91
3	3183	202	293	3678	1608	826	1022	2869	2887	-287	-325	9696	1139	9743	1648	12483	49.96
4	3265	212	292	3769	1609	824	1021	2844	2705	-261	-306	9622	1102	9669	1616	12340	49.99
5	3332	207	293	3832	1604	823	1015	2844	2748	-261	-279	9743	1105	9790	1580	12428	49.87
6	3315	227	293	3835	1605	840	978	2836	3129	-273	-285	10102	1198	10149	1649	12949	49.86
7	3376	203	293	3872	1617	835	988	2797	3339	-278	-287	10364	1195	10411	1691	13250	50.11
8	3382	267	296	3945	1605	739	1009	2803	3643	-294	-308	10633	1195	10680	1718	13546	49.92
9	3359	618	288	4265	1599	869	1024	2857	3604	-353	-397	10964	1195	11011	1807	13966	49.86
10	3387	698	290	4375	1599	886	1021	2994	3530	-391	-421	10990	1207	11037	1918	14115	49.98
11	3440	419	288	4147	1593	839	1025	3166	3644	-455	-485	10763	1212	10810	2041	14016	49.95
12	3473	457	289	4219	1586	847	1013	3196	3632	-487	-517	10780	1187	10827	2083	14050	49.90
13	3417	625	290	4332	1582	779	988	3190	3381	-481	-502	10560	1186	10607	2077	13823	49.79
14	3383	510	291	4184	1582	777	1015	3159	3429	-449	-411	10576	1186	10623	2013	13775	49.84
15	3234	414	290	3938	1584	823	1011	3011	3524	-402	-417	10463	1187	10510	1969	13619	49.75
16	3171	469	288	3928	1605	788	988	2856	3542	-365	-367	10484	1192	10531	1935	13611	49.84
17	3148	305	290	3743	1600	819	990	2856	3684	-354	-370	10476	1229	10517	1919	13624	49.97
18	3188	547	292	4027	1597	733	987	2936	2926	-376	-385	9936	1444	9977	1913	13293	50.00
19	3252	645	290	4187	1599	581	997	3123	3282	-435	-446	10251	2097	10292	1954	14302	49.96
20	3311	1267	288	4866	1591	508	1023	3472	3593	-517	-510	11122	2278	11163	2122	15522	49.66
21	3196	1722	288	5206	1592	463	1023	3571	3470	-541	-570	11237	2284	11278	2198	15719	49.63
22	3147	1347	292	4786	1595	503	1020	3573	3385	-543	-562	10750	2284	10791	2195	15229	49.68
23	3125	898	289	4312	1602	467	1025	3298	3320	-537	-552	10179	2284	10220	2156	14619	49.78
24	3219	702	294	4215	1602	489	1018	3006	3094	-442	-484	9934	1998	9975	1998	13930	49.80
MUs	78.70	13.51	6.98	99.19	38.36	17.72	24.25	73.22	79.84	-9.62	-10.02	249.59	35.40	250.67	45.85	330.85	49.87

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 24/Jul/2011

Position as on 6.30 Hrs of 25/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.	23/07/2011
Chandrapur Unit 7	500	29/06/2011	21:40		Continued.	COH	16/08/2011
Chandrapur Unit 6	500	12/07/2011	17.24		Continued.	Stator Earth Fault(Mini overhaul)	31/07/2011
CPP WPCL U-2	135	14/07/2011	18:40	24/07/2011	03.22	Maintenance work.	
Tata Trombay 8	250	15/07/2011	01:45		Continued.	AOH	08/08/2011
Cent_Sect NTPC(V-7)	500	18/07/2011	00.03		Continued.	Annual overhaul.	15/08/2011
Nasik Unit 3	210	23/07/2011	01.55		Continued.	Annual Overhaul.	15/08/2011
CPP WPCL U-4	135	24/07/2011	06.40		Continued.	Maint.Work.	
FORCED OUTAGE							
Uran Unit 5	108	15/07/2011	10.40		Continued.	Turbine Blade Replacement.	10/08/2011
Uran Unit 6	108	17/07/2011	11.52		Continued.	Stator earth fault.	
Uran Unit A0	120	17/07/2011	11.52		Continued.	Stator earth fault.	
Tata Trombay 5	500	19/07/2011	23.02	24/07/2011	00.51	BLR T/L.	
Khaparkheda Unit 2	210	22/07/2011	17.53	24/07/2011	08.33	Boiler Tube Leakage.	
Cent_Sect NTPC (K-2)	210	23/07/2011	15.51	25/07/2011	05:22	Boiler Tube Leakage.	
Parli Unit 7	250	24/07/2011	12.25	24/07/2011	16.32	Furnace Pressure High.	
Khaparkheda Unit 2	210	24/07/2011	14.27		Continued.	Flame Boiler Tube Failure.	
Parli Unit 5	210	25/07/2011	01.11	25/07/2011	04.25	Choking of Coal Mill.	
Parli Unit 4	210	25/07/2011	04.15		Continued.	Low Pressure Turbine Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/Jul/2011

Position as on 6.30 Hrs of 25/Jul/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Akola - I	06/07/2011	18.16	24/07/2011	09.42	Over Voltage.
Akola - Aurangabad - I	08/07/2011	20.31		Continued.	Over Voltage.
Kolhapur - Mapusa - II	21/07/2011	22.20		Continued.	Over Voltage.
Karad - Solapur (PGCIL)	23/07/2011	22.10	24/07/2011	06.30	Over Voltage.
Dhule-Sar'Sarovar - II	23/07/2011	23.11	24/07/2011	08.50	Over Voltage.
Dhule-Sar'Sarovar - I	24/07/2011	02.21	24/07/2011	08.40	Over Voltage.
Dhule-Sar'Sarovar - I	24/07/2011	13.36		Continued.	Over Voltage.
Karad - Solapur (PGCIL)	24/07/2011	21.13		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	25/07/2011	00.28		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Wardha - Akola - II	09/07/2011	00.03		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)
220/132KV,100 MVA ICT-III at Girwali.	21/06/2011	10.44		Continued.	Augmentation of ICT by new 200 MVA ICT upto 30.07.2011
220 KV TBC @ Koradi	19/07/2011	10.30		Continued.	Transfer of the control from existing C/R panel to BCR and SCADA.
Chalisgaon-Bhusawal	19/07/2011	20.51		Continued.	Replacement of isolator work, up to 28.07.2011 (CKT on TBC).
Ghodbandar-Versova-I	24/07/2011	08.13	24/07/2011	18.13	LILO Work for Gorai GIS S/S.
Ghodbhundur - Gorai	24/07/2011	16.00	24/07/2011	16.03	After Charging Gorai GIS S/S.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Girwali - Latur MIDC	19/07/2011	11.09		Continued.	Disc insulator strings replacement from LOC 32 to 82.
Bus Section - I @ Khamgaon	24/07/2011	10.30		Continued.	1)Replacement of Bus Isolator of Malkapur-2 2) Replacement of Bus Isolator of 132/33KV 25 MVA T/F.
Pachora-Chalisgaon Ckt.II.	24/07/2011	11.30	24/07/2011	12.48	Reconnecting the C T to Line Isolator Jumpers After Isolator Replacement.
Chalisgaon - Dhule	24/07/2011	13.03	24/07/2011	15.54	Disconnecting the C T to Line Isolator Jumpers for Replacement of Isolator.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Koradi - Kaparkheda	24/07/2011	12.00	24/07/2011	12.48	Low SF-6 Gas Pressure Taken on TBC.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	23/07/2011	13.14		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	23/07/2011	22.19	24/07/2011	07.20	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.
Khaparkheda - Wardha.	20/07/2011	16.59		Continued.	Over Voltage.
Khaparkheda-Kawlewada-II	20/07/2011	17.07		Continued.	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 24/Jul/2011

Position as on 6.30 Hrs of 25/Jul/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/132KV,100 MVA ICT at Hingoli.	21/07/2011	16.50		Continued.	ICTs LV side protection panel B ph.CT winding burst.
Babaleshwar - Bhenda	24/07/2011	08.30		Continued.	To Control Babaleshwar ICT Loading.
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.
Chandrapur - Parli - III	24/07/2011	17.48		Continued.	Distance Protection,Patrolling in Progress.
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.
220/100 KV ICT-3 at Borivali	24/07/2011	03.45	24/07/2011	04.03	On OLTC Buchholz.
Badnera-Akola-II	24/07/2011	19.22	24/07/2011	19.35	Distance Protection Operated Z-I.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 25/Jul/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	150
Unit 7	210	150
	620	430
Bhusawal		
Unit 2	210	160
Unit 3	210	170
Unit 4	0	
	420	330
Parli		
Unit 3	210	100
Unit 4	210	0
Unit 5	210	100
Unit 6	250	140
Unit 7	250	135
	1130	475
Chandrapur		
Unit 1	210	130
Unit 2	210	110
Unit 3	210	180
Unit 4	210	170
Unit 5	500	350
Unit 6	500	0
Unit 7	500	0
	2340	940
Paras		
Unit 3	250	100
Unit 4	250	100
	500	200
Khaparkheda		
Unit 1	210	190
Unit 2	210	0
Unit 3	210	200
Unit 4	210	210
Unit 5	0	
	840	600
Nasik		
Unit 1	120	
Unit 2	120	
Unit 3	210	0
Unit 4	210	142
Unit 5	210	142
	870	284
Uran		
All Units	852	280
	852	280
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	19

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	1
BHANDARDRA	45	23
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	198
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	635
WARDHA	405	260
Other CPPs	0	
	1005	895
Tata		
Trombay 4	150	0
Trombay 5	500	490
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	420
	2024	1590
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3333
	3455	3333