



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

State Load Dispatch Center, Airoli

Daily system Report

for

31/Jul/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 31/Jul/2011 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	72.668	2522.243	1) Madhya Pradesh	46.408	1448.595
2) Hydro	9.570	443.311	2) Gujrat	30.911	840.662
3) Gas	8.696	247.086	3) Goa	-4.654	-174.189
Total MSGENCO	90.934	3212.640	4) TAPS 1&2 (Inj.)	7.897	238.698
B) OTHERS			5) Pench (Excess)	-0.285	-4.686
1) RGPPL Gas	39.242	1196.191	# Total Cent. Sector	80.277	2349.080
2) Wind Generation	21.401	556.882	F) Other Exchanges		
3) CPP	21.703	851.471	1) With TPCL (Excess)	-7.465	-364.389
4) PENCH (MS)	0.285	4.686	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	9.044	378.010
1) TPCL Thermal	19.446	686.879	Include PX	0.000	9.896
2) TPCL Hydro	3.243	187.034	2) MUMBAI Bilateral	9.096	382.591
TOTAL TPCL	22.689	873.913	Include PX	-3.001	-58.747
3) REL Thermal	12.603	374.503	3) MUMBAI Schedule	9.096	392.524
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	104.717	3583.625	1) MSEDCL	246.377	7806.561
2) Hydro (A2+B3+C2)	13.098	635.031	2) TPCL	27.953	1076.768
3) Gas (A3+B1)	47.938	1443.277	3) REL	14.801	536.248
4) Wind (B2)	21.401	556.882	TOTAL STATE	289.131	9419.577
5) CPP (B3)	21.703	851.471			
TOTAL STATE	208.857	7070.286			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3119	2961	2839
MSGENCO Hydro	840	502	195
MSGENCO Gas	396	393	285
MSGENCO Total Generation	4355	3856	3319
Central Sector Receipt	3558	3817	3026
RGPPL	1632	1630	1630
WIND	642	1156	673
CPP	946	945	791
Exchange with Mumbai	-379	-436	-132
MSEDCL DEMAND MET	10754	10995	9331
Load Shedding (LS)	49	36	49
MSEDCL DEMAND (INCL. LS)	10803	11031	9380
TPCL GENERATION	1093	1075	826
REL GENERATION	525	525	525
TPCL+REL DEMAND	1997	2036	1483
STATE DEMAND MET	12751	13031	10814
Load Management (LM)	1179	2250	1099
Total Load Relief (LS+LM)	1228	2286	1148
UNRESTRICTED STATE DEMAND	13979	15317	11962
Frequency (Hz)	49.85	49.84	49.83

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.42 Hz at 17.15 Hrs	49.38 Hz at 21.12 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 31/Jul/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.32	94.20	145	0	40
Unit 6	3.07	103.35	162	80	150
Unit 7	3.25	105.80	165	100	155
	8.64	303.35			345
Bhusawal					
Unit 2	3.22	82.24	165	45	160
Unit 3	3.58	87.92	165	130	160
Unit 4		0.00	0	0	0
	6.79	170.16			320
Parli					
Unit 3	3.33	62.18	160	97	140
Unit 4	0.00	48.94	0	0	0
Unit 5	1.06	69.14	117	0	0
Unit 6	1.79	17.85	126	0	60
Unit 7	1.43	77.60	126	0	100
	7.61	275.71			300
Chandrapur					
Unit 1	3.17	94.61	141	117	140
Unit 2	2.94	83.45	130	107	120
Unit 3	2.64	118.77	140	67	80
Unit 4	2.45	116.29	121	80	90
Unit 5	8.37	267.83	390	310	380
Unit 6	0.00	95.70	0	0	0
Unit 7	0.00	0.00	0	0	0
	19.56	776.65			810
Paras					
Unit 3	3.02	102.48	150	73	120
Unit 4	2.72	108.66	153	58	80
	5.74	211.13			200
Khaparkheda					
Unit 1	4.22	132.54	185	160	170
Unit 2	4.12	100.09	180	162	160
Unit 3	4.48	142.66	193	180	180
Unit 4	4.91	150.37	222	195	190
Unit 5		2.60	0	0	0
	17.73	528.27			700
Nasik					
Unit 1		0.00	0	0	0
Unit 2		0.00	0	0	0
Unit 3	0.00	66.26	0	0	0
Unit 4	2.98	91.24	170	93	155
Unit 5	3.62	99.48	171	134	155
	6.60	256.98			310
Uran					
All Units	8.70	247.09	402	283	280
	8.70	247.09			280
Dabhol					
RGPPL	39.24	1196.19	1645	1623	1560
	39.24	1196.19			1560
Koyna					
Stage 1-2	2.15	104.06	230	40	600
Stage 4	1.11	134.24	268	0	250
Stage 3	2.26	78.71	240	0	320
	5.52	317.01			1170
Kovna 12&4 Total	3.26	238.29			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.94	7.02	39	39	36
VTRNA	0.00	12.75	0	0	0
TILLARI	0.54	16.38	60	0	60
BHTGR/VEER	0.18	1.84	8	7	4
BHIRA T.R.	0.52	15.02	82	0	80
RNGR+BHTSA	0.06	3.07	3	2	2
BHANDARDRA	0.57	17.12	24	23	18
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.24	29.55	59	49	10
GHATGHAR	0.00	23.56	0	0	0
	4.05	126.30			210
PENCH (MS)					
Pench (MS)	0.28	4.69	40	0	
	0.28	4.69			
Wind					
MalharPeth	0.63	22.17			
Vankuswadi	1.80	51.00			
ATIT	0.25	15.51			
Kale	0.70	17.02			
Satara	0.57	46.85			
Shirala	0.58	19.66			
K Mahankal	3.24	35.90			
Supa	0.25	6.55			
Vita	3.56	92.59			
Dondaicha	6.17	152.84			
Sakri	0.92	23.70			
Nandurbar	0.68	16.11			
Khandke	1.09	31.73			
Khaparale	0.96	25.27			
	21.40	556.88			
CPP					
JSW JAIGAD	12.23	516.58	548	396	525
WARDHA	6.27	206.28	277	244	260
Other CPPs	3.21	128.61			
	21.70	851.47			785
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.38	277.59	490	410	490
Trombay 6	3.60	209.10	150	150	500
Trombay 7A	2.89	87.82	122	118	120
Trombay 7B	1.57	48.62	66	65	60
Trombay 8	0.00	63.76	0	0	0
TATA Hydro	3.24	187.03	283	0	447
	22.69	873.91			1617
REL					
1&2	12.60	374.50	526	523	500
	12.60	374.50			500
Cent Sect					
Share					3363
					3363

MS PG CL	Thermal	72.67	2522.24		2985
	Thml+Gas	81.36	2769.33		3265
	Hydro	9.57	443.31		1380
	Total	90.93	3212.64		4645
State Total		208.86	7070.29		12470

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 31/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	2739	538	283	3560	1627	755	794	3016	3058	-387	-329	9491	1265	9540	1685	12441	49.76
2	2803	225	285	3313	1634	941	791	2940	3246	-306	-205	9746	1175	9795	1556	12477	49.87
3	2814	160	284	3258	1632	714	791	2899	3044	-258	-147	9318	1161	9367	1498	11977	49.78
4	2839	195	285	3319	1630	673	791	2878	3026	-237	-132	9331	1148	9380	1483	11962	49.83
5	2898	166	290	3354	1631	747	789	2868	3008	-226	-100	9453	1159	9502	1461	12073	49.82
6	2907	245	291	3443	1640	871	839	2873	3186	-232	-183	9807	1244	9856	1524	12575	49.94
7	2956	306	335	3597	1643	631	941	2893	3567	-248	-234	10145	1241	10194	1524	12910	49.95
8	3091	341	349	3781	1639	590	939	2918	3732	-274	-229	10452	1241	10501	1566	13259	49.87
9	3194	742	373	4309	1638	590	938	2959	3704	-317	-307	10872	1241	10921	1682	13795	49.88
10	3146	822	388	4356	1637	625	946	3134	3631	-365	-367	10828	1221	10877	1818	13867	49.87
11	3088	784	391	4263	1631	574	946	3299	3666	-429	-376	10704	1218	10753	1969	13891	49.81
12	3119	840	396	4355	1632	642	946	3346	3558	-477	-379	10754	1228	10803	1997	13979	49.85
13	3136	672	402	4210	1637	765	939	3336	3424	-477	-406	10569	1230	10618	1945	13744	49.80
14	3131	177	402	3710	1638	831	941	3307	3769	-451	-317	10572	1230	10621	1898	13700	49.91
15	3158	277	402	3837	1630	921	942	3106	3384	-397	-330	10384	1233	10433	1862	13479	49.78
16	3164	162	397	3723	1645	1070	940	2993	3180	-376	-321	10237	1239	10286	1843	13319	49.95
17	3243	168	396	3807	1641	1269	950	2977	3132	-371	-305	10494	1260	10530	1828	13582	50.00
18	3173	256	399	3828	1644	1338	909	3016	2874	-381	-358	10260	1471	10296	1847	13578	50.13
19	3131	236	390	3757	1638	1292	937	3180	3096	-419	-397	10323	2091	10359	1913	14327	50.00
20	2961	502	393	3856	1630	1156	945	3354	3817	-504	-436	10995	2286	11031	2036	15317	49.84
21	3031	645	388	4064	1623	1188	938	3354	3540	-504	-440	10946	2295	10982	2046	15287	49.72
22	3025	489	388	3902	1630	1142	933	3350	3221	-504	-416	10452	2295	10488	2018	14765	49.78
23	2929	407	394	3730	1630	1092	941	3231	3307	-504	-411	10312	2295	10348	1935	14542	49.81
24	2992	215	395	3602	1642	984	937	3061	3107	-451	-340	9932	1997	9968	1823	13752	49.93
MUs	72.67	9.57	8.70	90.93	39.24	21.40	21.70	74.29	80.28	-9.10	-7.46	246.38	35.46	247.45	42.76	324.60	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 31/Jul/2011

Position as on 6.30 Hrs of 01/Aug/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.	10/08/2011
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
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	31/07/2011	06.32	Stator earth fault.	
Uran Unit A0	120	17/07/2011	11.52		Continued.	Stator earth fault.	
Parli Unit 4	210	29/07/2011	10.11		Continued.	Wet Coal	
Parli Unit 5	210	29/07/2011	11.43	31/07/2011	11.55	Wet Coal	
Khaparkheda Unit 5	500	29/07/2011	13.06		Continued.	Loss of Fuel.	
Parli Unit 7	250	31/07/2011	17.06		Continued.	Main Steam Temp.Low.	
Parli Unit 6	250	31/07/2011	19.05	31/07/2011	22.57	I D Fan Problem.	
Koradi Unit 6	210	31/07/2011	23.59	01/08/2011	02.57	Flame Failure.	
Parli Unit 6	250	01/08/2011	02.47		Continued.	I D Fan Problem.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 31/Jul/2011

Position as on 6.30 Hrs of 01/Aug/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	26/07/2011	20.52		Continued.	Over voltage.
Akola - Wardha - I	26/07/2011	23.53		Continued.	Over Voltage.
Dhule - S'Sarovar- II	28/07/2011	23:15	31/07/2011	08.14	Over Voltage.
Kolhapur-Mapusa-II	29/07/2011	23.28		Continued.	Over Voltage.
Karad - Solapur (PGCIL)	30/07/2011	21.56	31/07/2011	07.09	Over Voltage.
Dhule-Sar'Sarovar - I	30/07/2011	23.31		Continued.	Over Voltage.
Akola - Wardha - II	31/07/2011	22.03		Continued.	Over Voltage
Karad - Solapur (PGCIL)	31/07/2011	22.08		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	31/07/2011	23.04		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
100 KV Group Breakar - II at 220 kv Trombay	28/07/2011	08:56		Continued.	CT Replacement work (up to 31/07/2011)
220/132 KV 100 MVA ICT-I @ Chikhli.	30/07/2011	11.45		Continued.	Replacement by 200 MVA ICT.
220/132 KV,200 MVA ICT-II At Chalisgaon	31/07/2011	09.35	31/07/2011	12.09	Disconnecting the C T to Line Isolator Jumpers(L V Side) of ICT-II.
220/132KV 200 MVA ICT I at Chalisgaon	31/07/2011	12.11	31/07/2011	14.05	For Reconnecting the C T to Line Isolator Jumpers After Isolator Under LES.
Boiser PGCIL-Boiser II	31/07/2011	15.28	31/07/2011	18.23	Hot Spot Attending.
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.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	25/07/2011	22.08		Continued.	Over Voltage.
Bhusawal- Aurangabad	30/07/2011	14.09	31/07/2011	07.55	Over Voltage.
Lonikand- Koyna Stage IV	31/07/2011	00.52	31/07/2011	07.40	Over Voltage.
Bhusawal- Aurangabad	31/07/2011	21.55		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Bus Coupler @ WPCL	07/06/2011	17.22		Continued.	As being normally kept open.
Chandrapur - Warora	03/07/2011	21.47		Continued.	To Control Wardha-Warora & Wardha-Hinganghat loading.
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 Assembaly for Bus Coupler.
400/220 KV 315 MVA ICT-II @ Nagothane.	31/07/2011	16.02	31/07/2011	16.13	PDR.
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.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 31/Jul/2011

Position as on 6.30 Hrs of 01/Aug/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/7 KV 20 MVA Stn.T/F-II at Korady	29/07/2011	16.30		Continued.	220kv Bus Bar Protection Operated.
Warora-Hinganghat	30/07/2011	18.02	31/07/2011	08.26	Gas Pressure of C B Low. Ckt on TBC
Sahara-Urse	31/07/2011	01.34	31/07/2011	02.25	Distance Protection.
Karad-Pedambe	31/07/2011	04.24	31/07/2011	12.27	R Phase Zone-I Declared Faulty.
220/33 KV 50 MVA T/F-I @ Vankhushwadi	31/07/2011	19.10	31/07/2011	19.25	O/C & E/F.
Pusad - Bhugaon	31/07/2011	19.54	31/07/2011	20.04	Dist.Prot. Z-I Y Ph Earth Fault.
Miraj-Maisal	31/07/2011	20.43	31/07/2011	21.30	Differential Protection.
Urse-Sahara	01/08/2011	05.50		Continued.	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Kurunda - Hingoli	31/07/2011	01.44	31/07/2011	04.16	Distance Protection,R & Y Ph.Zone-I.
Nanded - Umri	31/07/2011	01.51	31/07/2011	01.58	Distance Protection,Zone-I.
132/33 KV 50 MVA T/F - II @ Kardha	31/07/2011	23.10	31/07/2011	23.35	O/C,E/F.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/Aug/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	145
Unit 6	210	100
Unit 7	210	140
	620	385
Bhusawal		
Unit 2	210	130
Unit 3	210	130
Unit 4	0	
	420	260
Parli		
Unit 3	210	135
Unit 4	210	0
Unit 5	210	100
Unit 6	250	0
Unit 7	250	0
	1130	235
Chandrapur		
Unit 1	210	120
Unit 2	210	110
Unit 3	210	150
Unit 4	210	170
Unit 5	500	300
Unit 6	500	0
Unit 7	500	0
	2340	850
Paras		
Unit 3	250	150
Unit 4	250	90
	500	240
Khaparkheda		
Unit 1	210	170
Unit 2	210	160
Unit 3	210	190
Unit 4	210	200
Unit 5	500	
	1340	720
Nasik		
Unit 1	120	
Unit 2	120	
Unit 3	210	0
Unit 4	210	160
Unit 5	210	160
	870	320
Uran		
All Units	852	380
	852	380
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	36

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	8
BHIRA T.R.	80	80
RNGR+BHTSA	20	2
BHANDARDRA	45	20
ELDARY	23	0
SMLHY PTN	12	14
GHATGHAR	250	0
	611	220
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	625
WARDHA	405	260
Other CPPs	0	
	1005	885
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3529
	3455	3529