



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

State Load Dispatch Center, Airoli

Daily system Report

for

11/Jul/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 11/Jul/2011 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	83.057	1006.350	1) Madhya Pradesh	33.238	528.252
2) Hydro	6.673	169.951	2) Gujrat	36.923	211.580
3) Gas	10.168	114.484	3) Goa	-6.154	-61.870
Total MSGENCO	99.898	1290.785	4) TAPS 1&2 (Inj.)	7.852	84.260
B) OTHERS			5) Pench (Excess)	-0.075	-0.865
1) RGPPL Gas	37.117	419.841	# Total Cent. Sector	71.784	761.357
2) Wind Generation	23.727	179.152	F) Other Exchanges		
3) CPP	29.358	343.717	1) With TPCL (Excess)	-11.981	-122.653
4) PENCH (MS)	0.075	0.865	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	11.202	154.883
1) TPCL Thermal	24.095	263.766	Include PX	0.000	7.925
2) TPCL Hydro	6.207	58.337	2) MUMBAI Bilateral	11.408	135.194
TOTAL TPCL	30.302	322.103	Include PX	-2.505	-21.150
3) REL Thermal	11.960	136.400	3) MUMBAI Schedule	11.408	136.106
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	119.112	1406.516	1) MSEDCL	249.978	2873.064
2) Hydro (A2+B3+C2)	12.955	229.153	2) TPCL	36.491	387.759
3) Gas (A3+B1)	47.285	534.325	3) REL	17.750	193.352
4) Wind (B2)	23.727	179.152	TOTAL STATE	304.219	3454.175
5) CPP (B3)	29.358	343.717			
TOTAL STATE	232.437	2692.863			

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	3497	3365	3502
MSGENCO Hydro	388	861	97
MSGENCO Gas	396	432	434
MSGENCO Total Generation	4281	4658	4033
Central Sector Receipt	3177	3478	2428
RGPPL	1585	1591	1472
WIND	1118	904	935
CPP	1304	1255	1169
Exchange with Mumbai	-613	-535	-365
MSEDCL DEMAND MET	10852	11376	9672
Load Shedding (LS)	44	55	44
MSEDCL DEMAND (INCL. LS)	10896	11431	9716
TPCL GENERATION	1673	1392	702
REL GENERATION	525	523	417
TPCL+REL DEMAND	2811	2450	1484
STATE DEMAND MET	13663	13826	11156
Load Management (LM)	1204	2338	1135
Total Load Relief (LS+LM)	1248	2393	1179
UNRESTRICTED STATE DEMAND	14911	16219	12335
Frequency (Hz)	49.79	49.70	50.05

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 08.00 Hrs	49.27 Hz at 19.51 Hrs	49.85	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 11/Jul/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	4.17	42.00	178	165	180
Unit 6	3.91	40.93	171	141	162
Unit 7	4.53	36.81	195	180	190
	12.61	119.74			532
Bhusawal					
Unit 2	2.50	30.64	165	0	150
Unit 3	0.00	15.88	0	0	0
Unit 4		0.00	0	0	0
	2.50	46.51			150
Parli					
Unit 3	2.40	30.02	126	10	125
Unit 4	0.00	23.53	0	0	0
Unit 5	2.79	29.99	135	90	110
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	26.43	0	0	0
	5.20	109.96			235
Chandrapur					
Unit 1	3.19	35.24	142	124	140
Unit 2	3.16	33.92	142	126	135
Unit 3	4.34	44.95	190	167	190
Unit 4	4.12	44.14	175	165	180
Unit 5	9.28	99.50	410	365	400
Unit 6	8.67	89.05	395	325	400
Unit 7	0.00	0.00	0	0	0
	32.75	346.80			1445
Paras					
Unit 3	2.82	45.39	174	80	160
Unit 4	2.29	45.50	107	81	100
	5.11	90.89			260
Khaparkheda					
Unit 1	4.50	47.33	210	165	180
Unit 2	4.24	46.93	190	160	180
Unit 3	4.86	51.93	214	175	200
Unit 4	5.03	52.50	223	185	200
Unit 5		0.00	0	0	0
	18.62	198.69			760
Nasik					
Unit 1		0.00	0	0	0
Unit 2		0.00	0	0	0
Unit 3	2.98	31.50	160	70	80
Unit 4	0.00	28.58	0	0	0
Unit 5	3.29	33.67	162	92	100
	6.27	93.76			180
Uran					
All Units	10.17	114.48	442	396	465
	10.17	114.48			465
Dabhol					
RGPPL	37.12	419.84	1608	1466	1570
	37.12	419.84			1570
Koyna					
Stage 1-2	1.49	42.40	200	35	530
Stage 4	0.00	62.05	0	0	250
Stage 3	1.04	27.76	160	0	320
	2.53	132.20			1100
Kovna 12&4 Total	1.49	104.44			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.72	11.02	61	0	60
TILLARI	0.35	4.11	60	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.50	5.02	82	0	80
RNGR+BHTSA	0.03	2.08	2	1	2
BHANDARDRA	0.64	3.28	27	26	20
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.79	7.59	39	30	20
GHATGHAR	1.12	4.65	250	0	0
	4.14	37.75			242
PENCH (MS)					
Pench (MS)	0.08	0.86	25	0	
	0.08	0.86			
Wind					
MalharPeth	0.57	6.45			
Vankuswadi	1.83	14.70			
ATIT	0.25	4.45			
Kale	0.61	4.71			
Satara	0.54	10.72			
Shirala	0.59	5.37			
K Mahankal	2.77	12.79			
Supa	0.27	2.32			
Vita	2.71	25.68			
Dondaicha	8.79	58.19			
Sakri	1.25	8.21			
Nandurbar	0.86	5.85			
Khandke	1.42	11.06			
Khaparale	1.27	8.66			
	23.73	179.15			
CPP					
JSW JAIGAD	16.75	204.54	702	694	635
WARDHA	8.36	80.07	386	291	380
Other CPPs	4.25	59.11			
	29.36	343.72			1015
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	8.06	100.25	460	210	225
Trombay 6	7.77	65.42	505	150	500
Trombay 7A	2.84	31.02	120	115	120
Trombay 7B	1.58	17.22	67	64	60
Trombay 8	3.85	49.84	170	150	225
TATA Hydro	6.21	58.34	459	0	447
	30.30	322.10			1577
REL					
1&2	11.96	136.40	525	417	500
	11.96	136.40			500
Cent Sect					
Share					3448
					3448

MS PG CL	Thermal	83.06	1006.35			3562
	Thml+Gas	93.22	1120.83			4027
	Hydro	6.67	169.95			1342
	Total	99.90	1290.78			5369
State Total		232.44	2692.86			13479

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 11/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	3541	158	435	4134	1490	789	1174	2892	2681	-419	-529	9739	1601	9783	1735	13075	49.89
2	3576	139	434	4149	1466	855	1161	2916	2703	-419	-413	9921	1494	9965	1591	13006	49.91
3	3542	107	433	4082	1470	872	1165	2929	2625	-419	-391	9823	1168	9867	1518	12509	49.98
4	3502	97	434	4033	1472	935	1169	2929	2428	-419	-365	9672	1179	9716	1484	12335	50.05
5	3571	97	433	4101	1470	879	1162	2929	2527	-419	-367	9772	1230	9816	1485	12487	49.98
6	3544	92	436	4072	1470	830	1159	3193	3027	-419	-443	10115	1306	10159	1580	13001	49.93
7	3585	112	427	4124	1472	806	1173	3280	3333	-419	-485	10423	1309	10467	1718	13450	49.91
8	3600	171	439	4210	1472	793	1209	3280	3307	-439	-418	10573	1320	10617	1877	13770	50.03
9	3583	292	417	4292	1471	997	1281	3192	3353	-431	-472	10922	1320	10966	2206	14448	49.96
10	3498	394	413	4305	1585	1157	1298	3219	3053	-468	-538	10860	1277	10904	2574	14711	49.79
11	3497	388	396	4281	1585	1118	1304	3265	3177	-509	-613	10852	1248	10896	2811	14911	49.79
12	3458	377	397	4232	1569	1142	1233	3316	3134	-539	-650	10660	1249	10704	2885	14794	49.61
13	3449	469	398	4316	1582	1152	1239	3360	2956	-519	-610	10635	1252	10679	2853	14740	49.90
14	3465	263	397	4125	1582	1077	1242	3345	2996	-498	-581	10441	1252	10485	2756	14449	49.85
15	3520	108	408	4036	1577	1312	1244	3329	2966	-483	-573	10562	1260	10606	2802	14624	49.69
16	3458	98	415	3971	1594	1134	1240	3226	3160	-493	-568	10531	1266	10575	2795	14592	49.81
17	3394	93	414	3901	1599	1211	1243	3186	3176	-478	-531	10599	1294	10646	2756	14649	49.94
18	3383	126	439	3948	1604	1120	1239	3184	2675	-474	-446	10140	1500	10221	2664	14304	50.01
19	3373	282	440	4095	1606	1069	1247	3391	2509	-507	-490	10036	2199	10112	2544	14779	49.95
20	3430	692	412	4534	1591	937	1247	3444	3190	-528	-463	11051	2386	11108	2533	15970	49.59
21	3365	861	432	4658	1591	904	1255	3470	3478	-528	-535	11376	2393	11431	2450	16219	49.70
22	3296	710	442	4448	1589	914	1244	3472	3169	-528	-522	10867	2384	10913	2343	15594	49.69
23	3295	447	442	4184	1608	809	1254	3358	3044	-528	-519	10390	2377	10429	2225	14992	49.78
24	3132	100	435	3667	1602	915	1176	3235	3116	-528	-459	10017	2139	10053	2058	14214	49.74
MUs	83.06	6.67	10.17	99.90	37.12	23.73	29.36	77.34	71.78	-11.41	-11.98	249.98	37.40	251.12	54.24	341.62	49.85

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 11/Jul/2011

Position as on 6.30 Hrs of 12/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		Continued.	Feasibility test of ESP.	12/07/2011
Koyna Unit 4	75	07/07/2011	11:20		Continued.	Runner Replacement Work.	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		Continued.	Boiler Tube Leakage.	12/07/2011
Parli Unit 4	210	09/07/2011	13.10		Continued.	Low Condenser Vacuum.	
Nasik Unit 4	210	10/07/2011	11.30		Continued.	Withdrawn due to wet coal.	15/07/2011
Bhusawal Unit 2	210	11/07/2011	16.32		Continued.	BLR T/L.	13/07/2011
CPP WPCL U-3	135	11/07/2011	23.05	12/07/2011	02.39	Loss of excitation.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 11/Jul/2011

Position as on 6.30 Hrs of 12/Jul/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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	08/07/2011	23.02	11/07/2011	10.45	Over Voltage.
Dhule-Sar'Sarovar - II	10/07/2011	23.33	11/07/2011	11.57	Over Voltage.
Dhule-Sar'Sarovar - I	11/07/2011	23.05		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		Continued.	R.M.Work
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		Continued.	Transfer of the control from existing C/R panels to BCRs and SCADA.
220/100KV 200MVA ICT-I at Mudshingi	11/07/2011	14.30	11/07/2011	17.35	Q.M.Work
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Malkapur - Khamgaon	11/07/2011	07.09		Continued.	Line isolator replacement work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Kalwa - Padgha - I	11/07/2011	10.44	11/07/2011	15.27	Taken on TBC to attend Hot Spot.
Lonikand - Chakan	11/07/2011	14.19	11/07/2011	17.07	To attend Hot Spot.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Apta-Uran-III	11/07/2011	10.18	11/07/2011	18.00	Attending Hot Spot.
Uran - HOCL	11/07/2011	17.14		Continued.	Taken on TBC at Uran due to DC leakage.
Voltage Level : 132KV			Outage Type FORCED OUTAGE		
Boiser - Viraj	11/07/2011	16.25	11/07/2011	18.03	C.T.Oil leakage.
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		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	10/07/2011	22.05	11/07/2011	07.52	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.
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.
Kalwa - Padgha - I	11/07/2011	15.27	11/07/2011	16.23	Padgha end only,While taking on own C.B.
Kalwa - Padgha - I	11/07/2011	16.39	11/07/2011	16.56	At padgha end only,Maloperationing of

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 11/Jul/2011

Position as on 6.30 Hrs of 12/Jul/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					Main II.
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.
Mahad-Nagothane	10/07/2011	23.27	11/07/2011	15.56	Tripped @ Mahad End Only on PDR.
Boisor - Dahanu	11/07/2011	04.48	11/07/2011	04.58	Tripped @ Boisar End Only,Without any Indication.
Karad - Ogalewadi - II	11/07/2011	14.05	11/07/2011	18.57	B-Ph LA Burst at Karad
Karad-Oglewadi-I	11/07/2011	14.05	11/07/2011	14.23	Distance Protection.
Karad Mudsingi-II	11/07/2011	14.05	11/07/2011	15.10	Distance Protection.
Pedambe-Kharepatan	11/07/2011	15.38	11/07/2011	16.03	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Boiser - Viraj	10/07/2011	22.01	11/07/2011	05.40	Y Ph C T Burst @ Viraj.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 12/Jul/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	180
Unit 6	210	165
Unit 7	210	185
	620	530
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	0	
	420	0
Parli		
Unit 3	210	70
Unit 4	210	0
Unit 5	210	105
Unit 6	250	0
Unit 7	250	0
	1130	175
Chandrapur		
Unit 1	210	140
Unit 2	210	130
Unit 3	210	190
Unit 4	210	180
Unit 5	500	400
Unit 6	500	340
Unit 7	500	0
	2340	1380
Paras		
Unit 3	250	75
Unit 4	250	75
	500	150
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	180
Unit 4	210	180
Unit 5	0	
	840	680
Nasik		
Unit 1	120	
Unit 2	120	
Unit 3	210	120
Unit 4	210	0
Unit 5	210	135
	870	255
Uran		
All Units	852	420
	852	420
Dabhol		
RGPP	1940	1570
	1940	1570
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	60
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	2
BHANDARDRA	45	20
ELDARY	23	0
SMLHY PTN	12	16
GHATGHAR	250	0
	611	238
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	380
Other CPPs	0	
	1005	1015
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	225
TATA Hydro	444	447
	2024	1852
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3495
	3455	3495