



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

State Load Dispatch Center, Airoli

Daily system Report

for

26/Jul/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 26/Jul/2011 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	78.970	2157.672	1) Madhya Pradesh	46.517	1212.439
2) Hydro	29.048	360.937	2) Gujrat	28.897	674.599
3) Gas	7.003	211.332	3) Goa	-5.780	-147.386
Total MSGENCO	115.021	2729.941	4) TAPS 1&2 (Inj.)	7.863	199.290
B) OTHERS			5) Pench (Excess)	-0.180	-2.536
1) RGPPL Gas	38.759	999.863	# Total Cent. Sector	77.317	1936.406
2) Wind Generation	5.083	475.358	F) Other Exchanges		
3) CPP	30.036	726.551	1) With TPCL (Excess)	-12.756	-310.290
4) PENCH (MS)	0.180	2.536	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	14.542	314.089
1) TPCL Thermal	23.153	576.546	Include PX	0.000	2.833
2) TPCL Hydro	6.239	159.621	2) MUMBAI Bilateral	13.970	323.478
TOTAL TPCL	29.392	736.167	Include PX	-0.008	-41.680
3) REL Thermal	12.567	311.596	3) MUMBAI Schedule	13.970	333.010
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	114.690	3045.814	1) MSEDCL	253.640	6560.365
2) Hydro (A2+B3+C2)	35.467	523.094	2) TPCL	36.722	907.916
3) Gas (A3+B1)	45.762	1211.195	3) REL	17.990	450.360
4) Wind (B2)	5.083	475.358	TOTAL STATE	308.352	7918.641
5) CPP (B3)	30.036	726.551			
TOTAL STATE	231.038	5982.012			

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	3321	3290	3238
MSGENCO Hydro	1418	1898	358
MSGENCO Gas	287	293	296
MSGENCO Total Generation	5026	5481	3892
Central Sector Receipt	3765	3500	2664
RGPPL	1604	1601	1639
WIND	36	470	152
CPP	1249	1251	1261
Exchange with Mumbai	-837	-578	-193
MSEDCL DEMAND MET	10843	11732	9415
Load Shedding (LS)	45	39	45
MSEDCL DEMAND (INCL. LS)	10888	11771	9460
TPCL GENERATION	1499	1490	814
REL GENERATION	525	523	523
TPCL+REL DEMAND	2861	2591	1530
STATE DEMAND MET	13704	14323	10945
Load Management (LM)	1110	2158	1037
Total Load Relief (LS+LM)	1155	2197	1082
UNRESTRICTED STATE DEMAND	14859	16520	12027
Frequency (Hz)	49.65	49.47	49.81

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.13 Hz at 13.04 Hrs	48.95 Hz at 12.11 Hrs	49.62	3.22 % 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 26/Jul/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.87	86.31	134	80	140
Unit 6	2.89	90.36	168	45	150
Unit 7	3.88	90.00	180	135	170
	9.65	266.67			460
Bhusawal					
Unit 2	3.64	73.97	170	125	160
Unit 3	3.38	69.48	170	0	160
Unit 4		0.00	0	0	
	7.02	143.45			320
Parli					
Unit 3	1.86	48.09	158	0	0
Unit 4	1.91	43.31	109	0	70
Unit 5	2.46	61.66	115	92	110
Unit 6	3.88	11.76	186	123	150
Unit 7	2.26	66.86	167	0	0
	12.36	231.67			330
Chandrapur					
Unit 1	2.89	79.09	133	110	120
Unit 2	2.61	68.80	128	90	100
Unit 3	4.10	100.04	185	144	170
Unit 4	3.99	99.05	172	155	170
Unit 5	8.88	224.02	410	330	390
Unit 6	0.00	95.70	0	0	0
Unit 7	0.00	0.00	0	0	0
	22.47	666.71			950
Paras					
Unit 3	2.26	87.84	157	0	60
Unit 4	3.62	95.27	179	95	140
	5.88	183.11			200
Khaparkheda					
Unit 1	4.41	111.54	205	165	195
Unit 2	0.00	83.72	0	0	0
Unit 3	4.64	120.27	206	176	195
Unit 4	5.19	126.29	221	210	205
Unit 5	0.20	0.20	47	0	
	14.44	442.01			595
Nasik					
Unit 1	0.00	0.00	0	0	
Unit 2	0.00	0.00	0	0	
Unit 3	0.00	66.26	0	0	0
Unit 4	3.95	74.91	195	135	160
Unit 5	3.20	82.88	164	110	160
	7.15	224.05			320
Uran					
All Units	7.00	211.33	301	273	280
	7.00	211.33			280
Dabhol					
RGPPL	38.76	999.86	1639	1590	1550
	38.76	999.86			1550
Koyna					
Stage 1-2	6.90	86.94	570	45	600
Stage 4	13.99	105.97	900	0	250
Stage 3	4.77	64.58	320	0	320
	25.67	257.49			1170
Kovna 12&4 Total	20.90	192.92			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.46	2.79	20	18	20
VTRNA	0.00	12.51	0	0	60
TILLARI	0.47	13.73	60	0	60
BHTGR/VEER	0.18	0.86	8	7	0
BHIRA T.R.	0.47	12.52	82	0	80
RNGR+BHTSA	0.06	2.83	3	2	7
BHANDARDRA	0.54	14.09	23	22	20
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.19	23.57	57	47	10
GHATGHAR	0.00	20.54	0	0	0
	3.38	103.44			257
PENCH (MS)					
Pench (MS)	0.18	2.54	50	0	
	0.18	2.54			
Wind					
MalharPeth	0.24	18.67			
Vankuswadi	0.74	43.19			
ATIT	0.10	13.31			
Kale	0.27	14.58			
Satara	1.35	41.04			
Shirala	0.22	17.13			
K Mahankal	0.03	29.34			
Supa	0.06	5.66			
Vita	1.22	78.04			
Dondaicha	0.42	131.36			
Sakri	0.03	20.48			
Nandurbar	0.08	13.65			
Khandke	0.23	27.67			
Khaparale	0.10	21.24			
	5.08	475.36			
CPP					
JSW JAIGAD	20.78	439.25	878	817	805
WARDHA	6.27	173.69	269	253	260
Other CPPs	2.99	113.62			
	30.04	726.55			1065
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.54	219.82	490	450	490
Trombay 6	7.20	178.32	490	150	500
Trombay 7A	2.84	73.80	121	115	120
Trombay 7B	1.58	40.85	66	65	60
Trombay 8	0.00	63.76	0	0	0
TATA Hydro	6.24	159.62	387	3	420
	29.39	736.17			1590
REL					
1&2	12.57	311.60	525	521	500
	12.57	311.60			500
Cent Sect					
Share					

MS PG CL	Thermal	78.97	2157.67			3175
	Thml+Gas	85.97	2369.00			3455
	Hydro	29.05	360.94			1427
	Total	115.02	2729.94			4882
State Total		231.04	5982.01			13123

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 26/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	3209	559	292	4060	1629	313	1259	3168	3041	-492	-453	9849	1535	9894	1834	13218	49.62
2	3162	487	295	3944	1632	257	1259	3107	2761	-428	-305	9548	1449	9593	1672	12669	49.69
3	3196	530	295	4021	1630	242	1246	3046	2825	-369	-215	9749	1122	9794	1577	12448	49.67
4	3238	358	296	3892	1639	152	1261	3017	2664	-337	-193	9415	1082	9460	1530	12027	49.81
5	3323	410	295	4028	1632	127	1260	3011	2736	-326	-174	9609	1081	9654	1522	12212	49.69
6	3210	1045	297	4552	1630	81	1257	3026	2945	-342	-284	10181	1177	10226	1638	12996	49.64
7	3114	1646	300	5060	1638	99	1263	3034	2751	-391	-343	10468	1177	10513	1761	13406	49.73
8	3101	1663	296	5060	1634	79	1255	3083	3080	-439	-413	10695	1177	10740	1904	13776	49.77
9	3061	1915	297	5273	1619	63	1260	3137	3004	-492	-516	10703	1177	10748	2223	14103	49.63
10	3099	1716	296	5111	1604	20	1213	3417	3566	-623	-617	10897	1158	10942	2562	14617	49.63
11	3219	1336	291	4846	1605	16	1211	3703	3946	-795	-778	10846	1179	10891	2813	14838	49.66
12	3321	1418	287	5026	1604	36	1249	3763	3765	-858	-837	10843	1155	10888	2861	14859	49.65
13	3320	1191	283	4794	1597	40	1252	3739	3793	-826	-820	10656	1155	10701	2817	14628	49.51
14	3400	1018	282	4700	1605	58	1265	3670	3699	-755	-704	10623	1155	10668	2735	14513	49.73
15	3478	1465	282	5225	1590	79	1269	3537	3338	-745	-734	10767	1157	10812	2773	14697	49.43
16	3474	1488	273	5235	1601	138	1254	3486	3205	-745	-746	10687	1172	10732	2786	14645	49.50
17	3409	1567	291	5267	1604	225	1251	3363	3197	-622	-682	10862	1206	10900	2755	14823	49.57
18	3335	1413	292	5040	1612	346	1237	3397	3163	-655	-638	10760	1404	10798	2696	14860	49.70
19	3291	1270	292	4853	1611	426	1253	3344	3351	-550	-588	10906	2008	10944	2621	15535	49.66
20	3290	1898	293	5481	1601	470	1251	3485	3500	-615	-578	11732	2197	11771	2591	16520	49.47
21	3385	1781	284	5450	1601	464	1252	3533	3334	-659	-564	11570	2207	11610	2485	16262	49.45
22	3470	1369	301	5140	1608	486	1252	3542	3318	-659	-546	11308	2205	11346	2333	15846	49.54
23	3510	858	298	4666	1615	399	1255	3435	3277	-659	-550	10709	2205	10747	2197	15111	49.61
24	3355	647	295	4297	1618	472	1252	3243	3061	-590	-478	10265	1922	10303	2029	14216	49.58
MUs	78.97	29.05	7.00	115.02	38.76	5.09	30.04	80.29	77.32	-13.97	-12.76	253.65	34.46	254.68	54.72	342.82	49.62

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 26/Jul/2011

Position as on 6.30 Hrs of 27/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.	25/07/2011
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
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.	
Khaparkheda Unit 2	210	24/07/2011	14.27		Continued.	Flame Boiler Tube Failure.	
Parli Unit 4	210	25/07/2011	04.15	26/07/2011	01.00	Low Pressure Turbine Problem.	
Parli Unit 3	210	25/07/2011	23.44	26/07/2011	09.25	Drum level low.	
Parli Unit 7	250	26/07/2011	06.11	26/07/2011	10.03	Furnace pressure high.	
Paras Unit 3	250	26/07/2011	08.57	26/07/2011	11.36	Low furnace pressure.	
Koyna ST - IV 4	250	26/07/2011	09.14	26/07/2011	21.40	Excitation Problem.	
Bhusawal Unit 3	210	26/07/2011	17.15	26/07/2011	19.35	Loss of Excitation.	
Khaparkheda Unit 5	0	26/07/2011	19.40	26/07/2011	19.41	Test charged.	
Khaparkheda Unit 5	0	27/07/2011	02.55		Continued.	Tripped.	
Parli Unit 6	250	27/07/2011	02.55		Continued.	Flame Failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/Jul/2011

Position as on 6.30 Hrs of 27/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	21/07/2011	22.20		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	25/07/2011	00.28	26/07/2011	09.32	Over Voltage.
Karad - Solapur (PGCIL)	25/07/2011	22.49	26/07/2011	07.26	Over Voltage.
Dhule-Sar'Sarovar - I	25/07/2011	23.26	26/07/2011	08.55	Over Voltage.
Akola - Aurangabad- II	26/07/2011	20.52		Continued.	Over voltage.
Karad - Solapur (PGCIL)	26/07/2011	22.44		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	26/07/2011	22.53		Continued.	Over Voltage.
Akola - Wardha - I	26/07/2011	23.53		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	27/07/2011	02.27		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		
400/132 KV 200 MVA ICT - II @ Bhusawal	26/07/2011	08.31		Continued.	Replacement of 132 KV line isolator under LES.
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	26/07/2011	09.24	Replacement of isolator work, up to 28.07.2011 (CKT on TBC).
Peth-Nigde	25/07/2011	09.58	26/07/2011	13.40	Breaker Overhauling work.
Bus Coupler @ Koradi	25/07/2011	10.24		Continued.	Transfer of the control from existing C/R panels to BCRs and SCADA.
Karad - Miraj	26/07/2011	09.20	26/07/2011	16.40	Replacement of faulty insulator.
Kalwa-Padgha I	26/07/2011	10.10	26/07/2011	22.00	Making LILO at Temghar.
Padgha-Temghar	26/07/2011	10.10	26/07/2011	22.00	LILO Work.
220/100 KV,200 MVA,ICT at Pal	26/07/2011	10.45	26/07/2011	16.55	Q.M.Work
220 KV Bus Coupler @ Parly- I	26/07/2011	11.13		Continued.	Attending B-Ph pole gas leakage of CGL Breaker.
Apta-Uran-II	26/07/2011	12.26	26/07/2011	18.02	Commissioning of A/R relay.
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.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/100KV,100 MVA ICT at Satara	26/07/2011	10.05	26/07/2011	13.10	To attend oil leakage.
Kandalgaon - Pophali	26/07/2011	14.55	26/07/2011	22.40	Snapping of Y-Ph wavetrap.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	25/07/2011	18.04	26/07/2011	07.54	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 26/Jul/2011

Position as on 6.30 Hrs of 27/Jul/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - I	25/07/2011	22.08		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.
Khaperkheda - Wardha.	20/07/2011	16.59		Continued.	Over Voltage.
Khaparkheda-Kawlewada-II	20/07/2011	17.07		Continued.	Over Voltage.
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.
BBLSR-Waluj	25/07/2011	21.20	26/07/2011	10.25	ICT load control at B'blr.
Nasik-Bablsr - II	26/07/2011	14.37	26/07/2011	18.46	To control loading of BBLR bus section.
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	26/07/2011	15.49	Distance Protection,Patrolling in Progress.
Padgha - Nagothane - I	25/07/2011	18.45	26/07/2011	08.08	Distance protection.
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.
220/66 KV 50 MVA Ict-I @ Warora	26/07/2011	01.15	26/07/2011	20.54	Bursting of HV Side B-Ph CT.
Valve-Jamde	26/07/2011	02.46	26/07/2011	03.30	R-Ph,-E.
Voltage Level : 110KV			Outage Type TRIPPED		
Warna-Bhambarwadi	26/07/2011	20.20		Continued.	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 27/Jul/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	125
Unit 6	210	150
Unit 7	210	160
	620	435
Bhusawal		
Unit 2	210	160
Unit 3	210	160
Unit 4	0	
	420	320
Parli		
Unit 3	210	120
Unit 4	210	100
Unit 5	210	110
Unit 6	250	0
Unit 7	250	80
	1130	410
Chandrapur		
Unit 1	210	140
Unit 2	210	110
Unit 3	210	180
Unit 4	210	170
Unit 5	500	380
Unit 6	500	0
Unit 7	500	0
	2340	980
Paras		
Unit 3	250	130
Unit 4	250	150
	500	280
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	0
Unit 2	120	0
Unit 3	210	0
Unit 4	210	142
Unit 5	210	142
	870	284
Uran		
All Units	852	280
	852	280
Dabhol		
RGPP	1940	1560
	1940	1560
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	18

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	7
BHIRA T.R.	80	80
RNGR+BHTSA	20	3
BHANDARDRA	45	22
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	200
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	805
WARDHA	405	260
Other CPPs	0	
	1005	1065
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	420
	2024	1600
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3479
	3455	3479