



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Jul/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Jul/2011 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	77.279	1702.010	1) Madhya Pradesh	35.273	922.852
2) Hydro	8.272	253.071	2) Gujrat	41.252	491.886
3) Gas	3.318	175.394	3) Goa	-6.002	-112.841
Total MSGENCO	88.869	2130.475	4) TAPS 1&2 (Inj.)	6.903	152.385
B) OTHERS			5) Pench (Excess)	-0.074	-1.681
1) RGPPL Gas	37.961	768.906	# Total Cent. Sector	77.352	1452.601
2) Wind Generation	31.675	363.289	F) Other Exchanges		
3) CPP	23.844	575.037	1) With TPCL (Excess)	-16.110	-222.739
4) PENCH (MS)	0.074	1.681	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	9.627	250.731
1) TPCL Thermal	14.881	469.935	Include PX	-0.283	3.007
2) TPCL Hydro	9.764	111.704	2) MUMBAI Bilateral	14.164	240.634
TOTAL TPCL	24.645	581.639	Include PX	-0.181	-37.707
3) REL Thermal	12.589	236.167	3) MUMBAI Schedule	16.664	245.171
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	104.749	2408.112	1) MSEDCL	243.665	5069.250
2) Hydro (A2+B3+C2)	18.110	366.456	2) TPCL	35.727	696.147
3) Gas (A3+B1)	41.279	944.300	3) REL	17.816	344.531
4) Wind (B2)	31.675	363.289	TOTAL STATE	297.208	6109.928
5) CPP (B3)	23.844	575.037			
TOTAL STATE	219.657	4657.194			

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	3246	3091	3161
MSGENCO Hydro	384	1214	127
MSGENCO Gas	139	136	139
MSGENCO Total Generation	3769	4441	3427
Central Sector Receipt	3652	3942	2232
RGPPL	1607	1617	1468
WIND	1351	1194	1392
CPP	1004	1087	994
Exchange with Mumbai	-982	-872	-170
MSEDCL DEMAND MET	10401	11434	9343
Load Shedding (LS)	38	46	38
MSEDCL DEMAND (INCL. LS)	10439	11480	9381
TPCL GENERATION	1148	1121	775
REL GENERATION	525	525	524
TPCL+REL DEMAND	2655	2518	1469
STATE DEMAND MET	13056	13952	10812
Load Management (LM)	1032	2010	910
Total Load Relief (LS+LM)	1070	2056	948
UNRESTRICTED STATE DEMAND	14126	16008	11760
Frequency (Hz)	49.99	49.84	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.27 Hz at 13:01 Hrs	49.26 Hz at 19:33 Hrs	49.91	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 20/Jul/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.82	71.43	156	77	150
Unit 6	3.56	71.60	168	128	150
Unit 7	3.94	71.36	185	120	185
	10.33	214.38			485
Bhusawal					
Unit 2	3.25	53.94	160	95	150
Unit 3	3.28	47.72	160	105	160
Unit 4	0.00	0.00	0	0	0
	6.53	101.65			310
Parli					
Unit 3	0.00	32.15	0	0	0
Unit 4	2.92	30.58	155	92	130
Unit 5	2.77	47.67	140	63	145
Unit 6	0.00	0.00	0	0	0
Unit 7	2.55	50.53	177	71	110
	8.24	160.93			385
Chandrapur					
Unit 1	2.88	62.84	136	109	140
Unit 2	2.69	54.61	126	105	130
Unit 3	3.58	78.58	177	98	160
Unit 4	3.65	78.02	170	111	150
Unit 5	8.45	175.92	370	283	360
Unit 6	0.00	95.70	0	0	0
Unit 7	0.00	0.00	0	0	0
	21.26	545.67			940
Paras					
Unit 3	3.17	71.31	150	109	130
Unit 4	3.13	75.61	173	81	130
	6.30	146.92			260
Khaparkheda					
Unit 1	4.10	84.84	190	160	160
Unit 2	2.72	82.38	170	0	160
Unit 3	4.14	92.20	193	159	160
Unit 4	4.11	95.96	191	162	160
Unit 5	0.00	0.00	0	0	0
	15.07	355.37			640
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	2.58	60.50	170	0	0
Unit 4	3.62	53.59	175	124	160
Unit 5	3.35	63.00	161	114	160
	9.55	177.09			320
Uran					
All Units	3.32	175.39	140	134	130
	3.32	175.39			130
Dabhol					
RGPPL	37.96	768.91	1618	1466	1560
	37.96	768.91			1560
Koyna					
Stage 1-2	1.80	61.98	205	35	600
Stage 4	0.58	69.60	362	0	250
Stage 3	1.66	46.83	288	0	320
	4.04	178.41			1170
Kovna 12&4 Total	2.38	131.58			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.09	0.09	17	0	0
VTRNA	0.24	12.01	61	0	46
TILLARI	0.60	8.83	60	0	60
BHTGR/VEER	0.00	0.00	5	0	0
BHIRA T.R.	0.53	9.51	81	0	80
RNGR+BHTSA	0.05	2.52	3	2	2
BHANDARDRA	0.78	9.96	33	32	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.96	16.52	47	37	9
GHATGHAR	0.98	15.22	250	0	0
	4.23	74.66			197
PENCH (MS)					
Pench (MS)	0.07	1.68	25	0	0
	0.07	1.68			0
Wind					
MalharPeth	0.84	14.24			
Vankuswadi	2.28	33.24			
ATIT	0.35	9.72			
Kale	0.84	10.93			
Satara	4.88	29.82			
Shirala	0.88	13.24			
K Mahankal	0.16	23.05			
Supa	0.42	4.46			
Vita	4.07	60.20			
Dondaicha	10.81	100.78			
Sakri	1.69	15.37			
Nandurbar	1.14	10.57			
Khandke	1.85	21.73			
Khaparale	1.48	15.95			
	31.68	363.29			
CPP					
JSW JAIGAD	15.48	341.98	703	482	635
WARDHA	5.44	137.09	278	177	260
Other CPPs	2.93	95.96			
	23.84	575.04			895
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	188.32	0	0	0
Trombay 6	10.44	129.70	500	175	500
Trombay 7A	2.85	56.78	120	117	120
Trombay 7B	1.58	31.39	67	65	60
Trombay 8	0.00	63.76	0	0	0
TATA Hydro	9.76	111.70	462	225	447
	24.64	581.64			1127
REL					
1&2	12.59	236.17	526	523	500
	12.59	236.17			500
Cent Sect					
Share					3251
					3251

MS PG CL	Thermal	77.28	1702.01			3340
	Thml+Gas	80.60	1877.40			3470
	Hydro	8.27	253.07			1367
	Total	88.87	2130.48			4837
State Total		219.66	4657.19			12170

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/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	3256	147	138	3541	1476	1382	990	2433	2519	-391	-266	9642	1397	9680	1711	12750	49.83
2	3207	117	139	3463	1467	1421	991	2328	2477	-284	-258	9561	1311	9599	1562	12434	49.90
3	3191	117	139	3447	1466	1378	991	2300	2431	-247	-241	9472	994	9510	1492	11958	49.96
4	3161	127	139	3427	1468	1392	994	2274	2232	-220	-170	9343	948	9381	1469	11760	49.98
5	3261	117	138	3516	1467	1365	984	2274	2251	-220	-201	9382	948	9420	1475	11805	49.93
6	3296	117	139	3552	1599	1405	991	2518	2588	-242	-262	9873	1033	9911	1580	12486	49.91
7	3346	161	139	3646	1616	1273	972	2618	2784	-311	-350	9941	1032	9979	1739	12712	49.96
8	3399	323	139	3861	1614	1304	992	2683	2973	-386	-415	10329	1032	10367	1914	13275	49.93
9	3333	293	139	3765	1613	1472	948	2940	3279	-577	-579	10498	1032	10536	2208	13738	49.85
10	3361	472	139	3972	1617	1412	961	3207	3301	-874	-889	10374	1047	10412	2560	13981	49.88
11	3246	384	139	3769	1607	1351	1004	3299	3652	-1122	-982	10401	1070	10439	2655	14126	49.99
12	3171	352	139	3662	1605	1290	1021	3374	3747	-1167	-1027	10298	1062	10336	2700	14060	49.93
13	3271	296	139	3706	1618	1297	1014	3414	3371	-1151	-1089	9917	1067	9955	2758	13742	49.98
14	3237	237	139	3613	1614	1378	836	3416	3544	-1094	-978	10007	1067	10045	2651	13725	49.96
15	3252	246	138	3636	1602	1240	902	3358	3472	-1067	-1001	9851	1070	9889	2673	13594	49.83
16	3262	232	138	3632	1609	1399	998	3261	3532	-1007	-1001	10169	1087	10207	2671	13927	49.93
17	3279	232	138	3649	1611	1193	1021	3294	3573	-996	-1017	10030	1130	10076	2675	13835	49.97
18	3194	247	137	3578	1611	1302	1019	3284	3695	-963	-976	10229	1260	10275	2623	14112	49.97
19	3159	332	137	3628	1611	1338	1084	3384	3920	-927	-900	10681	1853	10727	2547	15081	49.91
20	3069	927	134	4130	1606	1177	1067	3408	4092	-904	-915	11170	2048	11216	2561	15779	49.69
21	3091	1214	136	4441	1617	1194	1087	3417	3942	-804	-872	11434	2056	11480	2518	16008	49.84
22	3164	732	140	4036	1618	1180	989	3289	3702	-664	-708	10842	2056	10888	2356	15254	49.91
23	3075	557	138	3770	1616	1238	990	3181	3262	-541	-564	10323	2056	10369	2211	14590	49.89
24	2998	293	138	3429	1613	1294	998	2813	3013	-503	-449	9898	1833	9944	2035	13766	49.95
MUs	77.28	8.27	3.32	88.87	37.96	31.68	23.84	71.77	77.35	-16.66	-16.11	243.66	31.49	244.64	53.34	328.50	49.91

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 20/Jul/2011

Position as on 6.30 Hrs of 21/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	25/07/2011
Chandrapur Unit 7	500	29/06/2011	21:40		Continued.	COH	16/08/2011
Koyna Unit 4	75	07/07/2011	11:20	20/07/2011	00.17	Runner Replacement Work.	
Parli Unit 3	210	13/07/2011	07.15	21/07/2011	03.07	Coal mill problem.	
CPP WPCL U-2	135	14/07/2011	18:40		Continued.	Maintenance work.	25/07/2011
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
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
Chandrapur Unit 6	500	12/07/2011	17.24		Continued.	Stator Earth Fault.	25/07/2011
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.	
CPP WPCL U-1	135	18/07/2011	07.03	20/07/2011	05.36	Tripped.	
Cent_Sect NTPC(K-5)	500	19/07/2011	11.43	20/07/2011	10.14	Boiler tube leakage.	
Cent_Sect Sipat-4	500	19/07/2011	20.50	20/07/2011	21.15	Tripped.	
Tata Trombay 5	500	19/07/2011	23.02		Continued.	BLR T/L.	24/07/2011
Nasik Unit 3	210	20/07/2011	01.15	20/07/2011	06.00	Flame Failure.	
CPP JSW (J) U3	300	20/07/2011	13.01	20/07/2011	13.47	PA Fan Triped.	
Khaparkheda Unit 2	210	20/07/2011	17.05		Continued.	Boiler Tube Leakage.	23/07/2011

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Jul/2011

Position as on 6.30 Hrs of 21/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		Continued.	Over Voltage.
Akola - Aurangabad - I	08/07/2011	20.31		Continued.	Over Voltage.
Kolhapur - Mapusa - I	16/07/2011	17.33		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	17/07/2011	18.11	20/07/2011	08.34	Over Voltage.
Karad - Solapur (PGCIL)	19/07/2011	22.15	20/07/2011	07.36	Over Voltage.
Dhule-Sar'Sarovar - II	19/07/2011	23.21	20/07/2011	09.45	Over Voltage.
Karad - Solapur (PGCIL)	20/07/2011	22.06		Continued.	Over Voltage.
Dhule - S'Sarovar- II	20/07/2011	22.10		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
Temburne-Jeur	10/07/2011	15.10	20/07/2011	15.40	220KV Pandharpur s/s B/C taken in service permanently.
Vita - Lamboti	15/07/2011	12.11	20/07/2011	15.26	220KV Pandharpur s/s B/C taken in service permanently.
220 KV TBC @ Koradi	19/07/2011	10.30		Continued.	Transfer of the control from existing C/R panel to BCR and SCADA.
220/7 KV 35 MVA Stn.T/F-II @ Parli	19/07/2011	11.18	20/07/2011	18.05	Replacement of LV breaker.
Chalisgaon-Bhusawal	19/07/2011	20.51		Continued.	Replacement of isolator work, up to 28.07.2011 (CKT on TBC).
Parli-Usmanabad	20/07/2011	07.20	20/07/2011	15.43	Fixing of vibration dampers.
Kolhapur - Peth	20/07/2011	10.15		Continued.	Overhauling of SF6 breaker upto 21.07.2011.
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 - II	13/07/2011	17.34		Continued.	Over Voltage
Bhusawal- Aurangabad	17/07/2011	18.20		Continued.	Over Voltage.
Chandrapur - Parli - III	19/07/2011	22.36		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	20/07/2011	00.34	20/07/2011	07.57	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.
Bus Sectionalizer at Pandharpur.	15/07/2011	12.00	20/07/2011	16.20	220KV Pandharpur s/s B/C taken in service permanently.
Kanhan - Bhandara - I	19/07/2011	16.14	20/07/2011	11.18	Over Voltage.
Ambazari-Amravati	19/07/2011	16.14	20/07/2011	11.12	Over Voltage.
Khaparkheda-Kawlewada-	19/07/2011	16.15	20/07/2011	11.11	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Jul/2011

Position as on 6.30 Hrs of 21/Jul/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
I					
Khaperkheda - Wardha.	19/07/2011	16.26	20/07/2011	11.16	Over Voltage.
P'pur-Malinagar	20/07/2011	16.00	20/07/2011	16.38	220KV Pandharpur s/s B/C taken in service permanantly.
Lamboti - Pandharpur	20/07/2011	16.05	20/07/2011	16.30	220KV Pandharpur s/s B/C taken in service permanantly.
Vita - Pandharpur	20/07/2011	16.15	20/07/2011	16.23	220KV Pandharpur s/s B/C taken in service permanantly.
Khaperkheda - Wardha.	20/07/2011	16.59		Continued.	Over Voltage.
Khaparkheda-Kawlewada-II	20/07/2011	17.07		Continued.	Over Voltage.
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.
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.
Bus section at Airoli Knowledge park	20/07/2011	23.45	21/07/2011	00.20	Bus bar protection operated.
Nasik - Airoli - Knowledge Park	20/07/2011	23.45	21/07/2011	00.16	Bus bar protection operated.
220/22KV,50 MVA T/F-II at Airoli Knowledge park.	20/07/2011	23.45		Continued.	Bus bar protection operated.(T/F is on humming.)
Pophali- Karad II	21/07/2011	05.40		Continued.	Distance protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Kalmeshwar - Katol	20/07/2011	05.48	20/07/2011	05.55	Distance protection.
Mangrulpir-Washim	20/07/2011	19.00		Continued.	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Jul/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	130
Unit 7	210	110
	620	370
Bhusawal		
Unit 2	210	160
Unit 3	210	160
Unit 4	0	0
	420	320
Parli		
Unit 3	210	40
Unit 4	210	105
Unit 5	210	90
Unit 6	250	0
Unit 7	250	125
	1130	360
Chandrapur		
Unit 1	210	120
Unit 2	210	100
Unit 3	210	150
Unit 4	210	130
Unit 5	500	320
Unit 6	500	0
Unit 7	500	0
	2340	820
Paras		
Unit 3	250	140
Unit 4	250	140
	500	280
Khaparkheda		
Unit 1	210	180
Unit 2	210	0
Unit 3	210	190
Unit 4	210	190
Unit 5	0	0
	840	560
Nasik		
Unit 1	120	0
Unit 2	120	0
Unit 3	210	160
Unit 4	210	170
Unit 5	210	160
	870	490
Uran		
All Units	852	130
	852	130
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	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	2
BHANDARDRA	45	32
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	202
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	0
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	400
	2024	1080
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3549
	3455	3549