



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Jul/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/Jul/2011 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	76.241	1624.731	1) Madhya Pradesh	35.013	887.579
2) Hydro	10.013	244.799	2) Gujrat	37.891	450.634
3) Gas	3.342	172.076	3) Goa	-5.667	-106.839
Total MSGENCO	89.596	2041.606	4) TAPS 1&2 (Inj.)	6.155	145.482
B) OTHERS			5) Pench (Excess)	-0.074	-1.607
1) RGPPL Gas	38.691	730.945	# Total Cent. Sector	73.318	1375.249
2) Wind Generation	27.009	331.614	F) Other Exchanges		
3) CPP	21.540	551.193	1) With TPCL (Excess)	-11.069	-206.629
4) PENCH (MS)	0.074	1.607	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	6.233	241.104
1) TPCL Thermal	22.333	455.054	Include PX	-4.121	3.290
2) TPCL Hydro	6.618	101.940	2) MUMBAI Bilateral	12.371	226.470
TOTAL TPCL	28.951	556.994	Include PX	0.135	-37.526
3) REL Thermal	11.981	223.578	3) MUMBAI Schedule	12.371	228.507
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	110.555	2303.363	1) MSEDCL	239.159	4825.585
2) Hydro (A2+B3+C2)	16.705	348.346	2) TPCL	35.022	660.420
3) Gas (A3+B1)	42.033	903.021	3) REL	16.976	326.715
4) Wind (B2)	27.009	331.614	TOTAL STATE	291.157	5812.720
5) CPP (B3)	21.540	551.193			
TOTAL STATE	217.842	4437.537			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	3201	3145	2930
MSGENCO Hydro	451	1452	130
MSGENCO Gas	142	138	137
MSGENCO Total Generation	3794	4735	3197
Central Sector Receipt	3451	3373	2717
RGPPL	1596	1604	1622
WIND	1141	946	1071
CPP	884	966	822
Exchange with Mumbai	-736	-504	-304
MSEDCL DEMAND MET	10130	11137	9125
Load Shedding (LS)	36	42	36
MSEDCL DEMAND (INCL. LS)	10166	11179	9161
TPCL GENERATION	1471	1447	768
REL GENERATION	524	525	421
TPCL+REL DEMAND	2731	2476	1493
STATE DEMAND MET	12861	13613	10618
Load Management (LM)	1004	1976	892
Total Load Relief (LS+LM)	1040	2018	928
UNRESTRICTED STATE DEMAND	13901	15631	11546
Frequency (Hz)	49.84	49.73	49.86

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 04.01 Hrs	49.28 Hz at 19.53 Hrs	49.83	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 19/Jul/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.02	68.60	147	82	145
Unit 6	2.54	68.04	158	0	0
Unit 7	3.54	67.41	170	95	175
	9.10	204.05			320
Bhusawal					
Unit 2	3.43	50.68	170	75	170
Unit 3	3.62	44.44	170	125	150
Unit 4		0.00	0	0	
	7.05	95.12			320
Parli					
Unit 3	0.00	32.15	0	0	0
Unit 4	1.72	27.67	132	11	70
Unit 5	3.21	44.89	163	106	135
Unit 6	0.00	0.00	0	0	0
Unit 7	2.62	47.97	202	58	150
	7.55	152.69			355
Chandrapur					
Unit 1	3.26	59.96	148	118	140
Unit 2	2.96	51.92	133	107	130
Unit 3	3.72	75.00	175	127	150
Unit 4	3.73	74.36	170	100	175
Unit 5	8.27	167.47	370	315	370
Unit 6	0.00	95.70	0	0	0
Unit 7	0.00	0.00	0	0	0
	21.93	524.41			965
Paras					
Unit 3	2.17	68.14	160	56	60
Unit 4	2.17	72.48	149	57	60
	4.34	140.62			120
Khaparkheda					
Unit 1	3.73	80.74	170	120	170
Unit 2	3.85	79.65	169	148	145
Unit 3	3.92	88.06	166	156	160
Unit 4	4.07	91.85	177	164	165
Unit 5		0.00	0	0	
	15.57	340.30			640
Nasik					
Unit 1		0.00	0	0	
Unit 2		0.00	0	0	
Unit 3	3.62	57.91	180	85	160
Unit 4	4.12	49.98	188	146	170
Unit 5	2.97	59.65	170	0	120
	10.70	167.54			450
Uran					
All Units	3.34	172.08	144	137	130
	3.34	172.08			130
Dabhol					
RGPPL	38.69	730.94	1627	1594	1590
	38.69	730.94			1590
Koyna					
Stage 1-2	1.63	60.18	305	30	530
Stage 4	1.02	69.02	540	0	250
Stage 3	2.67	45.17	320	0	320
	5.32	174.37			1100
Kovna 12&4 Total	2.65	129.20			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.31	11.76	61	0	46
TILLARI	0.73	8.23	60	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.55	8.98	80	0	80
RNGR+BHTSA	0.06	2.46	3	2	2
BHANDARDRA	0.90	9.18	38	37	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.15	15.56	54	45	11
GHATGHAR	0.99	14.24	240	0	0
	4.69	70.43			199
PENCH (MS)					
Pench (MS)	0.07	1.61	25	0	
	0.07	1.61			
Wind					
MalharPeth	0.89	13.40			
Vankuswadi	2.24	30.96			
ATIT	0.34	9.37			
Kale	0.86	10.08			
Satara	3.89	24.95			
Shirala	1.84	12.35			
K Mahankal	0.20	22.90			
Supa	0.32	4.03			
Vita	4.73	56.13			
Dondaicha	7.37	89.97			
Sakri	1.04	13.68			
Nandurbar	0.71	9.43			
Khandke	1.30	19.88			
Khaparale	1.28	14.47			
	27.01	331.61			
CPP					
JSW JAIGAD	14.09	326.51	666	475	635
WARDHA	4.04	131.65	187	144	180
Other CPPs	3.41	93.04			
	21.54	551.19			815
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.56	188.32	470	0	500
Trombay 6	8.32	119.25	490	150	500
Trombay 7A	2.87	53.93	121	118	120
Trombay 7B	1.58	29.81	67	65	60
Trombay 8	0.00	63.76	0	0	0
TATA Hydro	6.62	101.94	390	9	447
	28.95	556.99			1627
REL					
1&2	11.98	223.58	526	414	500
	11.98	223.58			500
Cent Sect					
Share					2990
					2990

MS PG CL	Thermal	76.24	1624.73			3170
	Thml+Gas	79.58	1796.81			3300
	Hydro	10.01	244.80			1299
	Total	89.60	2041.61			4599
State Total		217.84	4437.54			12121

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/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	3062	285	138	3485	1617	1156	912	2552	2788	-387	-280	9678	1402	9714	1718	12798	49.80
2	3163	183	137	3483	1623	1184	909	2571	2580	-387	-217	9562	1313	9598	1605	12480	49.74
3	3060	125	137	3322	1625	1116	907	2571	2484	-387	-215	9239	984	9275	1535	11758	49.88
4	3014	125	137	3276	1627	1156	904	2570	2548	-387	-222	9289	940	9325	1489	11718	49.99
5	2930	130	137	3197	1622	1071	822	2581	2717	-387	-304	9125	928	9161	1493	11546	49.86
6	2969	261	137	3367	1616	1314	799	2692	3068	-387	-352	9812	1008	9848	1556	12376	49.80
7	3121	220	137	3478	1621	1167	789	2684	3520	-380	-363	10212	1006	10248	1694	12912	49.93
8	3139	370	141	3650	1617	1155	779	2684	3434	-380	-425	10210	1006	10246	1875	13091	49.96
9	3254	404	141	3799	1611	1272	801	2963	3368	-439	-459	10392	1006	10428	2230	13628	49.90
10	3214	476	144	3834	1610	1120	773	3304	3567	-621	-609	10295	1031	10331	2553	13879	49.91
11	3203	455	144	3802	1609	1168	872	3329	3368	-678	-723	10096	1069	10132	2698	13863	49.90
12	3201	451	142	3794	1596	1141	884	3321	3451	-724	-736	10130	1040	10166	2731	13901	49.84
13	3329	292	141	3762	1607	1214	890	3188	2823	-690	-668	9628	1041	9664	2662	13331	49.84
14	3320	250	142	3712	1610	1136	915	3094	2853	-595	-555	9671	1041	9707	2549	13261	49.77
15	3242	197	140	3579	1594	1134	936	2991	3039	-604	-573	9709	1044	9745	2567	13320	49.64
16	3275	175	140	3590	1603	1063	946	2850	2881	-588	-561	9522	1051	9558	2554	13127	49.66
17	3398	190	141	3729	1612	1090	953	3012	3136	-553	-542	9978	1109	10020	2540	13627	49.83
18	3356	231	140	3727	1604	857	937	3261	3311	-755	-592	9844	1251	9886	2497	13592	49.85
19	3215	451	140	3806	1604	1020	956	3028	3436	-470	-447	10375	1817	10417	2422	14614	49.82
20	3145	1452	138	4735	1604	946	966	2952	3373	-485	-504	11137	2018	11179	2476	15631	49.73
21	3073	1470	137	4680	1606	954	955	3000	3193	-534	-457	10956	2025	10998	2347	15328	49.70
22	3107	867	137	4111	1615	1071	969	2933	3167	-534	-440	10517	2025	10559	2225	14767	49.75
23	3168	710	137	4015	1619	1257	965	2938	2737	-534	-443	10158	2025	10200	2065	14248	49.90
24	3283	243	137	3663	1619	1247	1001	2563	2476	-485	-382	9624	1812	9666	1920	13356	49.86
MUs	76.24	10.01	3.34	89.60	38.69	27.01	21.54	69.63	73.32	-12.37	-11.07	239.16	30.99	240.07	52.00	322.15	49.83

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 19/Jul/2011

Position as on 6.30 Hrs of 20/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	20/07/2011
Chandrapur Unit 7	500	29/06/2011	21.40		Continued.	COH	16/08/2011
Koyna Unit 4	75	07/07/2011	11:20		Continued.	Runner Replacement Work.	22/07/2011
Parli Unit 3	210	13/07/2011	07.15		Continued.	Coal mill problem.	20/07/2011
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.	19/07/2011
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.	
Nasik Unit 5	210	19/07/2011	00.35	19/07/2011	03.55	Flame Failure.	
Koradi Unit 6	210	19/07/2011	03.31	19/07/2011	06.15	Flame Failure.	
Cent_Sect NTPC(K-5)	500	19/07/2011	11.43		Continued.	Boiler tube leakage.	21/07/2011
Tata Trombay 5	500	19/07/2011	23.02		Continued.	BLR T/L.	
Nasik Unit 3	210	20/07/2011	01.15	20/07/2011	06.00	Flame Failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Jul/2011

Position as on 6.30 Hrs of 20/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.
Dhule-Sar'Sarovar - II	15/07/2011	23.37	19/07/2011	10.59	Over Voltage.
Kolhapur - Mapusa - I	16/07/2011	17.33		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	17/07/2011	18.11		Continued.	Over Voltage.
Karad - Solapur (PGCIL)	18/07/2011	21.40	19/07/2011	05.29	Over Voltage.
Karad - Solapur (PGCIL)	19/07/2011	22.15		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	19/07/2011	23.21		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
Koradi-Butibori	15/07/2011	10.37		Continued.	Control Panel Shifting Work.
Bhusawal-Chalisgaon-I	18/07/2011	09.21		Continued.	Line Isolator Replacement Work.
Parli-Usmanabad	19/07/2011	07.07	19/07/2011	18.49	Fixing of vibration damper.
Miraj-Maisal	19/07/2011	09.40	19/07/2011	14.05	Maintenance work.
Karad - Vita - I	19/07/2011	10.10	19/07/2011	15.14	Maintenance work & attending Hot Spot.
220 KV TBC @ Koradi	19/07/2011	10.30		Continued.	Transfer of the control from existing C/R panel to BCR and SCADA.
Karad - Peth	19/07/2011	11.47	19/07/2011	14.28	Maintenance work.
Miraj -Vita	19/07/2011	15.55	19/07/2011	17.45	Maintenance work.
Mulund-Trombay	19/07/2011	16.30	19/07/2011	20.31	Relay testing work.
Chalisgaon-Bhusawal	19/07/2011	20.51		Continued.	Replacement of isolator work, up to 28.07.2011 (CKT on TBC).
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Harangul-Ujani-II	19/07/2011	10.30	19/07/2011	15.34	Q.M.Work
Girwali - Latur MIDC	19/07/2011	11.09		Continued.	Disc insulator strings replacement from LOC 32 to 82.
Kawalewada-Gondia-I	19/07/2011	14.58	19/07/2011	18.00	Relay testing work.
Voltage Level : 132KV			Outage Type FORCED OUTAGE		
Boiser - Palghar - I	19/07/2011	12.35	19/07/2011	13.38	To attend Hot Spot.
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.
Lonikand- Koyna Stage IV	18/07/2011	22.35	19/07/2011	08.18	Over Voltage.
Dhule - Babhaleshwar - I	19/07/2011	03.31	19/07/2011	09.27	Over Voltage.
Chandrapur - Parli - III	19/07/2011	22.36		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	20/07/2011	00.34		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Bus Coupler @ WPCL	07/06/2011	17.22		Continued.	As being normally kept open.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Jul/2011

Position as on 6.30 Hrs of 20/Jul/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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.
Bale-Murud	19/07/2011	07.26	19/07/2011	19.10	To control L/L.
Kanhan - Bhandara - I	19/07/2011	16.14		Continued.	Over Voltage.
Ambazari-Amravati	19/07/2011	16.14		Continued.	Over Voltage.
Khaparkheda-Kawlewada-I	19/07/2011	16.15		Continued.	Over Voltage.
Khaperkheda - Wardha.	19/07/2011	16.26		Continued.	Over Voltage.
Bale-Usmanabad	19/07/2011	18.40	19/07/2011	19.10	To control L/L.due to outage of PRL-U'bad.
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.
Kolhapur-Sawantwadi	19/07/2011	01.14	19/07/2011	10.57	Distance protection.
Valve-Jamde	19/07/2011	17.09	19/07/2011	17.35	At Valve end only,no indication.
Babaleshwar - Nagar - I	19/07/2011	23.45	19/07/2011	24.00	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/Jul/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	150
Unit 6	210	150
Unit 7	210	185
	620	485
Bhusawal		
Unit 2	210	150
Unit 3	210	160
Unit 4	0	
	420	310
Parli		
Unit 3	210	0
Unit 4	210	130
Unit 5	210	145
Unit 6	250	0
Unit 7	250	110
	1130	385
Chandrapur		
Unit 1	210	140
Unit 2	210	130
Unit 3	210	160
Unit 4	210	150
Unit 5	500	360
Unit 6	500	0
Unit 7	500	0
	2340	940
Paras		
Unit 3	250	130
Unit 4	250	130
	500	260
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	160
Unit 4	210	160
Unit 5	0	
	840	640
Nasik		
Unit 1	120	0
Unit 2	120	0
Unit 3	210	0
Unit 4	210	160
Unit 5	210	160
	870	320
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	0

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	46
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	2
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	197
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	447
	2024	1127
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3251
	3455	3251