



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Aug/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Aug/2011 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	69.245	1525.318	1) Madhya Pradesh	44.716	1019.378
2) Hydro	16.025	322.760	2) Gujrat	52.746	888.622
3) Gas	14.646	244.205	3) Goa	-5.262	-119.689
Total MSGENCO	99.916	2092.283	4) TAPS 1&2 (Inj.)	7.819	164.057
B) OTHERS			5) Pench (Excess)	-0.164	-4.630
1) RGPPL Gas	38.886	795.506	# Total Cent. Sector	99.855	1947.738
2) Wind Generation	5.269	416.247	F) Other Exchanges		
3) CPP	20.382	457.682	1) With TPCL (Excess)	-10.964	-268.847
4) PENCH (MS)	0.164	6.216	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	29.100	467.968
1) TPCL Thermal	19.680	471.568	Include PX	10.595	108.585
2) TPCL Hydro	3.301	107.204	2) MUMBAI Bilateral	12.449	275.097
TOTAL TPCL	22.981	578.772	Include PX	0.589	3.587
3) REL Thermal	12.593	245.860	3) MUMBAI Schedule	12.449	278.309
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	101.518	2242.746	1) MSEDCL	253.508	5446.825
2) Hydro (A2+B3+C2)	19.490	436.180	2) TPCL	30.437	724.956
3) Gas (A3+B1)	53.532	1039.711	3) REL	16.100	368.500
4) Wind (B2)	5.269	416.247	TOTAL STATE	300.045	6540.281
5) CPP (B3)	20.382	457.682			
TOTAL STATE	200.191	4592.566			

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	2855	2807	2916
MSGENCO Hydro	987	1922	172
MSGENCO Gas	605	611	617
MSGENCO Total Generation	4447	5340	3705
Central Sector Receipt	4577	3658	3784
RGPPL	1598	1602	1636
WIND	90	392	131
CPP	867	908	815
Exchange with Mumbai	-534	-518	-355
MSEDCL DEMAND MET	11045	11398	9716
Load Shedding (LS)	46	46	43
MSEDCL DEMAND (INCL. LS)	11091	11444	9759
TPCL GENERATION	1066	1137	755
REL GENERATION	524	524	525
TPCL+REL DEMAND	2124	2179	1635
STATE DEMAND MET	13169	13577	11351
Load Management (LM)	1155	2194	1211
Total Load Relief (LS+LM)	1201	2240	1254
UNRESTRICTED STATE DEMAND	14370	15817	12605
Frequency (Hz)	49.83	49.69	49.87

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.35 Hz at 17.02 Hrs	49.4 Hz at 19.39 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 21/Aug/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.35	64.02	154	106	150
Unit 6	3.20	49.90	155	109	130
Unit 7	3.74	67.07	170	145	160
	10.28	180.99			440
Bhusawal					
Unit 2	2.80	57.56	140	65	130
Unit 3	2.52	48.89	155	0	140
Unit 4	0.00	0.00	0	0	
	5.32	106.46			270
Parli					
Unit 3	0.00	3.78	0	0	0
Unit 4	2.31	54.26	112	83	105
Unit 5	2.41	25.26	135	72	100
Unit 6	0.00	39.79	0	0	0
Unit 7	3.28	58.21	240	94	115
	8.01	181.30			320
Chandrapur					
Unit 1	2.69	61.42	131	85	115
Unit 2	2.79	56.27	132	100	100
Unit 3	4.27	60.51	187	158	190
Unit 4	0.00	53.08	0	0	0
Unit 5	7.90	164.43	385	300	320
Unit 6	7.37	94.44	357	260	325
Unit 7	0.00	0.00	0	0	0
	25.02	490.14			1050
Paras					
Unit 3	0.00	53.20	0	0	0
Unit 4	2.90	58.70	136	103	120
	2.90	111.89			120
Khaparkheda					
Unit 1	2.42	75.77	130	75	150
Unit 2	3.00	78.91	150	80	150
Unit 3	3.57	82.08	163	136	150
Unit 4	3.95	76.05	172	159	150
Unit 5	0.00	2.37	0	0	
	12.94	315.18			600
Nasik					
Unit 1	0.00	0.00	0	0	
Unit 2	0.00	0.00	0	0	
Unit 3	0.00	0.00	0	0	0
Unit 4	2.13	67.39	133	22	142
Unit 5	2.64	71.97	156	50	142
	4.77	139.36			284
Uran					
All Units	14.65	244.20	625	590	600
	14.65	244.20			600
Dabhol					
RGPPL	38.89	795.51	1651	1598	1570
	38.89	795.51			1570
Koyna					
Stage 1-2	3.59	69.74	465	40	600
Stage 4	5.70	106.34	895	0	250
Stage 3	2.30	49.95	320	0	320
	11.59	226.02			1170
Koyna 12&4 Total	9.29	176.07			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.94	18.87	39	38	36
VTRNA	0.00	2.03	0	0	60
TILLARI	0.47	15.58	60	0	60
BHTGR/VEER	0.22	3.77	9	9	9
BHIRA T.R.	0.46	9.77	82	0	80
RNGR+BHTSA	0.05	1.10	2	2	2
BHANDARDRA	0.67	10.94	28	28	28
ELDARY	0.00	0.00	0	0	
SMLHY PTN	1.37	26.94	65	54	9
GHATGHAR	0.26	7.73	125	0	
	4.43	96.74			284
PENCH (MS)					
Pench (MS)	0.16	6.22	50	0	
	0.16	6.22			
Wind					
MalharPeth	0.51	24.64			
Vankuswadi	0.71	39.39			
ATIT	0.34	8.77			
Kale	0.27	12.41			
Satara	0.64	49.63			
Shirala	0.25	13.66			
K Mahankal	0.16	19.21			
Supa	0.06	5.90			
Vita	0.66	58.07			
Dondaicha	0.96	110.61			
Sakri	0.14	19.59			
Nandurbar	0.12	11.15			
Khandke	0.17	24.90			
Khaparale	0.29	18.32			
	5.27	416.25			
CPP					
JSW JAIGAD	11.52	267.75	532	268	535
WARDHA	6.28	128.60	266	253	260
Other CPPs	2.58	61.33			
	20.38	457.68			795
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.76	238.75	490	490	500
Trombay 6	5.13	131.46	300	155	500
Trombay 7A	0.00	52.48	0	0	0
Trombay 7B	0.00	28.99	0	0	0
Trombay 8	2.79	19.89	150	86	125
TATA Hydro	3.30	107.20	330	0	447
	22.98	578.77			1572
REL					
1&2	12.59	245.86	526	523	500
	12.59	245.86			500
Cent Sect					
Share					3533
					3533

MS PG CL	Thermal	69.24	1525.32			3084
	Thml+Gas	83.89	1769.52			3684
	Hydro	16.02	322.76			1454
	Total	99.92	2092.28			5138
State Total		200.19	4592.57			13108

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/Aug/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	2879	731	613	4223	1618	144	921	3727	3751	-608	-441	10216	1336	10259	1943	13495	49.83
2	2842	308	612	3762	1629	136	914	3677	3868	-524	-393	9916	1256	9959	1779	12951	49.86
3	2867	172	613	3652	1636	127	843	3594	3903	-524	-386	9775	1258	9818	1699	12732	49.94
4	2916	172	617	3705	1636	131	815	3594	3784	-524	-355	9716	1254	9759	1635	12605	49.87
5	2979	172	618	3769	1638	162	834	3637	3830	-524	-341	9892	1251	9935	1620	12763	49.90
6	2973	172	616	3761	1642	191	851	3980	4235	-524	-386	10294	1350	10337	1668	13312	49.91
7	2975	177	625	3777	1651	217	826	3971	4254	-559	-393	10332	1352	10378	1692	13376	50.12
8	2923	213	610	3746	1643	226	844	3971	4597	-569	-409	10647	1363	10704	1696	13706	49.95
9	2857	275	619	3751	1635	183	877	3982	5062	-599	-544	10964	1379	11037	1832	14175	49.89
10	2846	441	611	3898	1631	111	864	3981	5072	-599	-606	10970	1296	11026	1991	14257	49.94
11	2816	559	600	3975	1609	81	875	4019	4770	-648	-555	10755	1221	10803	2082	14058	49.85
12	2855	987	605	4447	1598	90	867	4019	4577	-522	-534	11045	1201	11091	2124	14370	49.83
13	2859	965	599	4423	1605	104	879	4008	4429	-469	-567	10873	1196	10919	2123	14192	49.99
14	2790	800	590	4180	1603	188	892	4019	4310	-469	-510	10663	1198	10711	2049	13910	49.83
15	2861	849	601	4311	1602	246	895	3969	4155	-420	-453	10756	1204	10803	2009	13969	49.82
16	2872	630	612	4114	1602	303	877	3837	4116	-420	-416	10596	1204	10643	1969	13769	49.82
17	2847	406	609	3862	1604	376	891	3754	4480	-420	-426	10787	1248	10834	1943	13978	50.04
18	2817	274	611	3702	1611	345	894	3405	4404	-420	-473	10483	1398	10532	1941	13822	50.06
19	2821	506	614	3941	1606	364	893	3413	4424	-469	-532	10696	2027	10744	2055	14778	49.85
20	2807	1922	611	5340	1602	392	908	3425	3658	-531	-518	11398	2240	11444	2179	15817	49.69
21	2975	1925	609	5509	1607	369	902	3484	3220	-546	-425	11232	2249	11278	2193	15674	49.68
22	2966	1660	608	5234	1619	320	757	3498	3360	-546	-431	10906	2249	10952	2172	15327	49.73
23	2937	1164	609	4710	1629	223	633	3573	3701	-546	-452	10490	2246	10533	2109	14845	49.77
24	2965	545	614	4124	1630	240	630	3448	3895	-473	-418	10106	1980	10149	2035	14121	49.74
MUs	69.24	16.02	14.65	99.92	38.89	5.27	20.38	89.98	99.86	-12.45	-10.96	253.51	35.96	254.65	46.54	336.00	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 21/Aug/2011

Position as on 6.30 Hrs of 22/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.	22/08/2011
Chandrapur Unit 7	500	29/06/2011	21:40		Continued.	COH	22/08/2011
Nasik Unit 3	210	23/07/2011	01.55	22/08/2011	02.30	Annual Overhaul.	
Chandrapur Unit 4	210	16/08/2011	00.04		Continued.	Annual Overhaul.	10/09/2011
Paras Unit 3	250	19/08/2011	16.33		Continued.	Annual Overhaul.	20/09/2011
Tata Trombay 7B	60	20/08/2011	00.45		Continued.	Gas Path Inspection	26/08/2011
Tata Trombay 7A	120	20/08/2011	01.45		Continued.	Gas Path Inspection	26/08/2011
FORCED OUTAGE							
Parli Unit 3	210	02/08/2011	12.43		Continued.	Hydrogen leakage.	22/08/2011
Khaparkheda Unit 5	500	05/08/2011	09.32		Continued.	H.P.Pump problem	
CPP WPCL U-1	135	19/08/2011	00.48		Continued.	Maintenance work.	22/08/2011
Cent_Sect Sipat-4	500	19/08/2011	05.44		Continued.	Boiler tube leakage.	22/08/2011
CPP JSW (J) U1	300	19/08/2011	21.43		Continued.	Condensor Tube Leakage	
Parli Unit 6	250	20/08/2011	03.30		Continued.	Wet Coal Problem	
Bhusawal Unit 3	210	20/08/2011	22.53	21/08/2011	03.36	Flame Failure	
Cent_Sect NTPC (V-1)	210	21/08/2011	14.17		Continued.	Bunkering Problem.	
Cent_Sect NTPC(V-2)	210	21/08/2011	14.44		Continued.	Bunkering Problem.	
CPP JSW (J) U3	300	21/08/2011	22.30		Continued.	Maintenance work.	23/08/2011
Parli Unit 5	210	22/08/2011	01.04		Continued.	High Frequency Zerk.	
Bhusawal Unit 3	210	22/08/2011	03.11	22/08/2011	06.20	Furnace Pressure Low.	
Tata Trombay 8	250	22/08/2011	03.27		Continued.	To Attend Air Preheater Washing.	23/08/2011
Cent_Sect NTPC(V-8)	500	22/08/2011	04.17		Continued.	Furnance pressure high.	23/08/2011
CPP Abhijeet	62	22/08/2011	05.52		Continued.	Tripped.	23/08/2011

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Aug/2011

Position as on 6.30 Hrs of 22/Aug/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	19/08/2011	18.22		Continued.	Over Voltage
Wardha - Akola - I	19/08/2011	23.33		Continued.	Over Voltage
Karad - Solapur (PGCIL)	20/08/2011	20.51	21/08/2011	07.56	Over Voltage
Dhule-Khandwa I	21/08/2011	00.38		Continued.	Over Voltage
Karad - Solapur (PGCIL)	21/08/2011	22.07		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur-Bhadravati-II	21/08/2011	12.34	21/08/2011	13.42	Distance Protection.
Chandrapur-Bhadravti - I	21/08/2011	12.34	21/08/2011	13.17	Distance Protection.
Chandrapur-Bhadravti - I	21/08/2011	13.54	21/08/2011	19.27	B-phase to Earth fault.
Voltage Level : 220KV			Outage Type TRIPPED		
Tillary-Amona	21/08/2011	00.18	21/08/2011	02.00	Over Voltage
Halkarni-Amona I	21/08/2011	00.18	21/08/2011	00.53	Over Voltage
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC Pole-I	21/08/2011	11.19		Continued.	Annual Maintenance Work.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV315 MVA ICT-I @ BBLR	19/08/2011	23.35		Continued.	Oil Filtration work
Lonikand- Koyna Stage IV	21/08/2011	07.19	21/08/2011	12.18	To Attend Hot Spot.
Parli-Lonikand - II	21/08/2011	13.09	21/08/2011	17.42	Measurement of bus jumper clamp.
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 25.08.2011.
220/132 KV 100 MVA ICT-I @ Chikhli.	30/07/2011	11.45		Continued.	Replacement by 200 MVA ICT.Up to 24.08.2011.
220/132 KV 250 MVA ICT at Ambazari	05/08/2011	10.41		Continued.	ICT is to be replaced by 200 MVA ICT Upto 24.8.11.
Kanhan - Bhandara - I	16/08/2011	09.23		Continued.	Tower height extension work up to 24.08.2011.
Khaparkhedra - Kanhan - I	16/08/2011	09.36		Continued.	Tower height extension work up to 24.08.2011.
220/132KV 100 MVA ICT-I @ Kanhan	20/08/2011	13.31		Continued.	Breaker Overhaul(ICT LV side is on TBC)
220/132KV,200MVA ICT-III At Nanded.	21/08/2011	15.15	21/08/2011	21.00	To Take Newly Extended Aux. Bus in Service.
220 KV Main Bus @ Bhosari	22/08/2011	00.19	22/08/2011	03.48	To Attend Hot Spot on 220 KV Bus Side Isolator of 220KV Chakan Line.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Chalisgaon - Chalisgaon - II	21/08/2011	10.40		Continued.	Replacement of Bus Isolator.
Beed - Talegaon	21/08/2011	12.15	21/08/2011	13.30	Replacement of Damage Insulator of String @ Loc. No.131.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV,100 MVA Spare Unit at Korady	04/08/2011	16.28		Continued.	To attend buchholz alarm problem.
Bhusawal- Aurangabad	20/08/2011	18.36		Continued.	Over Voltage

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Aug/2011

Position as on 6.30 Hrs of 22/Aug/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - II	21/08/2011	00.23		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	03/07/2011	21.47		Continued.	To Control Wardha-Warora & Wardha-Hinganghat loading.
Padgha-Temghar I	20/08/2011	15.18		Continued.	To Control Padgha ICT Load
Padgha - Temghar - II	20/08/2011	15.22		Continued.	To Control Padgha ICT Load
Nasik-Bablsr - II	21/08/2011	19.15		Continued.	To Control Padgha 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.
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).
Parli-Usmanabad	21/08/2011	13.43	21/08/2011	14.54	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Parbhani-Jintur	21/08/2011	09.27	21/08/2011	10.07	B Phase C T Problem.
Bale - Nuldurg	21/08/2011	15.37	21/08/2011	15.49	Tripped.
Bale - Nuldurg	21/08/2011	16.44		Continued.	Tripped.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/Aug/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	161
Unit 6	210	143
Unit 7	210	153
	620	457
Bhusawal		
Unit 2	210	90
Unit 3	210	0
Unit 4	0	
	420	90
Parli		
Unit 3	210	0
Unit 4	210	105
Unit 5	210	0
Unit 6	250	0
Unit 7	250	200
	1130	305
Chandrapur		
Unit 1	210	125
Unit 2	210	125
Unit 3	210	180
Unit 4	210	0
Unit 5	500	390
Unit 6	500	390
Unit 7	500	0
	2340	1210
Paras		
Unit 3	250	0
Unit 4	250	100
	500	100
Khaparkheda		
Unit 1	210	130
Unit 2	210	140
Unit 3	210	160
Unit 4	210	170
Unit 5	500	
	1340	600
Nasik		
Unit 1	120	
Unit 2	120	
Unit 3	210	20
Unit 4	210	75
Unit 5	210	60
	870	155
Uran		
All Units	852	600
	852	600
Dabhol		
RGPP	1940	1570
	1940	1570
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	9
BHIRA T.R.	80	80
RNGR+BHTSA	20	2
BHANDARDRA	45	28
ELDARY	23	
SMLHY PTN	12	9
GHATGHAR	250	
	611	224
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	536
WARDHA	405	260
Other CPPs	0	
	1005	796
Tata		
Trombay 4	150	0
Trombay 5	500	490
Trombay 6	500	500
Trombay 7A	120	0
Trombay 7B	60	0
Trombay 8	250	0
TATA Hydro	444	447
	2024	1437
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3397
	3455	3397