



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

State Load Dispatch Center, Airoli

Daily system Report

for

13/Aug/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 13/Aug/2011 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	80.269	959.441	1) Madhya Pradesh	34.613	614.816
2) Hydro	7.572	188.211	2) Gujrat	55.389	490.928
3) Gas	11.162	133.968	3) Goa	-5.384	-73.558
Total MSGENCO	99.003	1281.620	4) TAPS 1&2 (Inj.)	7.821	101.525
B) OTHERS			5) Pench (Excess)	-0.051	-3.633
1) RGPPL Gas	34.293	486.835	# Total Cent. Sector	92.388	1130.078
2) Wind Generation	25.729	323.976	F) Other Exchanges		
3) CPP	21.535	289.204	1) With TPCL (Excess)	-8.848	-174.641
4) PENCH (MS)	0.051	5.219	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	24.596	265.167
1) TPCL Thermal	22.228	289.235	Include PX	6.337	39.233
2) TPCL Hydro	4.161	74.920	2) MUMBAI Bilateral	10.333	172.979
TOTAL TPCL	26.389	364.155	Include PX	-0.008	5.209
3) REL Thermal	12.624	145.254	3) MUMBAI Schedule	10.333	176.190
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	115.121	1393.930	1) MSEDCL	264.151	3342.291
2) Hydro (A2+B3+C2)	11.784	268.350	2) TPCL	31.429	453.480
3) Gas (A3+B1)	45.455	620.803	3) REL	16.431	230.532
4) Wind (B2)	25.729	323.976	TOTAL STATE	312.011	4026.303
5) CPP (B3)	21.535	289.204			
TOTAL STATE	219.624	2896.263			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3350	3403	3126
MSGENCO Hydro	463	669	175
MSGENCO Gas	439	445	448
MSGENCO Total Generation	4252	4517	3749
Central Sector Receipt	4638	3847	3177
RGPPL	1062	1603	1612
WIND	1197	878	1200
CPP	916	889	911
Exchange with Mumbai	-396	-360	-252
MSEDCL DEMAND MET	11669	11381	10397
Load Shedding (LS)	30	0	0
MSEDCL DEMAND (INCL. LS)	11699	11381	10397
TPCL GENERATION	1488	1258	834
REL GENERATION	525	526	526
TPCL+REL DEMAND	2409	2144	1612
STATE DEMAND MET	14078	13525	12009
Load Management (LM)	1368	2580	1277
Total Load Relief (LS+LM)	1398	2580	1277
UNRESTRICTED STATE DEMAND	15476	16105	13286
Frequency (Hz)	49.97	49.81	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.4 Hz at 17:03 Hrs	49.49 Hz at 19:14 Hrs	50.01	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 13/Aug/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.18	38.68	148	111	135
Unit 6	2.50	23.85	158	45	105
Unit 7	3.27	38.48	155	105	135
	8.96	101.02			375
Bhusawal					
Unit 2	3.20	39.26	165	120	140
Unit 3	3.40	27.81	165	130	130
Unit 4	0.00	0.00	0	0	0
	6.60	67.08			270
Parli					
Unit 3	0.00	3.78	0	0	0
Unit 4	3.05	32.07	155	109	115
Unit 5	0.46	12.08	103	0	0
Unit 6	3.53	19.97	188	52	120
Unit 7	2.20	36.60	183	51	100
	9.25	104.49			335
Chandrapur					
Unit 1	2.61	38.97	125	78	120
Unit 2	2.73	36.01	123	93	110
Unit 3	3.61	34.55	178	100	180
Unit 4	3.83	46.53	168	144	170
Unit 5	8.48	108.12	385	330	380
Unit 6	6.78	45.95	335	232	325
Unit 7	0.00	0.00	0	0	0
	28.03	310.13			1285
Paras					
Unit 3	2.08	39.39	147	66	80
Unit 4	3.31	36.92	171	86	120
	5.38	76.31			200
Khaparkheda					
Unit 1	3.74	50.86	165	140	155
Unit 2	3.73	49.92	172	138	155
Unit 3	3.90	51.74	169	152	160
Unit 4	3.93	55.52	168	160	160
Unit 5	0.00	2.37	0	0	0
	15.30	210.42			630
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	0.00	0	0	0
Unit 4	3.28	43.83	164	103	122
Unit 5	3.47	46.16	160	105	122
	6.75	90.00			244
Uran					
All Units	11.16	133.97	603	433	430
	11.16	133.97			430
Dabhol					
RGPPL	34.29	486.84	1626	963	1550
	34.29	486.84			1550
Koyna					
Stage 1-2	1.80	43.32	335	35	530
Stage 4	0.36	58.87	150	0	250
Stage 3	0.62	30.06	168	0	240
	2.78	132.25			1020
Kovna 12&4 Total	2.16	102.19			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.92	11.45	40	38	36
VTRNA	0.00	1.27	0	0	44
TILLARI	0.74	9.71	60	0	60
BHTGR/VEER	0.19	2.35	8	7	8
BHIRA T.R.	0.49	6.32	81	0	80
RNGR+BHTSA	0.06	0.72	3	2	2
BHANDARDRA	0.83	5.30	35	34	23
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.28	16.36	61	50	10
GHATGHAR	0.30	2.49	178	0	0
	4.80	55.96			263
PENCH (MS)					
Pench (MS)	0.05	5.22	33	0	0
	0.05	5.22			0
Wind					
MalharPeth	1.26	18.72			
Vankuswadi	2.29	30.34			
ATIT	0.32	5.80			
Kale	0.68	9.76			
Satara	4.50	38.81			
Shirala	0.73	10.99			
K Mahankal	0.13	17.28			
Supa	0.38	4.82			
Vita	4.27	46.25			
Dondaicha	6.52	85.13			
Sakri	1.18	14.37			
Nandurbar	0.62	8.47			
Khandke	1.66	19.08			
Khaparale	1.18	14.15			
	25.73	323.98			
CPP					
JSW JAIGAD	13.33	171.43	559	522	530
WARDHA	5.32	78.28	238	200	230
Other CPPs	2.89	39.50			
	21.54	289.20			760
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.76	147.67	490	485	500
Trombay 6	6.04	86.75	470	150	500
Trombay 7A	2.86	35.25	120	118	120
Trombay 7B	1.57	19.57	66	64	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.16	74.92	377	0	447
	26.39	364.16			1627
REL					
1&2	12.62	145.25	527	525	500
	12.62	145.25			500
Cent Sect					
Share					3038
					3038

MS PG CL	Thermal	80.27	959.44		3339
	Thml+Gas	91.43	1093.41		3769
	Hydro	7.57	188.21		1283
	Total	99.00	1281.62		5052
State Total		219.62	2896.26		12527

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 13/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	3255	170	448	3873	1610	1136	914	2923	3439	-488	-526	10446	1379	10446	1898	13723	49.98
2	3248	190	448	3886	1612	1165	913	2804	3160	-423	-352	10384	1285	10384	1714	13383	50.03
3	3126	175	448	3749	1612	1200	911	2741	3177	-353	-252	10397	1277	10397	1612	13286	49.98
4	3286	180	448	3914	1613	1206	883	2736	3216	-348	-204	10628	1279	10628	1566	13473	49.98
5	3277	190	440	3907	1626	1232	911	2744	3154	-348	-210	10620	1292	10620	1569	13481	50.07
6	3309	175	439	3923	1614	1045	913	2888	3760	-343	-268	10987	1384	10987	1630	14001	49.96
7	3365	190	433	3988	1618	1106	907	2904	4122	-343	-328	11413	1422	11450	1688	14523	50.09
8	3468	222	440	4130	1617	1106	912	3025	4163	-385	-325	11603	1533	11751	1793	14929	50.10
9	3526	324	441	4291	1615	1153	905	3135	4266	-439	-439	11791	1498	11904	1991	15280	50.10
10	3476	330	438	4244	1612	1026	905	3146	3793	-439	-453	11127	1488	11245	2241	14856	49.99
11	3350	463	439	4252	1062	1197	916	3193	4638	-488	-396	11669	1398	11699	2409	15476	49.97
12	3227	618	440	4285	963	1188	914	3267	4391	-488	-385	11356	1337	11356	2433	15126	49.92
13	3346	526	443	4315	1006	1143	880	3267	4126	-488	-369	11101	1331	11101	2368	14800	49.93
14	3340	227	443	4010	1010	1103	887	3267	4449	-481	-351	11108	1331	11108	2230	14669	50.09
15	3353	237	438	4028	972	1177	888	3244	4510	-459	-357	11218	1336	11218	2184	14738	49.97
16	3405	237	439	4081	1010	1202	886	3168	4529	-389	-300	11408	1332	11408	2128	14868	50.09
17	3314	236	441	3991	1091	1105	886	3154	4201	-353	-263	11011	1390	11011	2068	14469	49.99
18	3391	231	489	4111	1348	970	890	3134	3679	-331	-345	10653	1635	10653	2031	14319	50.14
19	3450	250	539	4239	1600	937	887	3173	3486	-363	-445	10704	2371	10704	2084	15159	50.06
20	3403	669	445	4517	1603	878	889	3177	3847	-426	-360	11381	2580	11381	2144	16105	49.81
21	3426	700	488	4614	1623	912	890	3265	3516	-515	-444	11144	2590	11144	2150	15884	49.96
22	3428	452	491	4371	1619	877	893	3295	3632	-548	-480	10923	2590	10923	2082	15595	50.00
23	3266	329	603	4198	1618	827	878	3292	3556	-548	-504	10573	2590	10573	1981	15144	50.00
24	3234	251	601	4086	1619	838	877	3286	3578	-548	-492	10506	2257	10506	1867	14630	50.05
MUs	80.27	7.57	11.16	99.00	34.29	25.73	21.54	74.23	92.39	-10.33	-8.85	264.15	39.90	264.60	47.86	351.92	50.01

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 13/Aug/2011

Position as on 6.30 Hrs of 14/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.	19/08/2011
Chandrapur Unit 7	500	29/06/2011	21:40		Continued.	COH	16/08/2011
Tata Trombay 8	250	15/07/2011	01:45		Continued.	AOH	14/08/2011
Cent_Sect NTPC(V-7)	500	18/07/2011	00.03	13/08/2011	06.02	Annual overhaul.	
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.	16/08/2011
FORCED OUTAGE							
Uran Unit 5	108	15/07/2011	10.40	13/08/2011	17.05	Turbine Blade Replacement.	
Parli Unit 3	210	02/08/2011	12.43		Continued.	Due to wet coal.	
Khaparkheda Unit 5	500	05/08/2011	09.32		Continued.	H.P.Pump problem	
CPP JSW (J) U1	300	08/08/2011	10.30		Continued.	Bearing Vibration High.	14/08/2011
Cent_Sect NTPC(V-2)	210	09/08/2011	00.18		Continued.	Wet Coal.	14/08/2011
Cent_Sect NTPC(V-5)	210	09/08/2011	17.45		Continued.	Wet coal problem.	
Cent_Sect NTPC(V-8)	500	09/08/2011	22.47		Continued.	Wet Coal.	
CPP WPCL U-1	135	10/08/2011	23.00	13/08/2011	01.38	ID fan vibration problem.	
Cent_Sect NTPC(K-6)	500	12/08/2011	06.26	13/08/2011	22.45	Boiler Tube Leakage.	
Koyna Unit 2	75	13/08/2011	00.10	13/08/2011	18.30	Preventive Maintenance Work.	
Parli Unit 5	210	13/08/2011	01.55	13/08/2011	06.15	Drum Level Low.	
Parli Unit 5	210	13/08/2011	09.15	13/08/2011	14.58	Electrical Jerk	
Dabhol 2A	230	13/08/2011	10.07	13/08/2011	12.02	Station supply problem	
Dabhol 1X	290	13/08/2011	10.07	13/08/2011	16.01	Station supply problem	
Dabhol 1B	230	13/08/2011	10.07	13/08/2011	13.38	Aux.Supply Fail	
CPP WPCL U-3	135	13/08/2011	12.00	14/08/2011	19.26	Withdrawn	
Dabhol 2A	230	13/08/2011	13.13	13/08/2011	16.48	Tripped due to DLN	
Parli Unit 5	210	13/08/2011	16.15		Continued.	Boiler Tube Leakage	16/08/2011
Cent_Sect NTPC(V-3)	210	13/08/2011	21.29		Continued.	Wait Coal	
Parli Unit 7	250	14/08/2011	10.17	14/08/2011	13.05	Furnace Pressure High.	
Khaparkheda Unit 4	210	14/08/2011	19.04		Continued.	Furnace Pressure High.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/Aug/2011

Position as on 6.30 Hrs of 14/Aug/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Bhoisor-Bhoisor(PGCIL)-I	14/08/2011	07.40	14/08/2011	11.48	Attending Hot Spot @ Boiser End
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad- II	26/07/2011	20.52		Continued.	Over voltage.
Akola - Wardha - I	26/07/2011	23.53		Continued.	Over Voltage.
Akola - Wardha - II	31/07/2011	22.03		Continued.	Over Voltage
Dhule-Khandwa I	10/08/2011	23.34		Continued.	Over Voltage.
Kolhapur - Mapusa - I	12/08/2011	22.56		Continued.	Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
Chandrapur-Padaghe Pole - II	08/08/2011	09.17		Continued.	Annual Maintenance Work of All Equipment in AC/DC Yard upto 20.8.11.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Chandrapur - HVDC A/C Bay - II	08/08/2011	17.21		Continued.	Annual Maint.Work, upto 19.08.11.
400/132 KV 200 MVA ICT - II @ Khadka	12/08/2011	10.01	13/08/2011	17.53	Red Hot & Replacement of 132KV Aux.Bus Isolator.Taken on TBC.
400/220 KV 315 MVA ICT @ Bhusawal	14/08/2011	00.32	14/08/2011	01.08	Replacement of Faulty Relay (ICT LV Side on TBC).
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 16.08.2011.
220/132 KV 100 MVA ICT-I @ Chikhli.	30/07/2011	11.45		Continued.	Replacement by 200 MVA ICT.Up to 20.08.2011.
220/132 KV 250 MVA ICT at Ambazari	05/08/2011	10.41		Continued.	ICT is to be replaced by 200 MVA ICT Upto 20.8.11.
Boisor-Versova	14/08/2011	10.22	14/08/2011	14.55	Attending Hot Spot.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bhusawal - Jalgaon - II	13/08/2011	09.28	13/08/2011	16.06	Replacement of Wave Trap
Kawalewada-Gondia-I	13/08/2011	09.35	13/08/2011	12.41	Replacement of Disc Insulator
Kawlewada-Gondia-II	13/08/2011	09.35	13/08/2011	14.08	Replacement of Disc Insulator
Voltage Level : 110KV			Outage Type PLANNED OUTAGE		
Miraj-Kavathemahakal	13/08/2011	09.05	13/08/2011	17.28	Line Maint.work
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Kalwa - Salshet - IV	13/08/2011	07.14	13/08/2011	09.36	DC Leakage
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	12/08/2011	21.28	13/08/2011	07.41	Over Voltage.
Karad - Kolhapur - I	12/08/2011	21.43		Continued.	Over Voltage.
400/220 KV,500MVA ICT-II at Deepnagar.	13/08/2011	10.45	13/08/2011	14.17	MCB Burbt at BCR
Bhusawal- Aurangabad	13/08/2011	16.29	14/08/2011	10.55	Over Voltage
Bhusawal- Aurangabad	14/08/2011	21.06		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 13/Aug/2011

Position as on 6.30 Hrs of 14/Aug/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Chandrapur - Warora	03/07/2011	21.47		Continued.	To Control Wardha-Warora & Wardha-Hinganghat loading.
Babaleshwar - Bhenda	24/07/2011	08.30		Continued.	To Control Babaleshwar ICT Loading.
BBLSR-Waluj	08/08/2011	07.55		Continued.	To control BBLSR ICT Loading.
Padgha - Temghar - II	09/08/2011	10.12		Continued.	To control Padgha ICT load.
Padgha-Temghar I	09/08/2011	10.31		Continued.	To control Padgha ICT load.
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.
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).
Pophali - KDPH	12/08/2011	18.20	13/08/2011	12.29	Distance Protection.
220/100 KV 50 MVA T/F - VI @ Chinhwad	14/08/2011	15.03	14/08/2011	15.23	Tripped on O/C Protection.
220/100KV 100MVA ICT-IV at C'wad	14/08/2011	15.03	14/08/2011	19.18	Tripped on Differential Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 14/Aug/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	105
Unit 6	210	120
Unit 7	210	145
	620	370
Bhusawal		
Unit 2	210	140
Unit 3	210	140
Unit 4	0	
	420	280
Parli		
Unit 3	210	0
Unit 4	210	115
Unit 5	210	0
Unit 6	250	118
Unit 7	250	50
	1130	283
Chandrapur		
Unit 1	210	80
Unit 2	210	80
Unit 3	210	150
Unit 4	210	150
Unit 5	500	330
Unit 6	500	280
Unit 7	500	0
	2340	1070
Paras		
Unit 3	250	80
Unit 4	250	150
	500	230
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	170
Unit 4	210	170
Unit 5	500	
	1340	660
Nasik		
Unit 1	120	0
Unit 2	120	0
Unit 3	210	0
Unit 4	210	140
Unit 5	210	160
	870	300
Uran		
All Units	852	590
	852	590
Dabhol		
RGPP	1940	1550
	1940	1550
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	44
TILLARI	60	60
BHTGR/VEER	21	7
BHIRA T.R.	80	80
RNGR+BHTSA	20	2
BHANDARDRA	45	33
ELDARY	23	
SMLHY PTN	12	
GHATGHAR	250	
	611	262
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	530
WARDHA	405	220
Other CPPs	0	
	1005	750
Tata		
Trombay 4	150	0
Trombay 5	500	490
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1617
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3360
	3455	3360