



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Aug/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Aug/2011 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	69.200	1028.641	1) Madhya Pradesh	40.268	655.084
2) Hydro	9.687	197.898	2) Gujrat	52.447	543.375
3) Gas	14.273	148.241	3) Goa	-5.038	-78.596
Total MSGENCO	93.160	1374.780	4) TAPS 1&2 (Inj.)	7.810	109.335
B) OTHERS			5) Pench (Excess)	0.000	-3.633
1) RGPPL Gas	38.924	525.759	# Total Cent. Sector	95.487	1225.565
2) Wind Generation	21.301	345.277	F) Other Exchanges		
3) CPP	21.711	310.915	1) With TPCL (Excess)	-10.290	-184.931
4) PENCH (MS)	0.000	5.219	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	24.464	289.631
1) TPCL Thermal	19.554	308.789	Include PX	6.042	45.275
2) TPCL Hydro	1.780	76.700	2) MUMBAI Bilateral	10.335	183.315
TOTAL TPCL	21.334	385.489	Include PX	-0.034	5.175
3) REL Thermal	12.627	157.881	3) MUMBAI Schedule	10.335	186.526
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	101.381	1495.311	1) MSEDCL	260.293	3602.584
2) Hydro (A2+B3+C2)	11.467	279.817	2) TPCL	28.861	482.341
3) Gas (A3+B1)	53.197	674.000	3) REL	15.414	245.946
4) Wind (B2)	21.301	345.277	TOTAL STATE	304.568	4330.871
5) CPP (B3)	21.711	310.915			
TOTAL STATE	209.057	3105.320			

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	2732	2905	3018
MSGENCO Hydro	577	1006	172
MSGENCO Gas	598	590	612
MSGENCO Total Generation	3907	4501	3802
Central Sector Receipt	4340	3842	3336
RGPPL	1629	1614	1625
WIND	924	961	887
CPP	919	958	832
Exchange with Mumbai	-514	-519	-316
MSEDCL DEMAND MET	11205	11357	10166
Load Shedding (LS)	0	0	0
MSEDCL DEMAND (INCL. LS)	11205	11357	10166
TPCL GENERATION	963	1074	698
REL GENERATION	526	526	526
TPCL+REL DEMAND	2003	2119	1540
STATE DEMAND MET	13208	13476	11706
Load Management (LM)	1286	2513	979
Total Load Relief (LS+LM)	1286	2513	979
UNRESTRICTED STATE DEMAND	14494	15989	12685
Frequency (Hz)	49.98	49.86	50.23

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.59 Hz at 06.01 Hrs	49.35 Hz at 19.15 Hrs	50.06	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 14/Aug/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.94	41.63	158	86	105
Unit 6	2.98	26.83	155	87	120
Unit 7	3.30	41.79	165	90	145
	9.23	110.25			370
Bhusawal					
Unit 2	2.35	41.62	140	75	140
Unit 3	2.62	30.43	145	60	140
Unit 4	0.00	0.00	0	0	
	4.97	72.04			280
Parli					
Unit 3	0.00	3.78	0	0	0
Unit 4	3.12	35.19	163	109	115
Unit 5	0.00	12.08	0	0	0
Unit 6	3.63	23.60	172	124	118
Unit 7	2.06	38.66	145	0	50
	8.81	113.30			283
Chandrapur					
Unit 1	1.80	40.78	90	65	80
Unit 2	1.66	37.67	85	57	80
Unit 3	2.55	37.10	150	45	150
Unit 4	3.25	49.78	157	106	150
Unit 5	6.58	114.70	340	225	330
Unit 6	5.39	51.34	285	170	280
Unit 7	0.00	0.00	0	0	0
	21.23	331.36			1070
Paras					
Unit 3	2.01	41.40	120	58	80
Unit 4	3.23	40.15	163	110	150
	5.24	81.55			230
Khaparkheda					
Unit 1	3.70	54.56	165	125	160
Unit 2	3.65	53.57	160	142	160
Unit 3	3.70	55.44	165	144	170
Unit 4	2.22	57.73	166	0	170
Unit 5	0.00	2.37	0	0	
	13.27	223.69			660
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	3.14	46.97	150	88	140
Unit 5	3.31	49.48	150	124	160
	6.45	96.45			300
Uran					
All Units	14.27	148.24	613	578	590
	14.27	148.24			590
Dabhol					
RGPPL	38.92	525.76	1642	1609	1550
	38.92	525.76			1550
Koyna					
Stage 1-2	1.22	44.54	180	35	600
Stage 4	0.16	59.03	88	0	250
Stage 3	1.56	31.62	288	0	320
	2.94	135.18			1170
Kovna 12&4 Total	1.38	103.57			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.93	12.39	39	38	36
VTRNA	0.27	1.54	61	0	44
TILLARI	0.76	10.47	60	0	60
BHTGR/VEER	0.17	2.52	7	7	7
BHIRA T.R.	0.45	6.76	82	0	80
RNGR+BHTSA	0.05	0.77	2	2	2
BHANDARDRA	0.82	6.11	34	34	33
ELDARY	0.00	0.00	0	0	
SMLHY PTN	1.26	17.62	60	50	
GHATGHAR	2.04	4.54	250	0	
	6.75	62.72			262
PENCH (MS)					
Pench (MS)	0.00	5.22	0	0	
	0.00	5.22			
Wind					
MalharPeth	1.58	20.30			
Vankuswadi	2.23	32.57			
ATIT	1.00	6.80			
Kale	0.62	10.38			
Satara	2.19	41.00			
Shirala	0.74	11.73			
K Mahankal	0.82	18.09			
Supa	0.26	5.09			
Vita	3.02	49.27			
Dondaicha	4.55	89.68			
Sakri	0.98	15.35			
Nandurbar	0.46	8.93			
Khandke	1.73	20.81			
Khaparale	1.12	15.27			
	21.30	345.28			
CPP					
JSW JAIGAD	13.51	184.94	593	493	530
WARDHA	5.30	83.57	268	202	220
Other CPPs	2.91	42.40			
	21.71	310.92			750
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.96	158.63	490	340	490
Trombay 6	4.13	90.88	225	150	500
Trombay 7A	2.88	38.13	121	118	120
Trombay 7B	1.58	21.15	67	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	1.78	76.70	222	0	447
	21.33	385.49			1617
REL					
1&2	12.63	157.88	527	525	500
	12.63	157.88			500
Cent Sect					
Share					3360
					3360

MS PG CL	Thermal	69.20	1028.64			3193
	Thml+Gas	83.47	1176.88			3783
	Hydro	9.69	197.90			1432
	Total	93.16	1374.78			5215
State Total		209.06	3105.32			12992

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/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	3118	177	607	3902	1619	861	926	3122	3698	-476	-473	10533	1355	10533	1789	13677	50.08
2	3146	172	613	3931	1626	892	828	3090	3468	-400	-444	10301	1282	10301	1668	13251	50.26
3	3037	177	612	3826	1626	890	826	3062	3456	-331	-352	10272	980	10272	1578	12830	50.25
4	3018	172	612	3802	1625	887	832	3052	3336	-320	-316	10166	979	10166	1540	12685	50.23
5	3033	182	600	3815	1629	899	838	3052	3424	-320	-282	10323	977	10323	1548	12848	50.32
6	3049	177	603	3829	1627	921	852	3215	3776	-336	-262	10743	1053	10743	1586	13382	50.23
7	3017	212	590	3819	1627	833	905	3221	3794	-336	-260	10718	1050	10718	1599	13367	50.23
8	3073	302	591	3966	1624	811	911	3235	4109	-352	-295	11126	1050	11126	1653	13829	50.19
9	3020	356	605	3981	1614	902	919	3300	4284	-400	-353	11347	1050	11347	1754	14151	50.05
10	2952	624	598	4174	1621	961	919	3400	4175	-427	-484	11366	1030	11366	1894	14290	50.03
11	2732	577	598	3907	1629	924	919	3452	4340	-466	-514	11205	1286	11205	2003	14494	49.98
12	2658	645	603	3906	1642	952	919	3453	4230	-466	-503	11146	1260	11146	2039	14445	50.03
13	2607	537	599	3743	1624	984	917	3456	4448	-466	-514	11202	1259	11202	2018	14479	50.14
14	2651	451	592	3694	1616	862	928	3498	4376	-427	-481	10995	1259	10995	1943	14197	50.11
15	2795	390	583	3768	1613	1125	913	3496	4187	-427	-430	11176	1264	11176	1925	14365	50.04
16	2737	442	593	3772	1610	956	905	3489	4072	-423	-405	10910	1257	10910	1894	14061	49.97
17	2694	493	580	3767	1610	1036	912	3489	4213	-419	-393	11145	1314	11145	1859	14318	49.97
18	2734	254	584	3572	1633	914	926	3489	3824	-419	-427	10442	1566	10442	1852	13860	49.94
19	2725	314	578	3617	1618	996	924	3498	3747	-415	-411	10491	2300	10491	1918	14709	49.85
20	2808	992	582	4382	1609	932	925	3533	3876	-503	-456	11268	2504	11268	2092	15864	49.69
21	2905	1006	590	4501	1614	961	958	3482	3842	-565	-519	11357	2513	11357	2119	15989	49.86
22	2915	588	595	4098	1617	624	964	3506	4122	-565	-489	10936	2513	10936	2066	15515	49.91
23	2896	281	582	3759	1624	605	960	3402	4220	-565	-547	10621	2513	10621	2008	15142	50.08
24	2880	166	583	3629	1627	573	885	3326	4470	-516	-680	10504	2185	10504	1906	14595	49.98
MUs	69.20	9.69	14.27	93.16	38.92	21.30	21.71	80.32	95.49	-10.34	-10.29	260.29	35.80	260.29	44.25	340.34	50.06

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 14/Aug/2011

Position as on 6.30 Hrs of 15/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
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							
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-3	135	13/08/2011	12.00	14/08/2011	19.26	Withdrawn	
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 14/Aug/2011

Position as on 6.30 Hrs of 15/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.
Karad - Solapur (PGCIL)	14/08/2011	22.34	15/08/2011	05.55	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.
400/220 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 : 400KV			Outage Type HAND TRIPPED		
400/220KV,100 MVA Spare Unit at Korady	04/08/2011	16.28		Continued.	To attend buchholz alarm problem.
Karad - Kolhapur - I	12/08/2011	21.43		Continued.	Over Voltage.
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		
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).

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Aug/2011

Position as on 6.30 Hrs of 15/Aug/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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 Differntial Protection.
Koradi-Ambazari-I	14/08/2011	18.04	15/08/2011	02.03	R Ph. Jumper Broken @ Tower No.1.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/Aug/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	150
Unit 6	210	150
Unit 7	210	150
	620	450
Bhusawal		
Unit 2	210	110
Unit 3	210	110
Unit 4	0	
	420	220
Parli		
Unit 3	210	0
Unit 4	210	120
Unit 5	210	0
Unit 6	250	150
Unit 7	250	130
	1130	400
Chandrapur		
Unit 1	210	80
Unit 2	210	80
Unit 3	210	150
Unit 4	210	150
Unit 5	500	250
Unit 6	500	250
Unit 7	500	0
	2340	960
Paras		
Unit 3	250	100
Unit 4	250	120
	500	220
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	170
Unit 4	210	0
Unit 5	500	
	1340	490
Nasik		
Unit 1	120	
Unit 2	120	
Unit 3	210	0
Unit 4	210	140
Unit 5	210	160
	870	300
Uran		
All Units	852	580
	852	580
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	36

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	7
BHIRA T.R.	80	80
RNGR+BHTSA	20	2
BHANDARDRA	45	34
ELDARY	23	
SMLHY PTN	12	9
GHATGHAR	250	
	611	288
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	380
WARDHA	405	260
Other CPPs	0	
	1005	640
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	2975
	3455	2975