



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

State Load Dispatch Center, Airoli

Daily system Report

for

08/Jul/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 08/Jul/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	93.749	758.407	1) Gujrat	-4.288	-19.490
2) Hydro	5.506	57.503	2) Madhya Pradesh	12.381	105.474
3) Gas	10.930	89.388	3) Chattisgarh	12.680	85.830
Total MSGENCO	110.185	905.298	4) Maharashtra	54.871	388.322
B) OTHERS			5) Goa	-6.024	-47.078
1) JSW JAIGAD	28.364	227.637	6) TAPS 1&2 Injection	7.318	58.851
2) WPCL	7.955	70.198	7) RGPPL Injection	18.939	149.312
3) Other CPP / IPP	4.312	51.850	8) Pench (Excess)	-0.214	-0.630
4) Wind Generation	20.564	150.771	# Total Cent. Sector	95.663	720.591
5) PENCH (MS)	0.214	0.630	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-13.265	-93.673
1) TPCL Thermal	20.433	207.772	G) Bilateral Power *		
2) TPCL Hydro	0.720	28.447	1) MSEDCL Bilateral	24.705	217.502
TOTAL TPCL	21.153	236.219	Include PX	0.000	1.765
3) REL Thermal	12.589	99.693	2) MUMBAI Bilateral	12.557	99.483
D) STATE			Include PX	-0.541	-0.023
1) Thermal (A1+C1+C3)	126.771	1065.872	3) MUMBAI Schedule	12.557	99.483
2) Hydro (A2+B5+C2)	6.440	86.580	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.930	89.388	1) MSEDCL	253.992	2033.302
4) Wind (B4)	20.564	150.771	2) TPCL	31.200	287.953
5) CPP (B1+B2+B3)	40.631	349.685	3) REL	15.805	141.613
TOTAL STATE	205.336	1742.296	TOTAL STATE	300.997	2462.868

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3847	3983	3849
MSGENCO Hydro	523	341	40
MSGENCO Gas	455	448	461
MSGENCO Total Generation	4825	4772	4350
Central Sector Receipt	4661	4213	3665
WIND	1027	821	788
CPP / IPP	1700	1719	1729
Exchange with Mumbai	-690	-567	-393
MSEDCL DEMAND MET	11523	11028	10139
Load Shedding	426	390	138
MSEDCL DEMAND	11949	11418	10277
TPCL GENERATION	890	1112	825
R-INFRA GENERATION	527	526	525
TPCL+R-INFRA DEMAND	2107	2205	1743
STATE DEMAND MET	13630	13233	11882
STATE DEMAND	14056	13623	12020
Frequency (Hz)	49.94	49.64	49.85

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.4 Hz at 18.03 Hrs	49.21 Hz at 20.05 Hrs	49.89	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 08/Jul/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.47	20.72	126	74	115
Unit 6	2.80	22.33	135	70	120
Unit 7	3.10	29.74	147	95	120
Total	8.38	72.78			355
Bhusawal					
Unit 2	2.19	28.12	135	0	120
Unit 3	2.99	24.13	140	105	160
Unit 4	0.00	0.00	0	0	
Unit 5	0.00	0.00	0	0	
Total	5.18	52.25			280
Parli					
Unit 3	3.24	24.61	149	117	137
Unit 4	3.51	24.07	166	117	167
Unit 5	3.60	26.51	169	126	150
Unit 6	0.00	0.00	0	0	0
Unit 7	3.96	12.93	178	150	160
Total	14.32	88.13			614
Chandrapur					
Unit 1	2.53	26.90	139	90	100
Unit 2	3.21	28.79	149	121	140
Unit 3	3.86	32.54	175	138	180
Unit 4	4.24	35.65	196	127	190
Unit 5	8.54	66.04	425	305	400
Unit 6	8.81	75.98	455	285	350
Unit 7	8.58	33.33	389	334	350
Total	39.78	299.24			1710
Paras					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Total	0.00	0.00			0
Khaparkheda					
Unit 1	4.46	36.03	205	145	190
Unit 2	0.00	0.00	0	0	0
Unit 3	4.67	37.92	207	180	190
Unit 4	4.18	37.38	210	146	160
Unit 5	4.47	41.53	212	142	220
Total	17.78	152.86			760
Nasik					
Unit 3	0.00	32.51	0	0	0
Unit 4	4.25	35.77	191	173	210
Unit 5	4.07	24.87	179	152	190
Total	8.32	93.15			400
Uran					
All Units	10.93	89.39	465	439	430
Total	10.93	89.39			430
PENCH (MS)					
Pench (MS)	0.21	0.63	71	0	
Total	0.21	0.63			
Koyna					
Stage 1-2	1.82	18.95	425	40	530
Stage 4	0.14	9.28	136	0	250
Stage 3	0.95	12.11	160	0	240
Kovna 12&4 Total	1.96	28.23			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.92	40.34			1020
Hydro					
KDPH	0.00	0.13	0	0	0
VTRNA	0.89	7.16	61	0	61
TILLARI	0.20	1.65	62	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.29	2.50	82	0	80
RNGR+BHTSA	0.00	0.84	0	0	0
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.06	0.62	8	0	8
GHATGHAR	1.14	4.27	125	0	0
Total	2.59	17.16			209
Wind					
MalharPeth	0.92	8.85			
Vankuswadi	1.97	13.39			
ATIT	0.28	3.43			
Kale	0.53	4.90			
Satara	4.16	19.52			
Shirala	1.05	6.06			
K Mahankal	0.10	13.23			
Supa	0.40	2.06			
Vita	3.20	27.63			
Dondaicha	4.41	31.48			
Sakri	0.97	4.12			
Nandurbar	0.27	3.40			
Khandke	1.57	8.49			
Khaparale	0.72	4.20			
Total	20.56	150.77			
CPP					
JSW JAIGAD	28.36	227.64	1222	1107	1100
WARDHA	7.96	70.20	339	325	330
Other CPPs	4.31	51.85			
Total	40.63	349.68			1430
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	7.30	86.09	380	283	500
Trombay 6	3.78	44.55	179	155	500
Trombay 7A	2.78	22.30	123	83	120
Trombay 7B	1.56	12.50	68	57	60
Trombay 8	5.02	42.33	251	191	250
TATA Hydro	0.72	28.45	163	0	447
Total	21.15	236.22			1877
REL					
1&2	12.59	99.69	527	505	500
Total	12.59	99.69			500
Cent Sect					
Share					4308
Total					4308

MS PG CL	Thermal	93.75	758.41			4119
	Thml+Gas	104.68	847.80			4549
	Hydro	5.51	57.50			1229
	Total	110.18	905.30			5778
State Total		205.34	1742.30			13893

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 08/Jul/2012

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	3725	264	453	4442	844	1616	4210	3830	-502	-565	10167	169	10336	2037	12373	49.82
2	3771	40	459	4270	846	1711	4290	3798	-469	-526	10099	122	10221	1871	12092	49.83
3	3849	40	461	4350	788	1729	4205	3665	-436	-393	10139	138	10277	1743	12020	49.85
4	3947	40	458	4445	843	1726	4192	3523	-419	-333	10204	151	10355	1685	12040	50.04
5	3919	50	462	4431	844	1736	4195	3580	-406	-307	10284	157	10441	1661	12102	50.02
6	3894	60	464	4418	783	1740	4129	3942	-398	-349	10534	258	10792	1696	12488	49.84
7	3933	65	459	4457	664	1740	4198	3820	-419	-359	10322	571	10893	1706	12599	49.86
8	4058	236	456	4750	701	1706	4250	3796	-486	-395	10558	557	11115	1743	12858	50.01
9	4002	154	462	4618	866	1716	4253	3892	-517	-493	10599	536	11135	1844	12979	49.87
10	3949	436	463	4848	859	1696	4194	4163	-567	-595	10971	424	11395	1958	13353	50.02
11	3903	541	460	4904	856	1716	4248	4259	-568	-671	11064	388	11452	2070	13522	50.11
12	3847	523	455	4825	1027	1700	4243	4661	-562	-690	11523	426	11949	2107	14056	49.94
13	3846	366	459	4671	1111	1625	4288	3898	-575	-741	10564	503	11067	2107	13174	49.88
14	3767	327	439	4533	964	1640	4294	3991	-577	-712	10416	426	10842	2077	12919	49.94
15	3816	226	446	4488	847	1646	4277	4240	-577	-672	10549	353	10902	2031	12933	49.93
16	3795	186	465	4446	906	1626	4255	4211	-573	-635	10554	275	10829	1984	12813	49.87
17	3862	100	465	4427	967	1638	4252	4028	-570	-637	10423	214	10637	1969	12606	50.09
18	3896	117	459	4472	1077	1623	4243	3649	-565	-670	10151	231	10382	1971	12353	50.07
19	3976	112	447	4535	984	1713	4262	3949	-558	-600	10581	223	10804	1986	12790	49.95
20	3990	231	446	4667	860	1724	4257	4223	-556	-520	10954	377	11331	2093	13424	49.69
21	3983	341	448	4772	821	1719	4284	4213	-571	-567	11028	390	11418	2205	13623	49.64
22	4000	153	456	4609	754	1731	4308	4194	-576	-600	10759	387	11146	2215	13361	49.71
23	4013	473	444	4930	638	1715	4319	4169	-574	-640	10883	186	11069	2161	13230	49.61
24	4008	425	444	4877	714	1699	4211	3969	-538	-595	10666	143	10809	2087	12896	49.66
MUs	93.75	5.51	10.93	110.18	20.56	40.63	101.86	95.66	-12.56	-13.26	253.99	7.60	261.60	47.01	308.60	49.89

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 08/Jul/2012

Position as on 6.30 Hrs of 09/Jul/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Khaparkheda Unit 2	210	01/06/2012	05.45		Continued.	Annual overhaul.	15/07/2012
Hydro GHATGHAR	250	05/07/2012	15.30		Continued.	For AOH.	
FORCED OUTAGE							
Bhusawal Unit 5	500	30/03/2012	04.34		Continued.	Hand Tripped	
Bhusawal Unit 4	500	06/06/2012	06.27		Continued.	Vibration Problem	
Paras Unit 3	250	13/06/2012	17.05		Continued.	Structure collapse near ESP.	
Koyna Unit 11	80	18/06/2012	08.00		Continued.	Stator E/F.	
Koyna ST-IV 2	250	20/06/2012	11.00		Continued.	Attending Spherical Valve Servomotor Oil Leakage.	
Parli Unit 6	250	23/06/2012	15.03		Continued.	Bunkering problem.	
Cent_Sect NTPC(V-8)	500	23/06/2012	23.38		Continued.	Boiler tube leakage.	
Dabhol 3B	230	25/06/2012	09.41		Continued.	Gas Shortage	
Koyna Unit 4	75	28/06/2012	07.10		Continued.	All Injectors Insitu Meter Filling Work.	
Dabhol 2B	230	28/06/2012	14.44		Continued.	Gas Shortage.	
Paras Unit 4	250	30/06/2012	07.03		Continued.	Main oil tank leakage.	
CPP WPCL U-3	135	05/07/2012	10.20		Continued.	I.D. FanVibration High.	
Dabhol 1B	230	06/07/2012	10.27		Continued.	Gas Shortage.	
Nasik Unit 3	210	07/07/2012	13.35		Continued.	E-Valve 31,heavy leakage.	
Uran Unit 8	108	07/07/2012	14.28		Continued.	Due to gas shortage.	
Bhusawal Unit 2	210	07/07/2012	22.34	08/07/2012	02.26	Flame failure.	
Koyna Unit 9	80	08/07/2012	08.00	08/07/2012	11.00	R.M.Work	
Khaparkheda Unit 5	500	08/07/2012	23.48		Continued.	Flame Failure.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 08/Jul/2012

Position as on 6.30 Hrs of 09/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
765KV Seoni - Wardha - II	13/06/2012	16.09		Continued.	Over Voltage
Kolhapur-Solapur(PGCIL)-I	01/07/2012	00.37		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	04/07/2012	09.47		Continued.	PGCIL Work
Dhule-Sar'Sarovar - I	04/07/2012	22.47		Continued.	Over Voltage
Parly(PG)- Solapur(PG) - I	05/07/2012	18.17		Continued.	Over Voltage
Kolhapur - Mapusa - I	07/07/2012	23.28	08/07/2012	10.36	Over Voltage.
Akola - Wardha - I	08/07/2012	04.34	08/07/2012	10.22	Over Voltage.
Kolhapur - Mapusa - I	08/07/2012	17.43		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule - S'Sarovar- II	03/07/2012	22.31		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Maintenance work.
400/220 KV315 MVA ICT-I @ BBLR	06/07/2012	09.49		Continued.	Dismantling of Y-Ph unit and re-erection of Y-Ph unit for overhauling.
Bableswhar-Aurangabad	06/07/2012	13.10		Continued.	Repl.of operating mechanism of isolator.(Ready for charging 18.40 hrs)
Karad-Jaigad II	08/07/2012	15.32	08/07/2012	19.27	Dist.Prot.Z-I.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
Trombay(T)-Trombay(M)Tie-II	07/07/2012	08.25		Continued.	Relay commissioning and protection upgradation.
Boiser PGCIL-Boiser II	08/07/2012	08.20	08/07/2012	11.15	Hot Spot Work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220KV 315MVA ICT-III at Karad.	06/07/2012	00.30		Continued.	On TBC due to breaker air leakage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV 167 MVA Spare ICT at Khaparkheda	20/06/2012	10.17		Continued.	Low Oil Pressure Alarm Received.
Bhusawal- Aurangabad	27/06/2012	17.04		Continued.	Over Voltage,Outage Aailed @ 09.15 Hrs for Replacing Broken Line Spacer & Fixing Repair Siecre for Broken Conductor (Ready for Charging from 10.42 Hrs).
Aurangabad-Deepnagar-II	03/07/2012	15.29		Continued.	Over Voltage
Karad - Kolhapur - II	07/07/2012	16.42	08/07/2012	10.25	Over Voltage.
Karad - Kolhapur - II	08/07/2012	16.10		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV,500MVA ICT-II at Khaparkheda.	26/06/2012	20.43		Continued.	R Phase LV side CT Burst
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
Karad - Kiniwathar	09/07/2012	03.30	09/07/2012	03.45	Dist.Prot.R-Ph.
Voltage Level : 132KV			Outage Type TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 08/Jul/2012

Position as on 6.30 Hrs of 09/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
JALNA-KANHAIYYA NAGAR CKT	09/07/2012	00.31	09/07/2012	01.25	Due to tripping Kanhaiyanagar-Partur Ckt.
Partur - Kanhaiya nagar	09/07/2012	00.31		Continued.	Dist.Prot,R & Y Ph E/F. under B/Dn.
Jalna - Jalna MIDC	09/07/2012	00.31	09/07/2012	01.20	Due to tripping Kanhaiyanagar-Partur Ckt.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 09/Jul/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	115
Unit 6	210	100
Unit 7	210	145
	620	360
Bhusawal		
Unit 2	210	120
Unit 3	210	120
Unit 4	500	0
Unit 5	500	0
	1420	240
Parli		
Unit 3	210	145
Unit 4	210	150
Unit 5	210	145
Unit 6	250	0
Unit 7	250	170
	1130	610
Chandrapur		
Unit 1	210	130
Unit 2	210	130
Unit 3	210	150
Unit 4	210	190
Unit 5	500	375
Unit 6	500	425
Unit 7	500	400
	2340	1800
Paras		
Unit 3	250	0
Unit 4	250	0
	500	0
Khaparkheda		
Unit 1	210	210
Unit 2	210	0
Unit 3	210	210
Unit 4	210	210
Unit 5	500	0
	1340	630
Nasik		
Unit 3	210	0
Unit 4	210	210
Unit 5	210	190
	630	400
Uran		
All Units	852	440
	852	440
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
Hydro		
KDPH	40	0
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	208
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	1100
WARDHA	405	371
Other CPPs	0	
	1005	1471
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4329
	3455	4329

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