



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

State Load Dispatch Center, Airoli

Daily system Report

for

09/Jul/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 09/Jul/2012 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	89.725	848.132	1) Gujrat	-2.567	-22.057
2) Hydro	8.588	66.091	2) Madhya Pradesh	15.400	120.874
3) Gas	10.957	100.345	3) Chattisgarh	13.450	99.280
Total MSGENCO	109.270	1014.568	4) Maharashtra	56.665	444.987
B) OTHERS			5) Goa	-6.164	-53.242
1) JSW JAIGAD	28.034	255.671	6) TAPS 1&2 Injection	7.286	66.137
2) WPCL	8.128	78.326	7) RGPPL Injection	19.279	168.591
3) Other CPP / IPP	3.513	55.363	8) Pench (Excess)	-0.069	-0.699
4) Wind Generation	19.073	169.844	# Total Cent. Sector	103.280	823.871
5) PENCH (MS)	0.069	0.699	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-13.747	-107.420
1) TPCL Thermal	25.837	233.609	G) Bilateral Power *		
2) TPCL Hydro	4.591	33.038	1) MSEDCL Bilateral	25.408	242.910
TOTAL TPCL	30.428	266.647	Include PX	0.000	1.765
3) REL Thermal	11.911	111.604	2) MUMBAI Bilateral	12.036	111.519
D) STATE			Include PX	0.287	0.265
1) Thermal (A1+C1+C3)	127.473	1193.345	3) MUMBAI Schedule	12.036	111.519
2) Hydro (A2+B5+C2)	13.248	99.828	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.957	100.345	1) MSEDCL	257.620	2290.922
4) Wind (B4)	19.073	169.844	2) TPCL	37.773	325.726
5) CPP (B1+B2+B3)	39.675	389.360	3) REL	18.311	159.924
TOTAL STATE	210.426	1952.722	TOTAL STATE	313.704	2776.572

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3542	3984	3806
MSGENCO Hydro	1267	313	73
MSGENCO Gas	442	470	465
MSGENCO Total Generation	5251	4767	4344
Central Sector Receipt	4484	4574	4091
WIND	832	972	545
CPP / IPP	1682	1725	1502
Exchange with Mumbai	-776	-497	-418
MSEDCL DEMAND MET	11473	11541	10064
Load Shedding	544	629	205
MSEDCL DEMAND	12017	12170	10269
TPCL GENERATION	1584	1575	825
R-INFRA GENERATION	523	526	385
TPCL+R-INFRA DEMAND	2883	2598	1628
STATE DEMAND MET	14356	14139	11692
STATE DEMAND	14900	14768	11897
Frequency (Hz)	49.75	49.68	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.21 Hz at 13:04 Hrs	49.12 Hz at 20:05 Hrs	49.78	.58 % 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 09/Jul/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.56	23.28	128	90	115
Unit 6	2.54	24.87	142	86	100
Unit 7	3.44	33.18	160	120	145
Total	8.55	81.34			360
Bhusawal					
Unit 2	2.48	30.60	135	75	120
Unit 3	3.16	27.28	145	85	120
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Total	5.64	57.88			240
Parli					
Unit 3	3.12	27.73	152	86	145
Unit 4	2.84	26.91	158	0	150
Unit 5	3.47	29.98	160	123	145
Unit 6	0.00	0.00	0	0	0
Unit 7	4.39	17.32	201	162	170
Total	13.82	101.94			610
Chandrapur					
Unit 1	2.99	29.88	141	90	130
Unit 2	2.77	31.56	135	90	130
Unit 3	3.96	36.51	183	132	150
Unit 4	4.59	40.24	201	157	190
Unit 5	8.85	74.90	415	315	375
Unit 6	9.25	85.24	462	330	425
Unit 7	7.70	41.03	403	253	400
Total	40.10	339.34			1800
Paras					
Unit 3	0.00	0.00	0	0	0
Unit 4	1.27	1.27	225	0	0
Total	1.27	1.27			0
Khaparkheda					
Unit 1	3.49	39.52	165	105	210
Unit 2	0.00	0.00	0	0	0
Unit 3	4.15	42.07	195	158	210
Unit 4	4.30	41.67	203	167	210
Unit 5	0.00	41.53	0	0	0
Total	11.94	164.80			630
Nasik					
Unit 3	0.00	32.51	0	0	0
Unit 4	4.27	40.04	196	164	210
Unit 5	4.14	29.02	187	160	190
Total	8.41	101.56			400
Uran					
All Units	10.96	100.34	474	433	440
Total	10.96	100.34			440
PENCH (MS)					
Pench (MS)	0.07	0.70	24	0	0
Total	0.07	0.70			0
Koyna					
Stage 1-2	3.54	22.49	410	40	530
Stage 4	1.74	11.02	468	0	250
Stage 3	1.33	13.44	240	0	240
Kovna 12&4 Total	5.28	33.52			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	6.61	46.95			1020
Hydro					
KDPH	0.00	0.13	0	0	0
VTRNA	0.89	8.05	61	0	60
TILLARI	0.06	1.71	31	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.30	2.79	81	0	80
RNGR+BHTSA	0.00	0.84	0	0	0
BHANDARDRA	0.67	0.67	28	28	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.06	0.68	9	0	8
GHATGHAR	0.00	4.27	0	0	0
Total	1.98	19.14			208
Wind					
MalharPeth	0.81	9.65			
Vankuswadi	1.34	14.73			
ATIT	0.18	3.61			
Kale	0.47	5.37			
Satara	3.40	22.92			
Shirala	0.40	6.46			
K Mahankal	0.08	13.31			
Supa	0.23	2.28			
Vita	2.29	29.92			
Dondaicha	6.34	37.82			
Sakri	0.99	5.11			
Nandurbar	0.63	4.04			
Khandke	1.15	9.64			
Khaparale	0.76	4.96			
Total	19.07	169.84			
CPP					
JSW JAIGAD	28.03	255.67	1209	1026	1100
WARDHA	8.13	78.33	371	327	371
Other CPPs	3.51	55.36			
Total	39.68	389.36			1471
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.78	95.87	498	285	500
Trombay 6	6.43	50.98	504	156	500
Trombay 7A	2.61	24.91	124	69	120
Trombay 7B	1.51	14.01	68	51	60
Trombay 8	5.51	47.84	249	190	250
TATA Hydro	4.59	33.04	446	0	447
Total	30.43	266.65			1877
REL					
1&2	11.91	111.60	527	384	500
Total	11.91	111.60			500
Cent Sect					
Share					4329
Total					4329

MS PG CL	Thermal	89.72	848.13			4040
	Thml+Gas	100.68	948.48			4480
	Hydro	8.59	66.09			1228
	Total	109.27	1014.57			5708
State Total		210.43	1952.72			13885

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 09/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	3916	148	463	4527	636	1588	4341	4199	-473	-544	10406	154	10560	1966	12526	49.94
2	3847	148	464	4459	591	1506	4212	4053	-439	-575	10034	189	10223	1786	12009	49.88
3	3863	163	463	4489	603	1500	4057	4021	-414	-482	10131	192	10323	1687	12010	49.79
4	3806	73	465	4344	545	1502	3999	4091	-370	-418	10064	205	10269	1628	11897	49.96
5	3765	73	462	4300	596	1507	3998	4126	-366	-400	10129	217	10346	1606	11952	49.99
6	3672	226	461	4359	456	1587	4053	4312	-371	-460	10254	315	10569	1698	12267	49.72
7	3596	455	460	4511	558	1671	4122	4161	-367	-490	10411	761	11172	1830	13002	49.80
8	3642	420	457	4519	641	1672	4200	4459	-450	-611	10680	803	11483	1985	13468	49.78
9	3553	323	447	4323	863	1670	4263	4411	-492	-654	10613	867	11480	2292	13772	49.83
10	3546	632	441	4619	760	1678	4262	4768	-492	-762	11063	612	11675	2655	14330	49.71
11	3542	1267	442	5251	832	1682	4296	4484	-514	-776	11473	544	12017	2883	14900	49.75
12	3658	873	443	4974	798	1679	4347	4565	-549	-647	11369	600	11969	2926	14895	49.83
13	3666	407	442	4515	793	1682	4342	4581	-538	-583	10988	680	11668	2913	14581	49.81
14	3700	155	433	4288	832	1689	4309	4401	-513	-515	10695	600	11295	2807	14102	49.76
15	3705	139	441	4285	1174	1686	4306	4428	-509	-547	11026	520	11546	2789	14335	49.74
16	3712	129	445	4286	905	1687	4300	4516	-507	-628	10766	555	11321	2762	14083	49.87
17	3683	233	446	4362	1095	1688	4266	4222	-492	-734	10633	629	11262	2699	13961	49.78
18	3783	142	465	4390	1023	1684	4108	3991	-517	-761	10327	644	10971	2653	13624	49.86
19	3913	202	468	4583	1006	1701	4088	4064	-529	-637	10717	484	11201	2577	13778	49.79
20	3984	313	470	4767	972	1725	4218	4574	-568	-497	11541	629	12170	2598	14768	49.68
21	3881	453	468	4802	934	1729	4349	4409	-605	-489	11395	606	12001	2519	14520	49.59
22	3873	385	474	4732	792	1719	4344	4169	-640	-512	10924	528	11452	2403	13855	49.68
23	3771	704	471	4946	800	1715	4370	4241	-660	-515	11211	206	11417	2277	13694	49.62
24	3648	525	466	4639	868	1728	4305	4034	-660	-510	10770	145	10915	2147	13062	49.67
MUs	89.72	8.59	10.96	109.27	19.07	39.68	101.46	103.28	-12.04	-13.75	257.62	11.68	269.30	56.09	325.39	49.78

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 09/Jul/2012

Position as on 6.30 Hrs of 10/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	10/07/2012	02.03	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	09/07/2012	15.05	Main oil tank leakage.	
CPP WPCL U-3	135	05/07/2012	10.20	09/07/2012	16.56	I.D. Fan Vibration 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.	
Khaparkheda Unit 5	500	08/07/2012	23.48		Continued.	Flame Failure.	
Parli Unit 4	210	09/07/2012	20.30	10/07/2012	01.20	Furnace pressure low.	
Bhusawal Unit 3	210	09/07/2012	23.42		Continued.	Boiler problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 09/Jul/2012

Position as on 6.30 Hrs of 10/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	08/07/2012	17.43	09/07/2012	10.50	Over Voltage.
Kolhapur - Mapusa - II	09/07/2012	16.21		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule - S'Sarovar- II	03/07/2012	22.31	09/07/2012	09.17	Over Voltage
Parli-Parli (PGCIL) I	09/07/2012	16:02	09/07/2012	19:30	Bus Bar Protection on Bus II.
Parli-Parli (PGCIL)-II	09/07/2012	16:02		Continued.	Distance Protection. Ready for charging. H.T. for O/V.
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	09/07/2012	09.55	Repl.of operating mechanism of isolator.(Ready for charging 18.40 hrs)
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.
220/110KV 200MVA ICT-II at Mudshingi	09/07/2012	09.12		Continued.	Bus section II and III outage.
Mudshingi - Karad - IV	09/07/2012	09.13	09/07/2012	17.00	Shifted on TBC at Mudsingi.
Bus section-II and III at Mudsingi	09/07/2012	09.30	09/07/2012	16.40	Replacement of isolator.
Apta-Nagothane	09/07/2012	10.21	09/07/2012	16.38	Charged on TBC dismantaling of line isolator.
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	08/07/2012	16.10	09/07/2012	09.18	Over Voltage.
Karad - Kolhapur - II	09/07/2012	16.21		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Mudshingi-Talandage-II	09/07/2012	09.20	09/07/2012	16.45	Bus section II and III outage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 09/Jul/2012

Position as on 6.30 Hrs of 10/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Mudsingi-Karad-I	09/07/2012	09.20	09/07/2012	16.48	Bus section II and III outage.
Mudshingi-Wathar	09/07/2012	09.30		Continued.	Bus section II and III outage.
Padgha-Temghar I	09/07/2012	10.09	09/07/2012	21.52	For Padgha ICT loading.
Bale-Osmanbad	09/07/2012	12.30		Continued.	To control Parli ICT loading.
Mudshingi - Talandage - I	09/07/2012	12.45	09/07/2012	16.55	Bus section II and III outage.
Padgha - Temghar - II	09/07/2012	16.33		Continued.	For Padgha ICT loading.
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
Lonikand - Parli - II	09/07/2012	16.02	09/07/2012	17.52	Bus bar protection operated bus-II.
Bus Coupler @ Parli	09/07/2012	16.02	09/07/2012	19.45	Bus bar protection operated at Parli.
Main Bus-II at Parli	09/07/2012	16.02	09/07/2012	19.30	Bus bar protection operated bus-II.
C'pur-Parli II	09/07/2012	16.07	09/07/2012	21.04	Bus bar protection operated bus-II.
400/220 KV,500MVA ICT - III at Parly	09/07/2012	16:02	09/07/2012	20:53	Bus Bar Protection on Bus II.
400/220 KV 315 MVA ICT - II @ Parli	09/07/2012	16:02		Continued.	Bus Bar Protection on Bus II.
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		
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	09/07/2012	18.45	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.
Pathardi-Raimoha	09/07/2012	14.26		Continued.	Backup protection operated.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 10/Jul/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	90
Unit 6	210	125
Unit 7	210	160
	620	375
Bhusawal		
Unit 2	210	120
Unit 3	210	0
Unit 4	500	
Unit 5	500	
	1420	120
Parli		
Unit 3	210	100
Unit 4	210	135
Unit 5	210	160
Unit 6	250	0
Unit 7	250	165
	1130	560
Chandrapur		
Unit 1	210	150
Unit 2	210	145
Unit 3	210	170
Unit 4	210	200
Unit 5	500	450
Unit 6	500	350
Unit 7	500	300
	2340	1765
Paras		
Unit 3	250	0
Unit 4	250	200
	500	200
Khaparkheda		
Unit 1	210	165
Unit 2	210	0
Unit 3	210	160
Unit 4	210	195
Unit 5	500	0
	1340	520
Nasik		
Unit 3	210	0
Unit 4	210	210
Unit 5	210	190
	630	400
Uran		
All Units	852	450
	852	450
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	31
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	28
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	207
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	440
Other CPPs	0	
	1005	1540
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	4300
	3455	4300

	18400	7 of 7 13834
--	--------------	---------------------