



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

State Load Dispatch Center, Airoli

Daily system Report

for

10/Jul/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 10/Jul/2012 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	95.618	943.750	1) Gujrat	-1.438	-23.495
2) Hydro	6.759	72.850	2) Madhya Pradesh	15.354	136.228
3) Gas	10.584	110.929	3) Chattisgarh	12.340	111.620
Total MSGENCO	112.961	1127.529	4) Maharashtra	54.424	499.411
B) OTHERS			5) Goa	-6.074	-59.316
1) JSW JAIGAD	28.339	284.010	6) TAPS 1&2 Injection	7.280	73.417
2) WPCL	9.322	87.648	7) RGPPL Injection	20.127	188.718
3) Other CPP / IPP	5.622	60.985	8) Pench (Excess)	-0.076	-0.775
4) Wind Generation	16.294	186.138	# Total Cent. Sector	101.937	925.808
5) PENCH (MS)	0.076	0.775	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.641	-119.061
1) TPCL Thermal	28.551	262.160	G) Bilateral Power *		
2) TPCL Hydro	4.242	37.280	1) MSEDCL Bilateral	23.299	266.209
TOTAL TPCL	32.793	299.440	Include PX	0.000	1.765
3) REL Thermal	12.257	123.861	2) MUMBAI Bilateral	14.186	125.705
D) STATE			Include PX	1.122	1.386
1) Thermal (A1+C1+C3)	136.426	1329.771	3) MUMBAI Schedule	14.186	125.705
2) Hydro (A2+B5+C2)	11.077	110.905	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.584	110.929	1) MSEDCL	262.910	2553.832
4) Wind (B4)	16.294	186.138	2) TPCL	38.171	363.897
5) CPP (B1+B2+B3)	43.283	432.643	3) REL	18.517	178.441
TOTAL STATE	217.664	2170.386	TOTAL STATE	319.598	3096.170

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3840	4320	3852
MSGENCO Hydro	721	746	46
MSGENCO Gas	450	443	479
MSGENCO Total Generation	5011	5509	4377
Central Sector Receipt	4612	4419	3607
WIND	603	580	939
CPP / IPP	1806	1820	1691
Exchange with Mumbai	-565	-518	-398
MSEDCL DEMAND MET	11467	11834	10216
Load Shedding	592	426	178
MSEDCL DEMAND	12059	12260	10394
TPCL GENERATION	1827	1519	824
R-INFRA GENERATION	526	525	392
TPCL+R-INFRA DEMAND	2918	2562	1614
STATE DEMAND MET	14385	14396	11830
STATE DEMAND	14977	14822	12008
Frequency (Hz)	49.80	49.66	49.93

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.24 Hz at 18:02 Hrs	49.31 Hz at 19:41 Hrs	49.8	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 10/Jul/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.63	25.91	135	86	90
Unit 6	2.81	27.68	143	90	125
Unit 7	3.69	36.86	170	130	160
Total	9.12	90.46			375
Bhusawal					
Unit 2	3.24	33.84	150	105	120
Unit 3	0.00	27.28	0	0	0
Unit 4	1.46	1.46	134	0	0
Unit 5	0.00	0.00	0	0	0
Total	4.70	62.59			120
Parli					
Unit 3	2.90	30.63	152	80	100
Unit 4	3.19	30.10	158	0	135
Unit 5	3.54	33.52	166	132	160
Unit 6	0.00	0.00	0	0	0
Unit 7	4.27	21.59	203	145	165
Total	13.90	115.84			560
Chandrapur					
Unit 1	3.48	33.36	151	140	150
Unit 2	3.50	35.06	156	138	145
Unit 3	4.09	40.59	189	149	170
Unit 4	4.68	44.92	204	177	200
Unit 5	9.16	84.06	425	315	450
Unit 6	8.62	93.86	415	300	350
Unit 7	8.27	49.30	413	265	300
Total	41.81	381.15			1765
Paras					
Unit 3	0.00	0.00	0	0	0
Unit 4	5.16	6.43	250	161	200
Total	5.16	6.43			200
Khaparkheda					
Unit 1	4.00	43.52	205	100	165
Unit 2	0.00	0.00	0	0	0
Unit 3	4.24	46.31	194	159	160
Unit 4	4.94	46.62	215	186	195
Unit 5	0.00	41.53	0	0	0
Total	13.18	177.98			520
Nasik					
Unit 3	0.00	32.51	0	0	0
Unit 4	3.65	43.69	187	123	210
Unit 5	4.09	33.11	192	152	190
Total	7.74	109.30			400
Uran					
All Units	10.58	110.93	482	284	450
Total	10.58	110.93			450
PENCH (MS)					
Pench (MS)	0.08	0.78	24	0	0
Total	0.08	0.78			0
Koyna					
Stage 1-2	2.61	25.10	355	40	530
Stage 4	1.50	12.53	265	0	250
Stage 3	1.13	14.56	160	0	240
Kovna 12&4 Total	4.11	37.63			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.24	52.19			1020
Hydro					
KDPH	0.00	0.13	0	0	0
VTRNA	0.99	9.04	61	0	60
TILLARI	0.08	1.79	55	0	31
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.36	3.15	81	0	80
RNGR+BHTSA	0.00	0.84	0	0	0
BHANDARDRA	0.00	0.67	0	0	28
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.08	0.77	9	1	8
GHATGHAR	0.00	4.27	0	0	0
Total	1.52	20.66			207
Wind					
MalharPeth	0.50	10.15			
Vankuswadi	1.03	15.76			
ATIT	0.12	3.73			
Kale	0.25	5.63			
Satara	2.85	25.77			
Shirala	0.16	6.63			
K Mahankal	0.08	13.39			
Supa	0.27	2.56			
Vita	2.21	32.13			
Dondaicha	5.85	43.67			
Sakri	0.86	5.97			
Nandurbar	0.52	4.56			
Khandke	1.00	10.64			
Khaparale	0.60	5.56			
Total	16.29	186.14			
CPP					
JSW JAIGAD	28.34	284.01	1209	1098	1100
WARDHA	9.32	87.65	440	372	440
Other CPPs	5.62	60.98			
Total	43.28	432.64			1540
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.28	106.15	498	281	500
Trombay 6	8.05	59.03	504	156	500
Trombay 7A	2.93	27.84	125	120	120
Trombay 7B	1.61	15.62	68	67	60
Trombay 8	5.68	53.52	251	191	250
TATA Hydro	4.24	37.28	389	0	447
Total	32.79	299.44			1877
REL					
1&2	12.26	123.86	527	385	500
Total	12.26	123.86			500
Cent Sect					
Share					4300
Total					4300

MS PG CL	Thermal	95.62	943.75			3940
	Thml+Gas	106.20	1054.68			4390
	Hydro	6.76	72.85			1227
	Total	112.96	1127.53			5617
State Total		217.66	2170.39			13834

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 10/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	3637	112	480	4229	923	1796	4110	3946	-524	-405	10489	163	10652	1921	12573	49.69
2	3730	46	478	4254	943	1751	4152	3816	-507	-405	10359	171	10530	1754	12284	49.80
3	3858	41	482	4381	978	1712	4172	3644	-507	-384	10331	166	10497	1668	12165	49.79
4	3852	46	479	4377	939	1691	4169	3607	-507	-398	10216	178	10394	1614	12008	49.93
5	3871	41	478	4390	883	1707	4200	3727	-507	-375	10332	122	10454	1585	12039	50.01
6	3786	41	468	4295	728	1782	4201	4128	-507	-328	10605	194	10799	1680	12479	49.91
7	3939	81	466	4486	563	1805	4198	4098	-507	-416	10536	627	11163	1812	12975	49.83
8	4022	54	465	4541	556	1805	4254	4293	-560	-444	10751	702	11453	1959	13412	49.97
9	4043	105	465	4613	741	1810	4260	4231	-560	-456	10939	787	11726	2251	13977	49.88
10	4032	210	461	4703	630	1807	4265	4560	-560	-445	11255	575	11830	2607	14437	49.82
11	3963	418	457	4838	574	1807	4323	4785	-603	-544	11460	557	12017	2867	14884	49.78
12	3840	721	450	5011	603	1806	4428	4612	-704	-565	11467	592	12059	2918	14977	49.80
13	3745	522	443	4710	400	1818	4408	4585	-673	-562	10951	651	11602	2914	14516	49.80
14	3767	365	437	4569	445	1813	4428	4416	-629	-504	10739	557	11296	2846	14142	49.78
15	3807	357	436	4600	565	1815	4658	4627	-648	-542	11065	470	11535	2872	14407	49.60
16	4022	213	452	4687	553	1824	4651	4588	-624	-574	11078	491	11569	2894	14463	49.81
17	4100	107	445	4652	796	1830	4602	4157	-624	-540	10895	394	11289	2851	14140	49.89
18	4095	105	452	4652	810	1839	4328	4178	-560	-562	10917	152	11069	2770	13839	49.91
19	4254	126	446	4826	781	1839	4319	4045	-560	-495	10996	213	11209	2664	13873	49.84
20	4336	531	445	5312	612	1821	4292	4227	-581	-493	11486	442	11928	2673	14601	49.62
21	4320	746	443	5509	580	1820	4353	4419	-657	-518	11834	426	12260	2562	14822	49.66
22	4296	490	383	5169	585	1819	4385	4462	-694	-558	11501	411	11912	2443	14355	49.78
23	4153	671	284	5108	546	1884	4410	4452	-713	-596	11415	190	11605	2347	13952	49.64
24	4150	610	289	5049	560	1882	4338	4334	-675	-532	11293	141	11434	2219	13653	49.65
MUs	95.62	6.76	10.58	112.96	16.29	43.28	103.90	101.94	-14.19	-11.64	262.91	9.37	272.28	56.69	328.97	49.80

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 10/Jul/2012

Position as on 6.30 Hrs of 11/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.	
Parli Unit 6	250	23/06/2012	15.03	11/07/2012	02.18	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	10/07/2012	11.30	Gas Shortage.	
Dabhol 1B	230	06/07/2012	10.27		Continued.	Gas Shortage.	
Nasik Unit 3	210	07/07/2012	13.35	11/07/2012	05.15	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.	
Bhusawal Unit 4	500	10/07/2012	11.57	10/07/2012	15.56	Boiler Trip	
Dabhol 2A	230	10/07/2012	17.28		Continued.	Gas Shortage	
Uran Unit 5	108	10/07/2012	21.35		Continued.	Gas Shortage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Jul/2012

Position as on 6.30 Hrs of 11/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised 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
Kolhapur - Mapusa - II	09/07/2012	16.21	10/07/2012	16.38	Over Voltage.
Kolhapur - Mapusa - I	10/07/2012	16.38		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
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(Kept on Humming at
400/220KV,315MVA ICT-III @KARAD	10/07/2012	10.50	10/07/2012	15.12	Q.M.Work
Nagothane-Dabhol-I	10/07/2012	11.51	10/07/2012	18.54	Providing repair Sleeve to 400KV B Bus damage conductor strands
B Bus section @ Nagothane	10/07/2012	12.16	10/07/2012	17.22	Providing repair Sleeve to 400KV B Bus damage conductor strands
Bus Coupler at Nagothane	10/07/2012	12.16	10/07/2012	17.22	Providing repair Sleeve to 400KV B Bus damage conductor strands
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	10/07/2012	18.30	Relay commissioning and protection upgradation.
220/110KV 200MVA ICT-II at Mudshingi	09/07/2012	09.12		Continued.	Bus section II and III outage.
Vankushwadi - MIDC Satara - I	10/07/2012	07.05	10/07/2012	19.00	Erection 29A Line Tower for 220KV LILO Line
Vankuswadi - MIDC Satara- II	10/07/2012	07.10	10/07/2012	19.05	Erection 29A Line Tower for 220KV LILO Line
Mudshingi-Wathar	10/07/2012	10.00	10/07/2012	14.00	Replacement of Bus Isolator
Karad - Vita - I	10/07/2012	10.32	10/07/2012	13.45	Q.M.work
Butibori TSS - Butibori(MIDC)	10/07/2012	10.50	10/07/2012	22.31	Smoke on Coupling Condensor
Wadkhal - NDIL - I	10/07/2012	11.57	10/07/2012	14.09	Maint.work
Babaleshwar - Ranjangaon	10/07/2012	12.10	10/07/2012	18.22	Replacement of Insulator String
Wada-Kolshet	10/07/2012	12.16	10/07/2012	15.20	Maint.work
Wadkhal - Ndil - 2	10/07/2012	14.21	10/07/2012	16.57	Maint.work
Chandrapur MIDC - Gadchandur	10/07/2012	14.43	10/07/2012	17.02	Replacement of Insulator
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220KV 315MVA ICT-III at Karad.	06/07/2012	00.30	10/07/2012	15.12	On TBC due to breaker air leakage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Jul/2012

Position as on 6.30 Hrs of 11/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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	09/07/2012	16.21	10/07/2012	08.46	Over Voltage.
Karad - Kolhapur - II	10/07/2012	21.07		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Mudshingi-Wathar	09/07/2012	09.30		Continued.	Bus section II and III outage.
Bale-Osmanbad	09/07/2012	12.30		Continued.	To control Parli ICT loading.
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
400/220 KV 315 MVA ICT - II @ Parli	09/07/2012	16:02	10/07/2012	08.35	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
Talangade-Ichalkaranji I	10/07/2012	22.20	10/07/2012	22.45	Backup Protection
Talandgade-Ichalkaranj -II	10/07/2012	22.20	10/07/2012	22.50	Backup Protection
Talandge - Sawantwadi	10/07/2012	22.20	10/07/2012	22.38	Backup Protection
Miraj -Ichalkarajni	10/07/2012	22.20	10/07/2012	22.58	Backup Protection
Talangade - Mudshingi - I	10/07/2012	22.21	11/07/2012	02.55	Distance Protection
Talangade-Mudshingi-II	10/07/2012	22.21	10/07/2012	22.30	Backup Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Pathardi-Raimoha	09/07/2012	14.26	10/07/2012	16.15	Backup protection operated.
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa-Kalyan	10/07/2012	13.15	10/07/2012	14.14	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 11/Jul/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	135
Unit 6	210	145
Unit 7	210	175
	620	455
Bhusawal		
Unit 2	210	150
Unit 3	210	0
Unit 4	500	
Unit 5	500	
	1420	150
Parli		
Unit 3	210	150
Unit 4	210	140
Unit 5	210	150
Unit 6	250	80
Unit 7	250	170
	1130	690
Chandrapur		
Unit 1	210	150
Unit 2	210	160
Unit 3	210	180
Unit 4	210	200
Unit 5	500	350
Unit 6	500	350
Unit 7	500	375
	2340	1765
Paras		
Unit 3	250	0
Unit 4	250	230
	500	230
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	50
Unit 4	210	190
Unit 5	210	180
	630	420
Uran		
All Units	852	290
	852	290
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	0
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	149
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	376
Other CPPs	0	
	1005	1476
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	4291
	3455	4291