



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

State Load Dispatch Center, Airoli

Daily system Report

for

06/Jul/2012

State Load Dispatch Center,Airoli (MSETCL)

Daily system Report for 06/Jul/2012 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	94.524	569.552	1) Gujrat	-3.047	-10.981
2) Hydro	5.132	48.035	2) Madhya Pradesh	14.046	80.516
3) Gas	12.984	66.771	3) Chattisgarh	10.280	61.690
Total MSGENCO	112.640	684.358	4) Maharashtra	44.722	283.256
B) OTHERS			5) Goa	-6.494	-34.614
1) JSW JAIGAD	27.849	171.912	6) TAPS 1&2 Injection	7.358	44.193
2) WPCL	7.402	54.309	7) RGPPL Injection	20.437	112.227
3) Other CPP / IPP	7.234	41.952	8) Pench (Excess)	-0.070	-0.346
4) Wind Generation	21.427	104.458	# Total Cent. Sector	87.232	535.941
5) PENCH (MS)	0.070	0.346	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-15.448	-63.898
1) TPCL Thermal	24.025	164.977	G) Bilateral Power *		
2) TPCL Hydro	4.191	23.668	1) MSEDCL Bilateral	24.514	168.093
TOTAL TPCL	28.216	188.645	Include PX	0.000	1.765
3) REL Thermal	12.597	75.398	2) MUMBAI Bilateral	12.199	74.351
D) STATE			Include PX	-0.330	1.060
1) Thermal (A1+C1+C3)	131.146	809.927	3) MUMBAI Schedule	12.199	74.351
2) Hydro (A2+B5+C2)	9.393	72.049	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.984	66.771	1) MSEDCL	248.406	1529.378
4) Wind (B4)	21.427	104.458	2) TPCL	37.912	220.021
5) CPP (B1+B2+B3)	42.485	268.173	3) REL	18.347	107.905
TOTAL STATE	217.435	1321.378	TOTAL STATE	304.665	1857.304

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	3811	3990	3870
MSGENCO Hydro	479	647	45
MSGENCO Gas	540	526	560
MSGENCO Total Generation	4830	5163	4475
Central Sector Receipt	4254	3943	2956
WIND	862	829	1042
CPP / IPP	1774	1683	1744
Exchange with Mumbai	-884	-743	-301
MSEDCL DEMAND MET	10836	10896	9916
Load Shedding	186	523	113
MSEDCL DEMAND	11022	11419	10029
TPCL GENERATION	1423	1319	813
R-INFRA GENERATION	527	524	520
TPCL+R-INFRA DEMAND	2834	2586	1634
STATE DEMAND MET	13670	13482	11550
STATE DEMAND	13856	14005	11663
Frequency (Hz)	49.93	49.73	50.11

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.74 Hz at 18.01 Hrs	49.49 Hz at 20.12 Hrs	50	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 06/Jul/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.82	15.90	145	78	140
Unit 6	3.19	16.56	150	100	145
Unit 7	3.74	23.34	175	120	170
Total	9.74	55.80			455
Bhusawal					
Unit 2	3.52	22.61	165	115	160
Unit 3	4.00	17.74	175	155	180
Unit 4	0.00	0.00	0	0	
Unit 5	0.00	0.00	0	0	
Total	7.52	40.35			340
Parli					
Unit 3	3.38	17.85	158	115	150
Unit 4	3.02	17.50	140	109	130
Unit 5	3.22	19.58	153	123	130
Unit 6	0.00	0.00	0	0	0
Unit 7	3.04	5.66	171	71	150
Total	12.67	60.58			560
Chandrapur					
Unit 1	3.48	21.30	154	118	160
Unit 2	3.40	22.62	155	112	150
Unit 3	3.74	25.06	178	140	185
Unit 4	4.06	27.44	202	145	180
Unit 5	9.84	48.30	460	360	460
Unit 6	9.01	57.95	426	280	400
Unit 7	0.00	21.47	0	0	0
Total	33.55	224.13			1535
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	4.21	26.85	210	140	210
Unit 2	0.00	0.00	0	0	0
Unit 3	4.52	28.53	218	165	210
Unit 4	4.26	28.45	200	144	210
Unit 5	4.42	31.11	249	0	300
Total	17.40	114.94			930
Nasik					
Unit 3	4.88	30.18	220	175	192
Unit 4	4.50	27.08	210	160	192
Unit 5	4.26	16.48	189	160	172
Total	13.64	73.75			556
Uran					
All Units	12.98	66.77	564	512	570
Total	12.98	66.77			570
PENCH (MS)					
Pench (MS)	0.07	0.35	24	0	
Total	0.07	0.35			
Koyna					
Stage 1-2	1.48	15.96	260	40	530
Stage 4	0.00	9.14	0	0	250
Stage 3	1.88	10.38	238	0	240
Kovna 12&4 Total	1.48	25.11			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.35	35.49			1020
Hydro					
KDPH	0.00	0.13	0	0	0
VTRNA	0.86	5.37	61	0	61
TILLARI	0.16	1.27	60	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.37	1.82	82	0	40
RNGR+BHTSA	0.00	0.84	0	0	9
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.06	0.50	8	0	7
GHATGHAR	0.34	2.62	125	0	0
Total	1.78	12.54			177
Wind					
MalharPeth	1.10	6.47			
Vankuswadi	1.94	9.46			
ATIT	0.29	2.18			
Kale	0.69	3.75			
Satara	0.66	13.31			
Shirala	0.52	4.12			
K Mahankal	4.32	11.81			
Supa	0.21	1.34			
Vita	2.85	21.59			
Dondaicha	5.67	18.67			
Sakri	0.93	2.49			
Nandurbar	0.38	1.77			
Khandke	0.96	5.22			
Khaparale	0.91	2.29			
Total	21.43	104.46			
CPP					
JSW JAIGAD	27.85	171.91	1228	1116	1100
WARDHA	7.40	54.31	335	218	330
Other CPPs	7.23	41.95			
Total	42.48	268.17			1430
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.06	69.60	504	287	500
Trombay 6	4.37	36.98	365	155	500
Trombay 7A	2.52	16.84	125	69	120
Trombay 7B	1.49	9.41	68	53	60
Trombay 8	5.59	32.15	252	173	250
TATA Hydro	4.19	23.67	426	0	447
Total	28.22	188.64			1877
REL					
1&2	12.60	75.40	528	519	500
Total	12.60	75.40			500
Cent Sect					
Share					4141
Total					4141

MS PG CL	Thermal	94.52	569.55			4376
	Thml+Gas	107.51	636.32			4946
	Hydro	5.13	48.04			1197
	Total	112.64	684.36			6143
State Total		217.44	1321.38			14091

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 06/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	4106	40	562	4708	999	1845	4313	3158	-460	-435	10275	157	10432	1895	12327	49.98
2	3997	40	561	4598	1083	1780	4152	3163	-364	-362	10262	109	10371	1733	12104	49.92
3	3856	45	563	4464	961	1757	4175	3272	-395	-337	10117	112	10229	1665	11894	49.99
4	3870	45	560	4475	1042	1744	4177	2956	-373	-301	9916	113	10029	1634	11663	50.11
5	4048	83	561	4692	971	1761	4173	2868	-375	-294	9998	114	10112	1637	11749	50.16
6	4030	125	564	4719	873	1836	4187	3347	-376	-303	10472	122	10594	1736	12330	50.36
7	4073	118	561	4752	842	1841	4255	3359	-405	-302	10492	168	10660	1839	12499	50.29
8	4024	153	560	4737	870	1747	4375	3660	-500	-442	10572	178	10750	1974	12724	50.25
9	3993	296	553	4842	1023	1748	4358	3930	-547	-859	10684	234	10918	2292	13210	50.11
10	3934	378	549	4861	756	1745	4210	4138	-562	-898	10602	189	10791	2638	13429	49.90
11	3811	479	540	4830	862	1774	4234	4254	-597	-884	10836	186	11022	2834	13856	49.93
12	3718	473	539	4730	798	1868	4293	4263	-660	-859	10800	171	10971	2882	13853	49.81
13	3856	179	530	4565	747	1860	4298	3756	-670	-738	10190	236	10426	2850	13276	49.80
14	3797	106	531	4434	813	1861	4261	3512	-623	-652	9968	191	10159	2775	12934	49.97
15	3910	101	527	4538	959	1860	4261	3290	-617	-699	9948	189	10137	2798	12935	49.93
16	3857	101	528	4486	1104	1867	4212	3209	-569	-782	9884	204	10088	2782	12870	49.95
17	3847	101	528	4476	1021	1709	4228	3303	-510	-817	9692	245	9937	2759	12696	49.97
18	3840	108	529	4477	913	1645	4099	3784	-448	-970	9849	225	10074	2716	12790	50.17
19	3971	137	529	4637	896	1622	3883	4184	-440	-894	10445	211	10656	2621	13277	50.25
20	3949	491	529	4969	794	1640	3928	4139	-429	-765	10777	469	11246	2636	13882	49.79
21	3990	647	526	5163	829	1683	4043	3943	-504	-743	10896	523	11419	2586	14005	49.73
22	4015	356	530	4901	726	1745	4182	3866	-597	-714	10548	507	11055	2444	13499	49.85
23	4045	262	512	4819	873	1760	4359	4106	-612	-755	10827	226	11053	2333	13386	49.91
24	3987	268	512	4767	672	1787	4268	3770	-567	-643	10354	177	10531	2202	12733	49.93
MUs	94.52	5.13	12.98	112.64	21.43	42.48	100.92	87.23	-12.20	-15.45	248.40	5.26	253.66	56.26	309.92	50.00

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 06/Jul/2012

Position as on 6.30 Hrs of 07/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.	
Chandrapur Unit 7	500	03/07/2012	09.19		Continued.	Boiler Tube Leakage	
CPP WPCL U-3	135	05/07/2012	10.20		Continued.	I.D. FanVibration High.	
Cent_Sect NTPC(K-1)	210	06/07/2012	00.22	06/07/2012	05.24	Flame Failure.	
Khaparkheda Unit 5	500	06/07/2012	01.29	06/07/2012	03.34	Tripped on generator protection.	
Dabhol 1B	230	06/07/2012	10.27		Continued.	Gas Shortage.	
CPP WPCL U-2	135	06/07/2012	16.15	06/07/2012	20.06	AC Supply Fail.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 06/Jul/2012

Position as on 6.30 Hrs of 07/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.
Parli-Parli (PGCIL) I	01/07/2012	23.51	06/07/2012	11.30	Over Voltage.
Kolhapur - Mapusa - I	03/07/2012	21.55	06/07/2012	11.12	Over Voltage
Akola - Wardha - II	03/07/2012	22.13		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	06/07/2012	18.03		Continued.	Over Voltage.
Akola - Aurangabad - I	07/07/2012	02.09		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		
50MVAR Reactor C'Pur - Parli -I at Parli end	16/04/2012	16.50		Continued.	Filtration work
400/220KV 500 MVA ICT III at Parli II	03/07/2012	13.28	06/07/2012	20.27	33KV PT Replacement.
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Maintenance work.
400/220KV 315 MVA ICT-I @ Padgha	06/07/2012	08.43	06/07/2012	17.42	Repl.of B & Y Ph.LV side CT.
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.
Bableshevar-Aurangabad	06/07/2012	13.10		Continued.	Repl.of operating mechanism of isolator.(Ready for charging 18.40 hrs)
Bus Coupler @ Aurangabad	06/07/2012	13.24	06/07/2012	14.12	Attending air leakages.
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.
Chandrapur-Sicom - II	06/07/2012	10.18	06/07/2012	16.51	Measurement of tan delta of CT and Q.M.Work.
220/132 KV 200 MVA ICT - II @ Parbhani	06/07/2012	10.26	06/07/2012	17.53	Measurement tan delta.
Trombay-Mulund	06/07/2012	11.10	06/07/2012	16.40	Jumper Nut replacement work.
Half Bus Sec.II at Sawangi	06/07/2012	12.15	06/07/2012	19.48	Maint.of 220KV Main bus isolator 29A of 100MVA ICT II.
Kanhan - Umred	06/07/2012	15.24	06/07/2012	18.01	Measurement tan delta.
Hingoli-Parbhani	06/07/2012	15.29	06/07/2012	16.22	Measurement tan delta.
220/132 KV 200 MVA ICT-I @ Bale	06/07/2012	18.35	06/07/2012	20.29	Testing work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bus Section -II at Boiser	06/07/2012	11.05	06/07/2012	14.42	Repl.of E/W tension clamp pin.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
ICT III @ 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	20/06/2012	10.17		Continued.	Low Oil Pressure Alarm Received.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 06/Jul/2012

Position as on 6.30 Hrs of 07/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Spare ICT at Khaparkheda					
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
Parly - Solapur (PGCIL) - I	05/07/2012	18.17		Continued.	H/T for O/V.
Karad - Kolhapur - II	06/07/2012	00.33		Continued.	H.T. For O/V.
Karad - Kolhapur - I	06/07/2012	16.06		Continued.	Over Voltage.
400/220KV 500 MVA ICT III at Parli II	06/07/2012	20.45		Continued.	Due to load not sharing properly.
Karad - Newkoyna - I	07/07/2012	02.03		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
Karad - Kolhapur - II	04/07/2012	06.12	06/07/2012	11.03	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 07/Jul/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	100
Unit 6	210	105
Unit 7	210	135
	620	340
Bhusawal		
Unit 2	210	160
Unit 3	210	160
Unit 4	500	
Unit 5	500	
	1420	320
Parli		
Unit 3	210	150
Unit 4	210	120
Unit 5	210	150
Unit 6	250	0
Unit 7	250	140
	1130	560
Chandrapur		
Unit 1	210	150
Unit 2	210	125
Unit 3	210	160
Unit 4	210	180
Unit 5	500	400
Unit 6	500	400
Unit 7	500	0
	2340	1415
Paras		
Unit 3	250	0
Unit 4	250	0
	500	0
Khaparkheda		
Unit 1	210	195
Unit 2	210	0
Unit 3	210	190
Unit 4	210	175
Unit 5	500	230
	1340	790
Nasik		
Unit 3	210	192
Unit 4	210	192
Unit 5	210	172
	630	556
Uran		
All Units	852	500
	852	500
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	61

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	209
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	900
WARDHA	405	330
Other CPPs	0	
	1005	1230
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	4368
	3455	4368

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