



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

State Load Dispatch Center, Airoli

Daily system Report

for

05/Jul/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 05/Jul/2012 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	99.653	475.028	1) Gujrat	-2.561	-7.934
2) Hydro	3.370	42.903	2) Madhya Pradesh	15.118	66.470
3) Gas	12.087	53.787	3) Chattisgarh	8.420	51.410
Total MSGENCO	115.110	571.718	4) Maharashtra	42.296	238.534
B) OTHERS			5) Goa	-5.763	-28.120
1) JSW JAIGAD	29.154	144.063	6) TAPS 1&2 Injection	7.349	36.835
2) WPCL	9.161	46.907	7) RGPPL Injection	20.450	91.790
3) Other CPP / IPP	7.500	34.718	8) Pench (Excess)	-0.069	-0.276
4) Wind Generation	23.204	83.031	# Total Cent. Sector	85.240	448.709
5) PENCH (MS)	0.069	0.276	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-12.764	-48.450
1) TPCL Thermal	26.064	140.952	G) Bilateral Power *		
2) TPCL Hydro	3.765	19.477	1) MSEDCL Bilateral	28.123	143.579
TOTAL TPCL	29.829	160.429	Include PX	0.000	1.765
3) REL Thermal	12.606	62.801	2) MUMBAI Bilateral	11.338	62.151
D) STATE			Include PX	-0.391	1.390
1) Thermal (A1+C1+C3)	138.323	678.781	3) MUMBAI Schedule	11.338	62.151
2) Hydro (A2+B5+C2)	7.204	62.656	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.087	53.787	1) MSEDCL	256.674	1280.972
4) Wind (B4)	23.204	83.031	2) TPCL	37.051	182.109
5) CPP (B1+B2+B3)	45.815	225.688	3) REL	18.147	89.558
TOTAL STATE	226.633	1103.943	TOTAL STATE	311.872	1552.639

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4210	4182	4087
MSGENCO Hydro	377	194	49
MSGENCO Gas	489	584	459
MSGENCO Total Generation	5076	4960	4595
Central Sector Receipt	3910	4234	2940
WIND	1005	1123	778
CPP / IPP	1848	1855	1989
Exchange with Mumbai	-754	-946	40
MSEDCL DEMAND MET	11085	11226	10342
Load Shedding	113	42	97
MSEDCL DEMAND	11198	11268	10439
TPCL GENERATION	1500	1229	1098
R-INFRA GENERATION	525	525	526
TPCL+R-INFRA DEMAND	2779	2700	1584
STATE DEMAND MET	13864	13926	11926
STATE DEMAND	13977	13968	12023
Frequency (Hz)	49.68	49.79	49.84

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.42 Hz at 18.03 Hrs	49.2 Hz at 00.38 Hrs	49.78	.24 % 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 05/Jul/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.74	13.09	143	81	90
Unit 6	2.71	13.38	138	90	90
Unit 7	3.81	19.60	180	128	120
Total	9.26	46.06			300
Bhusawal					
Unit 2	3.66	19.08	170	130	170
Unit 3	4.02	13.74	185	150	180
Unit 4	0.00	0.00	0	0	
Unit 5	0.00	0.00	0	0	
Total	7.68	32.82			350
Parli					
Unit 3	3.43	14.47	158	135	140
Unit 4	3.04	14.48	135	120	120
Unit 5	3.19	16.36	160	117	120
Unit 6	0.00	0.00	0	0	0
Unit 7	2.61	2.61	174	0	160
Total	12.26	47.92			540
Chandrapur					
Unit 1	3.65	17.82	156	146	155
Unit 2	3.73	19.21	160	148	165
Unit 3	4.30	21.32	184	166	185
Unit 4	4.80	23.37	203	189	200
Unit 5	10.14	38.46	460	390	400
Unit 6	9.64	48.93	440	370	400
Unit 7	0.00	21.47	0	0	0
Total	36.26	190.58			1505
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	4.15	22.64	190	135	200
Unit 2	0.00	0.00	0	0	0
Unit 3	4.26	24.02	200	155	210
Unit 4	4.97	24.20	218	177	210
Unit 5	6.86	26.69	315	235	300
Total	20.24	97.54			920
Nasik					
Unit 3	4.84	25.30	215	190	192
Unit 4	4.82	22.58	206	186	192
Unit 5	4.29	12.22	197	160	172
Total	13.94	60.11			556
Uran					
All Units	12.09	53.79	596	419	420
Total	12.09	53.79			420
PENCH (MS)					
Pench (MS)	0.07	0.28	24	0	
Total	0.07	0.28			
Koyna					
Stage 1-2	1.06	14.49	55	40	530
Stage 4	0.00	9.14	0	0	250
Stage 3	0.19	8.51	138	0	240
Kovna 12&4 Total	1.06	23.64			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.25	32.14			1020
Hydro					
KDPH	0.00	0.13	0	0	0
VTRNA	0.92	4.51	61	0	61
TILLARI	0.20	1.11	60	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.37	1.45	71	0	40
RNGR+BHTSA	0.22	0.84	9	9	9
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.06	0.44	8	0	8
GHATGHAR	0.36	2.28	125	0	
Total	2.12	10.76			178
Wind					
MalharPeth	1.30	5.37			
Vankuswadi	2.48	7.52			
ATIT	0.29	1.89			
Kale	0.70	3.06			
Satara	0.91	12.65			
Shirala	0.68	3.60			
K Mahankal	5.48	7.49			
Supa	0.51	1.12			
Vita	3.97	18.74			
Dondaicha	3.46	13.00			
Sakri	0.50	1.56			
Nandurbar	0.33	1.39			
Khandke	1.86	4.26			
Khaparale	0.74	1.38			
Total	23.20	83.03			
CPP					
JSW JAIGAD	29.15	144.06	1220	1203	1100
WARDHA	9.16	46.91	459	327	455
Other CPPs	7.50	34.72			
Total	45.82	225.69			1555
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.77	59.54	504	362	500
Trombay 6	3.80	32.61	172	155	500
Trombay 7A	2.92	14.32	125	114	120
Trombay 7B	1.61	7.92	68	64	60
Trombay 8	5.97	26.56	251	242	250
TATA Hydro	3.76	19.48	411	0	447
Total	29.83	160.43			1877
REL					
1&2	12.61	62.80	528	521	500
Total	12.61	62.80			500
Cent Sect					
Share					4087
Total					4087

MS PG CL	Thermal	99.65	475.03			4171
	Thml+Gas	111.74	528.82			4591
	Hydro	3.37	42.90			1198
	Total	115.11	571.72			5789
State Total		226.63	1103.94			13808

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/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	3948	192	419	4559	755	2001	3861	3463	-513	-295	10483	156	10639	1915	12554	49.37
2	3950	49	455	4454	726	2011	3784	3313	-428	-129	10375	184	10559	1750	12309	49.57
3	3981	54	452	4487	802	2003	3785	3078	-365	-30	10340	179	10519	1651	12170	49.71
4	4027	64	455	4546	781	1995	3770	2971	-327	24	10317	120	10437	1603	12040	49.90
5	4087	49	459	4595	778	1989	3769	2940	-328	40	10342	97	10439	1584	12023	49.84
6	4083	54	460	4597	790	1991	3756	3280	-321	-37	10621	130	10751	1658	12409	49.69
7	4181	64	468	4713	821	1995	3793	3269	-325	-145	10653	358	11011	1766	12777	49.91
8	4255	49	465	4769	878	1968	3939	3116	-501	-297	10434	465	10899	1922	12821	49.98
9	4344	113	444	4901	914	1957	3871	3347	-497	-455	10664	297	10961	2206	13167	49.74
10	4319	208	429	4956	916	1957	3930	3762	-521	-556	11035	206	11241	2510	13751	49.60
11	4276	267	444	4987	943	1847	4089	4026	-533	-756	11047	176	11223	2731	13954	49.68
12	4210	377	489	5076	1005	1848	4135	3910	-545	-754	11085	113	11198	2779	13977	49.68
13	4136	230	527	4893	1094	1843	4132	3742	-543	-741	10831	44	10875	2774	13649	49.90
14	4206	115	463	4784	1110	1854	4104	3729	-515	-688	10789	41	10830	2685	13515	49.67
15	4205	110	486	4801	944	1851	4153	3919	-515	-778	10737	41	10778	2763	13541	49.56
16	4182	115	581	4878	1169	1849	4302	3766	-510	-776	10886	59	10945	2770	13715	49.77
17	4162	110	590	4862	1257	1850	4330	3363	-518	-836	10496	51	10547	2777	13324	49.97
18	4189	117	596	4902	1369	1837	4253	3112	-438	-904	10316	78	10394	2734	13128	50.09
19	4183	118	590	4891	1099	1823	4287	3717	-430	-1016	10514	18	10532	2720	13252	49.98
20	4182	194	584	4960	1123	1855	4354	4234	-474	-946	11226	42	11268	2700	13968	49.79
21	4149	314	557	5020	1055	1858	4461	4079	-558	-722	11311	41	11352	2490	13842	49.72
22	4190	206	555	4951	891	1871	4491	3841	-578	-706	10871	39	10910	2368	13278	49.77
23	4115	115	560	4790	976	1884	4443	3858	-539	-692	10840	6	10846	2267	13113	49.81
24	4093	86	559	4738	1008	1878	4380	3400	-516	-569	10456	4	10460	2076	12536	49.96
MUs	99.65	3.37	12.09	115.11	23.20	45.82	98.17	85.24	-11.34	-12.76	256.67	2.94	259.61	55.20	314.81	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 05/Jul/2012

Position as on 6.30 Hrs of 06/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.	
Dabhol 1A	230	16/06/2012	11.45	05/07/2012	12.22	Withdrawn.	
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	
Uran Unit 5	108	26/06/2012	12.50	05/07/2012	18.07	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.	
Parli Unit 7	250	29/06/2012	14.45	05/07/2012	02.53	Furnace pressure high.	
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	
Cent_Sect NTPC(K-3)	210	04/07/2012	23.10	05/07/2012	20.23	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.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Jul/2012

Position as on 6.30 Hrs of 06/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Koradi-Bhilai	05/07/2012	12.03	05/07/2012	14.40	For taking reactor I/S.
Koradi-Bhilai	05/07/2012	17.04	05/07/2012	17.33	For connecting another testing instrment in fault phase.
Koradi-Bhilai	05/07/2012	22.15	05/07/2012	22.24	For taking reactor I/S.
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		Continued.	Over Voltage.
Kolhapur - Mapusa - I	03/07/2012	21.55		Continued.	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
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
400/220 KV Spare 167 MVA ICT At Chakan	05/07/2012	09.59	05/07/2012	14.28	Maintenance work.
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Maintenance work.
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.
New Parli-Nanded	05/07/2012	07.34	05/07/2012	17.37	Restranging in between Loc 37(A) and 38 of 220 KV New Parli to 220 KV Nanded D/C Line.
Girwali - Parbhani	05/07/2012	08.13	05/07/2012	18.58	Restranging in between Loc37(A) And (38)of 220 KV Girwali to 220 KV Parbhani D/C line.
Pirangut-Hinjewadi	05/07/2012	10.00	05/07/2012	17.50	Half yearly maint. work.
Babaleshwar - Ranjangaon	05/07/2012	12.50	05/07/2012	19.14	Q.M. work.
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 : 220KV			Outage Type FORCED OUTAGE		
Padghe - Nashik - II	05/07/2012	09.09	05/07/2012	17.05	Maintenance work.
Kharghar - Kalwa	05/07/2012	11.12	05/07/2012	16.00	Attending hot spot.
Karad-Mudsingi-IV	05/07/2012	12.01	05/07/2012	16.45	extn. of P.T. supply for seperate metering.
Lonikand -Theur - II	05/07/2012	14.16	05/07/2012	17.57	Attending Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV 167 MVA Spare ICT at Khaparkhedha	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

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Jul/2012

Position as on 6.30 Hrs of 06/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					& 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.
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		Continued.	Over Voltage
400/220 KV 500 MVA ICT - I @ Lamboti	04/07/2012	17.48	05/07/2012	13.25	Y Phase CVT Burst
Bhusawal- Aurangabad	06/07/2012	03.37		Continued.	Tripped on O.V.
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 06/Jul/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	145
Unit 7	210	170
	620	455
Bhusawal		
Unit 2	210	160
Unit 3	210	180
Unit 4	500	
Unit 5	500	
	1420	340
Parli		
Unit 3	210	150
Unit 4	210	130
Unit 5	210	130
Unit 6	250	0
Unit 7	250	150
	1130	560
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	185
Unit 4	210	180
Unit 5	500	460
Unit 6	500	400
Unit 7	500	0
	2340	1535
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	300
	1340	930
Nasik		
Unit 3	210	192
Unit 4	210	192
Unit 5	210	172
	630	556
Uran		
All Units	852	570
	852	570
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	40
RNGR+BHTSA	20	9
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	7
GHATGHAR	250	0
	611	177
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	330
Other CPPs	0	
	1005	1430
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	4141
	3455	4141