



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/Jul/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 02/Jul/2012 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	97.392	184.537	1) Gujrat	-1.926	0.725
2) Hydro	13.660	24.666	2) Madhya Pradesh	11.510	25.475
3) Gas	10.719	21.840	3) Chattisgarh	10.700	21.960
Total MSGENCO	121.771	231.043	4) Maharashtra	50.060	101.401
B) OTHERS			5) Goa	-5.982	-11.508
1) JSW JAIGAD	27.856	56.839	6) TAPS 1&2 Injection	7.357	14.780
2) WPCL	10.929	21.482	7) RGPPL Injection	17.717	34.820
3) Other CPP / IPP	5.954	12.040	8) Pench (Excess)	-0.070	-0.139
4) Wind Generation	6.590	17.908	# Total Cent. Sector	89.366	187.514
5) PENCH (MS)	0.070	0.139	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-8.618	-16.238
1) TPCL Thermal	30.500	56.864	G) Bilateral Power *		
2) TPCL Hydro	5.634	6.442	1) MSEDCL Bilateral	28.179	59.183
TOTAL TPCL	36.134	63.306	Include PX	0.000	1.765
3) REL Thermal	12.560	25.144	2) MUMBAI Bilateral	13.363	24.567
D) STATE			Include PX	0.388	-0.447
1) Thermal (A1+C1+C3)	140.452	266.545	3) MUMBAI Schedule	13.363	24.567
2) Hydro (A2+B5+C2)	19.364	31.247	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.719	21.840	1) MSEDCL	253.918	510.727
4) Wind (B4)	6.590	17.908	2) TPCL	38.505	69.760
5) CPP (B1+B2+B3)	44.739	90.361	3) REL	18.803	34.922
TOTAL STATE	221.864	427.901	TOTAL STATE	311.226	615.409

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4334	3984	4045
MSGENCO Hydro	847	1139	57
MSGENCO Gas	440	436	472
MSGENCO Total Generation	5621	5559	4574
Central Sector Receipt	3948	3757	3294
WIND	82	557	72
CPP / IPP	1914	1912	1898
Exchange with Mumbai	-518	-494	-58
MSEDCL DEMAND MET	11047	11291	9780
Load Shedding	618	610	234
MSEDCL DEMAND	11665	11901	10014
TPCL GENERATION	1888	1906	1088
R-INFRA GENERATION	524	521	524
TPCL+R-INFRA DEMAND	2930	2921	1670
STATE DEMAND MET	13977	14212	11450
STATE DEMAND	14595	14822	11684
Frequency (Hz)	49.37	49.27	49.62

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.12 Hz at 17:03 Hrs	48.79 Hz at 21:37 Hrs	49.42	21.15 % 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 02/Jul/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.99	4.99	133	115	135
Unit 6	3.11	4.87	150	111	120
Unit 7	4.04	8.26	185	140	185
Total	10.14	18.12			440
Bhusawal					
Unit 2	3.90	7.82	175	140	175
Unit 3	1.52	1.52	160	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Total	5.43	9.35			175
Parli					
Unit 3	3.01	4.20	172	0	100
Unit 4	3.36	5.66	166	95	150
Unit 5	3.36	6.69	163	129	150
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0
Total	9.74	16.54			400
Chandrapur					
Unit 1	3.55	7.09	151	143	155
Unit 2	3.94	7.87	169	160	165
Unit 3	4.33	8.68	188	164	185
Unit 4	4.69	9.39	200	190	195
Unit 5	5.70	15.20	460	0	450
Unit 6	10.73	20.60	480	415	460
Unit 7	8.88	17.65	438	331	400
Total	41.82	86.47			2010
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	4.81	9.54	210	190	210
Unit 2	0.00	0.00	0	0	0
Unit 3	5.16	10.19	218	211	210
Unit 4	5.13	9.54	216	210	210
Unit 5	5.57	5.57	332	0	200
Total	20.67	34.84			830
Nasik					
Unit 3	5.06	10.37	215	195	192
Unit 4	4.54	8.84	201	166	192
Unit 5	0.00	0.01	0	0	0
Total	9.60	19.22			384
Uran					
All Units	10.72	21.84	479	398	450
Total	10.72	21.84			450
PENCH (MS)					
Pench (MS)	0.07	0.14	24	0	0
Total	0.07	0.14			0
Koyna					
Stage 1-2	4.36	9.01	450	35	530
Stage 4	5.06	7.48	560	0	250
Stage 3	1.90	3.89	238	0	240
Kovna 12&4 Total	9.42	16.49			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	11.32	20.38			1020
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.91	1.78	61	0	60
TILLARI	0.06	0.31	43	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.24	0.43	80	0	80
RNGR+BHTSA	0.22	0.43	10	9	7
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.13	0.19	11	2	10
GHATGHAR	0.78	1.15	125	0	0
Total	2.34	4.29			217
Wind					
MalharPeth	0.32	0.63			
Vankuswadi	0.35	0.85			
ATIT	0.05	0.14			
Kale	0.30	0.50			
Satara	1.99	3.32			
Shirala	0.32	0.69			
K Mahankal	0.12	0.21			
Supa	0.02	0.06			
Vita	2.36	5.82			
Dondaicha	0.54	4.29			
Sakri	0.04	0.50			
Nandurbar	0.11	0.51			
Khandke	0.08	0.18			
Khaparale	0.01	0.21			
Total	6.59	17.91			
CPP					
JSW JAIGAD	27.86	56.84	1209	912	1100
WARDHA	10.93	21.48	466	435	460
Other CPPs	5.95	12.04			
Total	44.74	90.36			1560
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.03	24.01	506	498	500
Trombay 6	8.64	12.61	503	159	500
Trombay 7A	2.87	5.75	122	115	120
Trombay 7B	1.59	3.18	67	65	60
Trombay 8	5.38	11.32	251	0	250
TATA Hydro	5.63	6.44	471	0	447
Total	36.13	63.31			1877
REL					
1&2	12.56	25.14	526	516	500
Total	12.56	25.14			500
Cent Sect					
Share					4488
Total					4488

MS PG CL	Thermal	97.39	184.54			4239
	Thml+Gas	108.11	206.38			4689
	Hydro	13.66	24.67			1237
	Total	121.77	231.04			5926
State Total		221.86	427.90			14351

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/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	3816	412	467	4695	109	1899	4211	3875	-528	-394	10184	146	10330	2038	12368	49.63
2	3885	127	465	4477	61	1884	4108	3795	-425	-221	9996	213	10209	1859	12068	49.51
3	3889	52	474	4415	73	1897	4060	3645	-361	-128	9902	222	10124	1744	11868	49.47
4	4045	57	472	4574	72	1898	4026	3294	-324	-58	9780	234	10014	1670	11684	49.62
5	4155	57	476	4688	100	1909	4026	3346	-327	-34	10009	247	10256	1654	11910	49.55
6	4202	47	479	4728	127	1917	3917	3425	-331	-88	10109	365	10474	1716	12190	49.52
7	4191	52	475	4718	85	1894	3875	3266	-338	-184	9779	774	10553	1837	12390	49.63
8	4209	77	469	4755	47	1896	3894	3369	-425	-276	9791	817	10608	1979	12587	49.63
9	4286	218	459	4963	68	1904	4017	3458	-543	-319	10074	886	10960	2267	13227	49.55
10	4297	535	450	5282	77	1898	4073	3842	-550	-422	10677	612	11289	2651	13940	49.57
11	4282	1027	449	5758	86	1892	4255	3842	-684	-501	11077	549	11626	2890	14516	49.32
12	4334	847	440	5621	82	1914	4345	3948	-750	-518	11047	618	11665	2930	14595	49.37
13	4241	761	424	5426	93	1917	4325	4001	-718	-501	10936	693	11629	2929	14558	49.46
14	3900	1143	437	5480	188	1927	4149	3813	-641	-425	10983	598	11581	2856	14437	49.31
15	3856	1391	419	5666	262	1921	4159	3871	-679	-493	11227	503	11730	2918	14648	49.20
16	3941	1279	444	5664	480	1919	4140	3801	-669	-502	11362	539	11901	2929	14830	49.24
17	3984	1139	436	5559	557	1912	4133	3757	-663	-494	11291	610	11901	2921	14822	49.27
18	3936	356	441	4733	586	1910	4096	3827	-608	-456	10600	600	11200	2853	14053	49.56
19	3958	131	443	4532	753	1917	4041	3760	-554	-383	10579	413	10992	2744	13736	49.48
20	4014	924	441	5379	741	1623	4058	3785	-514	-392	11159	625	11784	2681	14465	49.13
21	3989	793	406	5188	635	1626	4131	3689	-587	-221	10940	612	11552	2544	14096	49.26
22	3984	689	398	5071	548	1645	4162	3933	-676	-476	10745	596	11341	2379	13720	49.18
23	4009	860	433	5302	396	1736	4186	4072	-738	-520	10986	232	11218	2199	13417	49.39
24	3989	686	422	5097	364	1884	4184	3952	-730	-612	10685	166	10851	2124	12975	49.27
MUs	97.39	13.66	10.72	121.77	6.59	44.74	98.57	89.37	-13.36	-8.62	253.92	11.87	265.79	57.31	323.10	49.42

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 02/Jul/2012

Position as on 6.30 Hrs of 03/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.	05/07/2012
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		Continued.	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 Srevomotor Oil Leakage.	05/07/2012
Khaparkheda Unit 5	500	23/06/2012	11.09	02/07/2012	01.27	Bunkering problem.	
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		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.	
Bhusawal Unit 3	210	28/06/2012	23.38	02/07/2012	06.51	Boiler Validity Expire.	
Parli Unit 7	250	29/06/2012	14.45		Continued.	Furnace pressure high.	
Paras Unit 4	250	30/06/2012	07.03		Continued.	Main oil tank leakage.	
Nasik Unit 5	210	01/07/2012	06.40	03/07/2012	00.23	Tripped on turbine problem.	
Parli Unit 3	210	01/07/2012	08.09	02/07/2012	02.38	Tripped on low vaccum.	
Cent_Sect sipat-5	500	02/07/2012	04.35		Continued.	Excitor AVR fault.	
Bhusawal Unit 3	210	02/07/2012	07.20	02/07/2012	11.06	Tripped.	
Bhusawal Unit 3	210	02/07/2012	11.20	02/07/2012	12.52	Low drum level.	
Cent_Sect Sipat-4	500	02/07/2012	13.15	02/07/2012	21.46	Boiler tube leakage.	
CPP JSW (J) U4	300	02/07/2012	19.06	02/07/2012	21.46	Drum level high.	
Tata Trombay 8	250	02/07/2012	21.45		Continued.	Drum level low.	
CPP WPCL U-2	135	03/07/2012	01.02		Continued.	Boiler cleaning.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Jul/2012

Position as on 6.30 Hrs of 03/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Halkarni-Mahalaxmi	02/07/2012	14.22	02/07/2012	15.55	Hot spot attended.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
765KV Seoni - Wardha - II	13/06/2012	16.09		Continued.	Over Voltage
Kolhapur - Mapusa - I	27/06/2012	22.06	02/07/2012	09.14	Over Voltage.
Dhule-Sar'Sarovar - I	01/07/2012	00.26		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	01/07/2012	00.37		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	01/07/2012	21.59		Continued.	Over Voltage.
Parli-Parli (PGCIL) I	01/07/2012	23.51		Continued.	Over Voltage.
Kolhapur-Mapusa-II	02/07/2012	17.50		Continued.	Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC Pole I Padgha	02/07/2012	18.41	02/07/2012	19.30	Replaacement of RHLA card.
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 315 MVA ICT-I @ Dhule	18/06/2012	10.40		Continued.	Cable Termination of CP and RP from new yard.Kept on humming.
400/220 KV 500 MVA ICT-I @ Deepnagar	02/07/2012	09.41	02/07/2012	12.12	Replacement of disc insulator.
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.
Apta-Uran-III	30/06/2012	07.58		Continued.	Shifting the aux.isolator,CT line isolator from RCC structure to new G.I.structure.
Karad-Kolhapur - II	02/07/2012	08.57	02/07/2012	17.42	Due to bus outage at 22oKV Mudshingi.
Karad-Mudsingi-IV	02/07/2012	08.58	02/07/2012	13.05	Due to bus outage at 220KV Mudshingi.
220/132 KV 200 MVA ICT @ Amravati	02/07/2012	09.02	02/07/2012	12.57	Measurement of tan delta of HV and LV CT.
Main bus section I I and III at Mudshingi.	02/07/2012	09.25	02/07/2012	12.57	Isolator maintenance.
Parly - Harangool - I	02/07/2012	09.34	02/07/2012	Continued.	Overhauling of Ckt.breaker.
220/132KV,200MVA ICT-III At Nanded.	02/07/2012	12.39	02/07/2012	14.50	Testing work of CT.
Phursungi -Theur - II	02/07/2012	12.58	02/07/2012	14.50	Hot spot attended.
Main Bus at Tilawani	02/07/2012	13.55	02/07/2012	18.27	Jumper replacement work.
Lamboti-Bale-II	02/07/2012	16.43	02/07/2012	18.25	Upgradation work of line 29C Aux.isolator.
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 & Fixing Repair Siecre for Broken Conductor (Ready for Charging from 10.42 Hrs).

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/Jul/2012

Position as on 6.30 Hrs of 03/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Deepnagar-Aurangabad-I	28/06/2012	12.05		Continued.	Over Voltage.
Karad-Kolhapur-II	01/07/2012	16.10	02/07/2012	09.23	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Dhule-Chalisgaon	22/06/2012	15.12		Continued.	To avail outage of 315 MVA ICT-I.
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
Bblswr - Padgha - II	02/07/2012	02.21	02/07/2012	18.59	Dist.Protection Z-I.
Bablswr-Padgha Ckt I	02/07/2012	04.00	02/07/2012	04.08	Dist.Protection Z-I.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
Trombay-Cornac-V	02/07/2012	19.48	02/07/2012	20.37	Incliment weather.
Trombay-Dharavi-VI	02/07/2012	19.52	02/07/2012	19.42	Incliment weather.
Trombay Salsette-Dharavi-9	02/07/2012	19.52		Continued.	Incliment weather.
Vita-Mhaisal	03/07/2012	03.35		Continued.	Distance protection.
Voltage Level : 110KV			Outage Type TRIPPED		
Chembur-Lodhivali	02/07/2012	19.58	02/07/2012	20.13	Incliment weather.
Khopoli-Lodhivali,Chembur-	02/07/2012	19.58	02/07/2012	20.17	Incliment weather.
Trombay-Dharavi-I	02/07/2012	20.02	02/07/2012	20.04	Incliment weather.
Trombay-Cornac-III	02/07/2012	20.02	02/07/2012	20.34	Incliment weather.
Salsette Dharavi-Vkroli	02/07/2012	20.04	03/07/2012	03.59	Incliment weather.
Vikroli-Dharavi	02/07/2012	20.06	02/07/2012	20.08	Incliment weather.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 03/Jul/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	125
Unit 6	210	140
Unit 7	210	172
	620	437
Bhusawal		
Unit 2	210	170
Unit 3	210	180
Unit 4	500	0
Unit 5	500	0
	1420	350
Parli		
Unit 3	210	135
Unit 4	210	115
Unit 5	210	130
Unit 6	250	0
Unit 7	250	0
	1130	380
Chandrapur		
Unit 1	210	155
Unit 2	210	165
Unit 3	210	180
Unit 4	210	200
Unit 5	500	0
Unit 6	500	450
Unit 7	500	440
	2340	1590
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	210
Unit 4	210	200
Unit 5	210	190
	630	600
Uran		
All Units	852	380
	852	380
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	0
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	9
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	158
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	316
Other CPPs	0	
	1005	1416
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3989
	3455	3989