



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Jul/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/Jul/2012 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	94.597	375.375	1) Gujrat	-3.657	-5.373
2) Hydro	6.550	39.533	2) Madhya Pradesh	14.034	51.352
3) Gas	10.162	41.700	3) Chattisgarh	10.320	42.990
Total MSGENCO	111.309	456.608	4) Maharashtra	46.442	196.238
B) OTHERS			5) Goa	-5.302	-22.357
1) JSW JAIGAD	29.126	114.909	6) TAPS 1&2 Injection	7.359	29.486
2) WPCL	8.064	37.746	7) RGPPL Injection	18.316	71.340
3) Other CPP / IPP	7.811	27.218	8) Pench (Excess)	0.000	-0.207
4) Wind Generation	21.273	59.827	# Total Cent. Sector	87.512	363.469
5) PENCH (MS)	0.000	0.207	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-8.483	-35.686
1) TPCL Thermal	29.942	114.888	G) Bilateral Power *		
2) TPCL Hydro	4.523	15.712	1) MSEDCL Bilateral	27.852	115.456
TOTAL TPCL	34.465	130.600	Include PX	0.000	1.765
3) REL Thermal	12.509	50.195	2) MUMBAI Bilateral	13.901	50.813
D) STATE			Include PX	1.588	1.781
1) Thermal (A1+C1+C3)	137.048	540.458	3) MUMBAI Schedule	13.901	50.813
2) Hydro (A2+B5+C2)	11.073	55.452	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.162	41.700	1) MSEDCL	256.612	1024.298
4) Wind (B4)	21.273	59.827	2) TPCL	37.449	145.058
5) CPP (B1+B2+B3)	45.001	179.873	3) REL	18.005	71.411
TOTAL STATE	224.557	877.310	TOTAL STATE	312.066	1240.767

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	3991	3883	3931
MSGENCO Hydro	370	873	51
MSGENCO Gas	417	425	410
MSGENCO Total Generation	4778	5181	4392
Central Sector Receipt	3666	4003	2982
WIND	860	780	900
CPP / IPP	1859	1926	1836
Exchange with Mumbai	-394	-534	-39
MSEDCL DEMAND MET	10769	11356	10071
Load Shedding	0	483	0
MSEDCL DEMAND	10769	11839	10071
TPCL GENERATION	1908	1433	1086
R-INFRA GENERATION	522	521	525
TPCL+R-INFRA DEMAND	2824	2488	1650
STATE DEMAND MET	13593	13844	11721
STATE DEMAND	13593	14327	11721
Frequency (Hz)	49.60	49.48	49.76

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.22 Hz at 06.02 Hrs	48.92 Hz at 19.42 Hrs	49.65	2.7 % 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 04/Jul/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.56	10.35	130	75	125
Unit 6	2.63	10.67	135	78	120
Unit 7	3.69	15.78	185	127	135
Total	8.88	36.80			380
Bhusawal					
Unit 2	3.77	15.42	165	145	170
Unit 3	4.26	9.71	185	165	180
Unit 4	0.00	0.00	0	0	
Unit 5	0.00	0.00	0	0	
Total	8.04	25.14			350
Parli					
Unit 3	3.46	11.04	158	123	130
Unit 4	2.83	11.44	132	106	105
Unit 5	3.38	13.17	152	126	145
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0
Total	9.67	35.65			380
Chandrapur					
Unit 1	3.78	14.17	185	115	90
Unit 2	3.80	15.48	164	151	165
Unit 3	4.12	17.01	183	140	185
Unit 4	4.57	18.57	197	175	190
Unit 5	9.56	28.32	430	345	420
Unit 6	8.18	39.29	415	245	300
Unit 7	0.00	21.47	0	0	0
Total	34.00	154.32			1350
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	4.08	18.49	210	130	190
Unit 2	0.00	0.00	0	0	0
Unit 3	4.50	19.76	217	156	193
Unit 4	4.67	19.23	217	168	192
Unit 5	7.09	19.82	320	234	271
Total	20.34	77.30			846
Nasik					
Unit 3	5.03	20.46	220	200	192
Unit 4	4.39	17.77	198	172	192
Unit 5	4.25	7.94	190	166	182
Total	13.67	46.16			566
Uran					
All Units	10.16	41.70	448	407	400
Total	10.16	41.70			400
PENCH (MS)					
Pench (MS)	0.00	0.21	0	0	
Total	0.00	0.21			
Koyna					
Stage 1-2	1.69	13.43	285	35	530
Stage 4	0.00	9.14	0	0	250
Stage 3	2.20	8.32	240	0	240
Kovna 12&4 Total	1.69	22.58			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.89	30.90			1020
Hydro					
KDPH	0.00	0.13	0	0	0
VTRNA	0.88	3.60	61	0	60
TILLARI	0.45	0.91	60	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.38	1.08	41	0	40
RNGR+BHTSA	0.10	0.62	9	0	0
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.08	0.38	11	1	9
GHATGHAR	0.77	1.92	240	0	0
Total	2.66	8.64			109
Wind					
MalharPeth	2.25	4.07			
Vankuswadi	2.28	5.04			
ATIT	1.15	1.60			
Kale	0.98	2.36			
Satara	2.80	11.74			
Shirala	1.48	2.92			
K Mahankal	1.62	2.02			
Supa	0.41	0.61			
Vita	4.80	14.77			
Dondaicha	1.24	9.54			
Sakri	0.26	1.06			
Nandurbar	0.11	1.06			
Khandke	1.68	2.40			
Khaparale	0.20	0.64			
Total	21.27	59.83			
CPP					
JSW JAIGAD	29.13	114.91	1221	1199	1100
WARDHA	8.06	37.75	421	308	416
Other CPPs	7.81	27.22			
Total	45.00	179.87			1516
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.94	47.77	505	483	500
Trombay 6	7.77	28.82	504	154	500
Trombay 7A	2.75	11.40	124	91	120
Trombay 7B	1.55	6.32	67	57	60
Trombay 8	5.94	20.59	251	239	250
TATA Hydro	4.52	15.71	471	0	447
Total	34.46	130.60			1877
REL					
1&2	12.51	50.20	527	507	500
Total	12.51	50.20			500
Cent Sect					
Share					4294
Total					4294

MS PG CL	Thermal	94.60	375.38			3872
	Thml+Gas	104.76	417.08			4272
	Hydro	6.55	39.53			1129
	Total	111.31	456.61			5401
State Total		224.56	877.31			13588

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/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	4003	173	407	4583	961	1868	4094	3532	-518	-345	10599	102	10701	1947	12648	49.70
2	4020	178	408	4606	966	1861	3867	3221	-433	-190	10464	122	10586	1796	12382	49.67
3	3976	93	410	4479	940	1856	3841	3116	-379	-93	10298	0	10298	1702	12000	49.68
4	3931	51	410	4392	900	1836	3861	2982	-342	-39	10071	0	10071	1650	11721	49.76
5	3943	46	415	4404	843	1840	3907	3091	-327	-19	10159	0	10159	1632	11791	49.78
6	3928	46	417	4391	870	1841	3942	3490	-323	-93	10499	9	10508	1705	12213	49.66
7	3999	46	408	4453	843	1838	3997	3525	-342	-194	10465	44	10509	1808	12317	49.91
8	4023	104	414	4541	863	1838	4094	3741	-444	-280	10703	44	10747	1944	12691	49.91
9	4058	288	418	4764	862	1851	4137	3810	-507	-404	10883	38	10921	2242	13163	49.79
10	4006	349	418	4773	837	1852	4193	3924	-563	-397	10989	2	10991	2568	13559	49.73
11	3995	351	427	4773	854	1834	4288	3764	-685	-430	10795	0	10795	2777	13572	49.68
12	3991	370	417	4778	860	1859	4252	3666	-666	-394	10769	0	10769	2824	13593	49.60
13	3998	281	421	4700	855	1865	4370	3526	-786	-468	10478	16	10494	2821	13315	49.66
14	3989	202	421	4612	942	1867	4294	3511	-704	-510	10422	31	10453	2761	13214	49.63
15	3957	191	421	4569	965	1859	4352	3661	-741	-512	10542	31	10573	2774	13347	49.47
16	3853	196	419	4468	1115	1865	4280	3494	-678	-370	10572	25	10597	2713	13310	49.53
17	3856	192	442	4490	981	1876	4231	3673	-641	-373	10647	1	10648	2706	13354	49.60
18	3868	163	443	4474	934	1878	4235	3593	-626	-427	10452	25	10477	2682	13159	49.78
19	3806	130	448	4384	1013	1891	4235	3914	-628	-504	10698	25	10723	2565	13288	49.71
20	3856	553	425	4834	879	1899	4253	4183	-655	-531	11264	383	11647	2557	14204	49.45
21	3883	873	425	5181	780	1926	4293	4003	-723	-534	11356	483	11839	2488	14327	49.48
22	3891	620	439	4950	737	1975	4259	4035	-729	-507	11190	441	11631	2406	14037	49.47
23	3890	645	444	4979	751	1956	4199	4056	-747	-445	11297	198	11495	2262	13757	49.39
24	3877	409	445	4731	722	1970	4103	4001	-714	-424	11000	153	11153	2127	13280	49.60
MUs	94.60	6.55	10.16	111.31	21.27	45.00	99.58	87.51	-13.90	-8.48	256.61	2.17	258.78	55.46	314.24	49.65

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 04/Jul/2012

Position as on 6.30 Hrs of 05/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 Servomotor Oil Leakage.	05/07/2012
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.	
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.	
CPP WPCL U-2	135	03/07/2012	01.02	04/07/2012	18.13	Boiler cleaning.	
Chandrapur Unit 7	500	03/07/2012	09.19		Continued.	Boiler Tube Leakage	
Cent_Sect NTPC(K-3)	210	04/07/2012	23.10		Continued.	Boiler Tube Leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Jul/2012

Position as on 6.30 Hrs of 05/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
Dhule-Sar'Sarovar - I	01/07/2012	00.26	04/07/2012	14.25	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	01/07/2012	00.37		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	01/07/2012	21.59	04/07/2012	06.49	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
Karad - Kolhapur - I	03/07/2012	14.18	04/07/2012	09.31	Testing work
400/220 KV 500 MVA ICT - I @ Lamboti	04/07/2012	11.41	04/07/2012	17.48	Q.M.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.
Apta-Uran-III	30/06/2012	07.58	04/07/2012	13.48	Shifting the aux.isolator,CT line isolator from RCC structure to new G.I.structure.
Hinganghat-Bhugaon	04/07/2012	08.56	04/07/2012	16.49	Hopt Spot
Nasik-Raymond	04/07/2012	09.05	04/07/2012	18.11	Replacement of Flashover Insulator
Warora-Hinganghat	04/07/2012	09.56	04/07/2012	16.46	Main Bus outage at Hinganghat
Main Bus at Hinganghat	04/07/2012	10.02	04/07/2012	16.46	Replacement of Damaged Jumper
Main Bus at Malinagar	04/07/2012	10.05	04/07/2012	18.10	Q.M.Work
Kaparkheda-Kalmeshwar	04/07/2012	10.50	04/07/2012	13.47	Fixing of Nut Bolt
Vita - Pandharpur	04/07/2012	11.00	04/07/2012	20.50	Replacement of Faulty Disc Insulator
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 Availd @ 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
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Dhule-Chalishaon	22/06/2012	15.12	04/07/2012	12.47	To avail outage of 315 MVA ICT-I.
Ghodbhundur - Gorai	04/07/2012	13.42	04/07/2012	23.09	Safeguarding of 220KV Cable
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

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 04/Jul/2012

Position as on 6.30 Hrs of 05/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - II	04/07/2012	06.12		Continued.	Over Voltage
400/220 KV 500 MVA ICT - I @ Lamboti	04/07/2012	17.48		Continued.	Y Phase CVT Burst
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 05/Jul/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	90
Unit 6	210	90
Unit 7	210	120
	620	300
Bhusawal		
Unit 2	210	170
Unit 3	210	180
Unit 4	500	
Unit 5	500	
	1420	350
Parli		
Unit 3	210	140
Unit 4	210	120
Unit 5	210	120
Unit 6	250	0
Unit 7	250	160
	1130	540
Chandrapur		
Unit 1	210	155
Unit 2	210	165
Unit 3	210	185
Unit 4	210	200
Unit 5	500	400
Unit 6	500	400
Unit 7	500	0
	2340	1505
Paras		
Unit 3	250	0
Unit 4	250	0
	500	0
Khaparkheda		
Unit 1	210	200
Unit 2	210	0
Unit 3	210	210
Unit 4	210	210
Unit 5	500	300
	1340	920
Nasik		
Unit 3	210	192
Unit 4	210	192
Unit 5	210	172
	630	556
Uran		
All Units	852	420
	852	420
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	8
GHATGHAR	250	
	611	178
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	455
Other CPPs	0	
	1005	1555
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	4087
	3455	4087