



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Apr/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/Apr/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	130.272	130.272	1) Gujrat	3.058	3.058
2) Hydro	6.328	6.328	2) Madhya Pradesh	24.958	24.958
3) Gas	14.010	14.010	3) Chattisgarh	10.580	10.580
Total MSGENCO	150.610	150.610	4) Maharashtra	51.862	51.862
B) OTHERS			5) Goa	-6.415	-6.415
1) JSW JAIGAD	26.866	26.866	6) TAPS 1&2 Injection	7.729	7.729
2) WPCL	8.849	8.849	7) RGPPL Injection	28.952	28.952
3) Other CPP / IPP	9.953	9.953	8) Pench (Excess)	-0.314	-0.314
4) Wind Generation	3.021	3.021	# Total Cent. Sector	120.410	120.410
5) PENCH (MS)	0.314	0.314	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-8.767	-8.767
1) TPCL Thermal	25.998	25.998	G) Bilateral Power *		
2) TPCL Hydro	0.000	0.000	1) MSEDCL Bilateral	39.962	39.962
TOTAL TPCL	25.998	25.998	Include PX	0.000	0.000
3) REL Thermal	12.579	12.579	2) MUMBAI Bilateral	10.958	10.958
D) STATE			Include PX	0.959	0.959
1) Thermal (A1+C1+C3)	168.849	168.849	3) MUMBAI Schedule	10.958	10.958
2) Hydro (A2+B5+C2)	6.642	6.642	H) ENERGY CATERED (MUs)		
3) Gas (A3)	14.010	14.010	1) MSEDCL	311.256	311.256
4) Wind (B4)	3.021	3.021	2) TPCL	31.029	31.029
5) CPP (B1+B2+B3)	45.668	45.668	3) REL	16.317	16.317
TOTAL STATE	238.190	238.190	TOTAL STATE	358.602	358.602

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5279	5517	5439
MSGENCO Hydro	529	269	166
MSGENCO Gas	576	591	566
MSGENCO Total Generation	6384	6377	6171
Central Sector Receipt	5459	4731	4963
WIND	71	159	150
CPP / IPP	1917	1986	1813
Exchange with Mumbai	-289	-398	-339
MSEDCL DEMAND MET	13567	12878	12758
Load Shedding	840	435	286
MSEDCL DEMAND	14407	13313	13044
TPCL GENERATION	1260	1256	839
R-INFRA GENERATION	524	524	525
TPCL+R-INFRA DEMAND	2073	2178	1703
STATE DEMAND MET	15640	15056	14461
STATE DEMAND	16480	15491	14747
Frequency (Hz)	49.97	49.83	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.56 Hz at 17.04 Hrs	49.47 Hz at 19.12 Hrs	49.91	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 01/Apr/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.38	3.38	157	131	150
Unit 6	3.89	3.89	175	140	170
Unit 7	4.01	4.01	175	150	180
Total	11.28	11.28			500
Bhusawal					
Unit 2	4.16	4.16	185	150	160
Unit 3	4.30	4.30	185	165	170
Unit 4	0.00	0.00	0	0	0
Total	8.46	8.46			330
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.75	3.75	178	140	170
Unit 5	3.50	3.50	163	129	155
Unit 6	4.36	4.36	223	160	180
Unit 7	3.94	3.94	186	109	180
Total	15.56	15.56			685
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.91	3.91	170	159	170
Unit 3	4.56	4.56	195	182	190
Unit 4	4.59	4.59	202	160	210
Unit 5	10.95	10.95	480	425	475
Unit 6	10.66	10.66	460	366	450
Unit 7	10.27	10.27	455	396	450
Total	44.93	44.93			1945
Paras					
Unit 3	4.56	4.56	235	160	180
Unit 4	5.13	5.13	242	176	180
Total	9.68	9.68			360
Khaparkheda					
Unit 1	4.88	4.88	215	185	210
Unit 2	4.27	4.27	190	165	200
Unit 3	4.37	4.37	210	170	210
Unit 4	4.56	4.56	198	183	200
Unit 5	7.83	7.83	400	237	0
Total	25.91	25.91			820
Nasik					
Unit 3	4.70	4.70	215	170	190
Unit 4	4.93	4.93	212	194	190
Unit 5	4.82	4.82	208	194	180
Total	14.44	14.44			560
Uran					
All Units	14.01	14.01	614	560	610
Total	14.01	14.01			610
PENCH (MS)					
Pench (MS)	0.31	0.31	50	0	0
Total	0.31	0.31			0
Koyna					
Stage 1-2	1.08	1.08	55	40	520
Stage 4	0.00	0.00	0	0	250
Stage 3	0.73	0.73	238	0	320
Total	1.81	1.81			1090
Kovna 12&4 Total	1.08	1.08			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.58	0.58	36	18	20
VTRNA	0.86	0.86	61	0	60
TILLARI	0.35	0.35	60	0	60
BHTGR/VEER	0.10	0.10	4	4	9
BHIRA T.R.	0.12	0.12	40	0	40
RNGR+BHTSA	0.31	0.31	13	13	13
BHANDARDRA	0.72	0.72	30	30	30
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.92	0.92	39	38	0
GHATGHAR	0.56	0.56	250	0	0
Total	4.52	4.52			232
Wind					
MalharPeth	0.27	0.27			
Vankuswadi	0.34	0.34			
ATIT	0.15	0.15			
Kale	0.16	0.16			
Satara	0.48	0.48			
Shirala	0.17	0.17			
K Mahankal	0.24	0.24			
Supa	0.15	0.15			
Vita	0.27	0.27			
Dondaicha	0.40	0.40			
Sakri	0.09	0.09			
Nandurbar	0.06	0.06			
Khandke	0.20	0.20			
Khaparale	0.06	0.06			
Total	3.02	3.02			
CPP					
JSW JAIGAD	26.87	26.87	1159	1069	1045
WARDHA	8.85	8.85	393	348	362
Other CPPs	9.95	9.95			
Total	45.67	45.67			1407
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.95	10.95	502	294	500
Trombay 6	4.63	4.63	321	158	500
Trombay 7A	2.98	2.98	129	119	120
Trombay 7B	1.65	1.65	70	68	60
Trombay 8	5.79	5.79	251	187	250
TATA Hydro	0.00	0.00	0	0	447
Total	26.00	26.00			1877
REL					
1&2	12.58	12.58	526	520	500
Total	12.58	12.58			500
Cent Sect					
Share					4956
Total					4956

MS PG CL	Thermal	130.27	130.27			5200
	Thml+Gas	144.28	144.28			5810
	Hydro	6.33	6.33			1322
	Total	150.61	150.61			7132
State Total		238.19	238.19			15872

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/Apr/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	5340	195	560	6095	173	1898	4845	5595	-548	-447	13314	162	13476	2115	15591	49.84
2	5424	166	560	6150	150	1843	4728	5349	-425	-405	13087	262	13349	1930	15279	49.91
3	5447	171	563	6181	149	1824	4686	5211	-378	-428	12937	284	13221	1808	15029	49.93
4	5439	166	566	6171	150	1813	4689	4963	-378	-339	12758	286	13044	1703	14747	50.03
5	5456	161	566	6183	147	1802	4689	5017	-378	-298	12851	291	13142	1665	14807	50.03
6	5484	166	566	6216	164	1836	4659	5058	-384	-234	13040	447	13487	1710	15197	49.85
7	5561	176	614	6351	177	1842	4645	4730	-388	-202	12898	957	13855	1722	15577	50.09
8	5438	162	613	6213	149	1820	4656	4969	-390	-183	12968	843	13811	1733	15544	50.16
9	5424	209	597	6230	116	1833	4654	4879	-391	-180	12878	730	13608	1795	15403	50.07
10	5363	287	592	6242	80	1925	4658	5220	-397	-226	13241	646	13887	1904	15791	50.13
11	5262	307	578	6147	59	1926	4707	5520	-443	-264	13388	749	14137	2027	16164	49.89
12	5279	529	576	6384	71	1917	4699	5459	-450	-289	13567	840	14407	2073	16480	49.97
13	5382	454	570	6406	70	1900	4664	5409	-479	-352	13458	816	14274	2081	16355	49.95
14	5322	425	572	6319	58	1903	4609	5232	-451	-411	13127	797	13924	2043	15967	49.94
15	5392	430	573	6395	48	1947	4511	5386	-431	-441	13361	641	14002	2059	16061	49.93
16	5353	454	573	6380	67	1940	4469	5421	-446	-420	13408	666	14074	2037	16111	49.91
17	5464	327	592	6383	88	1967	4496	4722	-456	-406	12754	660	13414	2019	15433	50.02
18	5500	220	599	6319	131	1942	4498	4049	-456	-359	12082	501	12583	1981	14564	50.19
19	5481	266	600	6347	144	1924	4605	3877	-432	-383	11909	430	12339	2027	14366	49.98
20	5517	269	591	6377	159	1986	4848	4731	-505	-398	12878	435	13313	2178	15491	49.83
21	5498	280	593	6371	166	1996	4962	4811	-555	-461	12908	317	13225	2186	15411	49.73
22	5520	220	597	6337	174	1944	4988	4562	-582	-532	12532	105	12637	2181	14818	49.82
23	5455	144	597	6196	179	1975	4891	5115	-609	-556	12959	62	13021	2183	15204	48.85
24	5471	144	602	6217	152	1965	4749	5125	-603	-553	12953	58	13011	2184	15195	49.81
MUs	130.27	6.33	14.01	150.61	3.02	45.67	112.60	120.41	-10.96	-8.77	311.26	11.98	323.24	47.34	370.58	49.91

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 01/Apr/2012

Position as on 6.30 Hrs of 02/Apr/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Koyna UNIT 6	75	10/03/2012	07.05		Continued.	Pressure Shaft work	02/04/2012
Chandrapur Unit 1	210	11/03/2012	08.48		Continued.	Annual Overhaul	07/04/2012
Cent_Sect NTPC(V-2)	210	01/04/2012	00:01		Continued.	AOH.	30/04/2012
FORCED OUTAGE							
Tata Trombay 4	150	14/02/2012	00.08		Continued.	Withdrawn/Cold Standby	
Cent_Sect TARAPUR-3	540	15/03/2012	22.13		Continued.	Primary coolant pump fail.	
CPP WPCL U-2	135	19/03/2012	03.21	01/04/2012	03.34	Precepitator & Gas Fillter Replacement Work.	
Parli Unit 3	210	23/03/2012	23.57		Continued.	Coal shortage.	
Bhusawal Unit 4	500	25/03/2012	17.37		Continued.	Gen.Protection.	
Bhusawal Unit 5	500	30/03/2012	04.34		Continued.	Hand Tripped	
Dabhol 1A	230	30/03/2012	23.29		Continued.	Gas Shortage	
Dabhol 1X	290	31/03/2012	19:43		Continued.	Maintenance work.	
Dabhol 1B	230	31/03/2012	19:45		Continued.	Maintenance work.	
Cent_Sect NTPC(K-4)	500	31/03/2012	23:18	01/04/2012	18:38	CWP Problem.	
Khaparkheda Unit 3	210	02/04/2012	04:03		Continued.	Boiler Tube Leakage.	05/04/2012

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Apr/2012

Position as on 6.30 Hrs of 02/Apr/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Wardha - Seoni	28/03/2012	09.37		Continued.	Balance work of terminating tower of 400KV Wardha-Warora D/C line.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	30/03/2012	23.35	01/04/2012	10:39	Over Voltage.
Kolhapur - Mapusa - I	01/04/2012	04.05		Continued.	Over Voltage
Dhule - S'Sarovar- II	01/04/2012	14:37		Continued.	Over Voltage.
Dhule-S'Sarovar I	01/04/2012	22:25		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV,500MVA ICT- II at Deepnagar.	10/01/2012	10.30		Continued.	Connection of L V Side Jumpers of ICT -I & II Span Stringing & Testing Work.
Kalwa - Padgha - I	28/03/2012	11.22		Continued.	Taken on TBC(up to 13.04.2012)
Karad-New Koyna II	29/03/2012	08.07		Continued.	Replacement of CVT and LA,Wave Trap Jumper repl.work takenup ready for charging at 22:04 hrs. on dt:01/04/2012.
50MVAR Line Reactor of Koradi - BSL at Koradi	31/03/2012	13.55		Continued.	Oil Filtration work
400/220KV 315MVA ICT- I @ Chandrapur	01/04/2012	03.45		Continued.	HV Breaker problem(HV side on TBC)
400/220 KV 600 MVA ICT- II @ Kalwa	01/04/2012	11:31	01/04/2012	12:15	CTR System work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 150 MVA ICT @ Bhandara	28/12/2011	13.57		Continued.	Replacement of ICT by 200MVA
Uran-Kharghar-II	15/02/2012	07.42		Continued.	Mumbai system strengthing work
Khargar-Topworth	15/02/2012	07.47		Continued.	Mumbai system strengthing work
Kharghar-TSS	18/02/2012	08.52		Continued.	Temporary Reconfigured as Uran-TSS at 20.30Hrs Dt.18/2/12
Uran - Kharghar - I	19/02/2012	07.50		Continued.	Mumbai System Strengthening Work.
Nasik-Bablsr - I	30/03/2012	08.50	02/04/2012	02:42	Diversion of Line due to Shirdi AirPort
Nasik-Bablsr - II	30/03/2012	08.50	02/04/2012	02:47	Diversion of Line due to Shirdi AirPort
Girawli - New Parly TPS	01/04/2012	08:29	01/04/2012	20:53	E/W Replacement work.
Mumewadi-Mudshingi	01/04/2012	10:34	01/04/2012	18:22	C T Replacement.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Malkapur - Khamgaon	31/03/2012	09.17	01/04/2012	19:15	Line Isolator replacement.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	16/02/2012	16.56		Continued.	Over Voltage.
Bhusawal- Aurangabad	31/03/2012	17.23	01/04/2012	10:04	Over Voltage.
Bhusawal- Aurangabad	01/04/2012	17:10	02/04/2012	06:43	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Parli - III	01/04/2012	12:41	01/04/2012	13:12	Distance Protection.
Voltage Level : 220KV			Outage Type TRIPPED		
Wadkhal-IPCL I	01/04/2012	04.52	01/04/2012	11:25	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 02/Apr/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	150
Unit 6	210	170
Unit 7	210	180
	620	500
Bhusawal		
Unit 2	210	180
Unit 3	210	190
Unit 4	500	
	920	370
Parli		
Unit 3	210	0
Unit 4	210	155
Unit 5	210	135
Unit 6	250	175
Unit 7	250	155
	1130	620
Chandrapur		
Unit 1	210	0
Unit 2	210	160
Unit 3	210	190
Unit 4	210	200
Unit 5	500	450
Unit 6	500	450
Unit 7	500	400
	2340	1850
Paras		
Unit 3	250	230
Unit 4	250	220
	500	450
Khaparkheda		
Unit 1	210	210
Unit 2	210	170
Unit 3	210	0
Unit 4	210	190
Unit 5	500	
	1340	570
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	200
	630	620
Uran		
All Units	852	600
	852	600
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	320
	1920	1090
Hydro		
KDPH	40	18
VTRNA	60	61
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	13
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	226
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	1045
WARDHA	405	382
Other CPPs	0	
	1005	1427
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	4952
	3455	4952

	17900	15652
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