



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Mar/2012

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	118.903	456.685	1) Gujrat	12.414	43.468
2) Hydro	5.968	26.382	2) Madhya Pradesh	19.232	77.706
3) Gas	10.450	40.534	3) Chattisgarh	11.160	46.360
Total MSGENCO	135.321	523.601	4) Maharashtra	56.485	213.904
B) OTHERS			5) Goa	-5.173	-21.866
1) JSW JAIGAD	25.755	109.143	6) TAPS 1&2 Injection	6.069	21.065
2) WPCL	7.270	29.526	7) RGPPL Injection	20.347	87.440
3) Other CPP / IPP	7.133	30.438	8) Pench (Excess)	-0.604	-2.328
4) Wind Generation	4.616	25.499	# Total Cent. Sector	119.930	465.749
5) PENCH (MS)	0.604	2.328	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-5.535	-19.713
1) TPCL Thermal	22.915	103.899	G) Bilateral Power *		
2) TPCL Hydro	0.000	9.403	1) MSEDCL Bilateral	40.786	165.213
TOTAL TPCL	22.915	113.302	Include PX	0.000	0.000
3) REL Thermal	12.252	49.781	2) MUMBAI Bilateral	7.872	34.197
D) STATE			Include PX	-2.644	-8.160
1) Thermal (A1+C1+C3)	154.070	610.365	3) MUMBAI Schedule	7.872	34.197
2) Hydro (A2+B5+C2)	6.572	38.113	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.450	40.534	1) MSEDCL	295.094	1166.571
4) Wind (B4)	4.616	25.499	2) TPCL	27.093	123.619
5) CPP (B1+B2+B3)	40.158	169.107	3) REL	13.609	59.173
TOTAL STATE	215.866	883.618	TOTAL STATE	335.796	1349.363

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	4951	4988	4917
MSGENCO Hydro	754	246	131
MSGENCO Gas	421	410	467
MSGENCO Total Generation	6126	5644	5515
Central Sector Receipt	5462	5752	4180
WIND	87	126	291
CPP / IPP	1853	1695	1528
Exchange with Mumbai	-364	-386	-31
MSEDCL DEMAND MET	13215	12878	11483
Load Shedding (LS)	1569	444	313
MSEDCL DEMAND (INCL. LS)	14784	13322	11796
TPCL GENERATION	1040	1080	817
REL GENERATION	527	526	454
TPCL+REL DEMAND	1931	1992	1302
STATE DEMAND MET	15146	14870	12785
Load Management (LM)	2245	3677	1968
Total Load Relief (LS+LM)	3814	4121	2281
UNRESTRICTED STATE DEMAND	18960	18991	15066
Frequency (Hz)	49.75	49.90	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.5 Hz at 18.02 Hrs	49.21 Hz at 22.03 Hrs	49.88	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 04/Mar/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.38	13.91	150	128	140
Unit 6	3.60	9.47	167	131	140
Unit 7	4.10	6.57	200	150	180
Total	11.07	29.96			460
Bhusawal					
Unit 2	0.00	3.66	0	0	0
Unit 3	4.09	16.48	180	160	180
Unit 4	0.00	1.34	0	0	
Total	4.09	21.49			180
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.08	16.86	189	132	164
Unit 5	3.75	15.42	169	140	144
Unit 6	4.72	18.78	229	175	180
Unit 7	4.61	17.32	224	161	200
Total	17.16	68.38			688
Chandrapur					
Unit 1	3.75	15.42	169	148	165
Unit 2	3.88	15.83	172	153	170
Unit 3	0.00	0.00	0	0	0
Unit 4	4.57	18.11	198	182	200
Unit 5	10.62	42.72	470	405	475
Unit 6	10.82	44.13	475	386	460
Unit 7	9.73	41.16	442	372	450
Total	43.38	177.37			1920
Paras					
Unit 3	6.07	23.07	262	240	250
Unit 4	5.84	14.75	253	237	250
Total	11.92	37.82			500
Khaparkheda					
Unit 1	5.06	19.98	215	200	210
Unit 2	4.47	17.76	190	180	200
Unit 3	2.00	4.27	204	0	0
Unit 4	5.26	21.03	224	210	210
Unit 5	0.00	0.00	0	0	
Total	16.79	63.04			620
Nasik					
Unit 3	5.16	20.40	220	210	210
Unit 4	4.65	19.14	205	175	210
Unit 5	4.68	19.09	205	182	210
Total	14.50	58.63			630
Uran					
All Units	10.45	40.53	472	410	480
Total	10.45	40.53			480
PENCH (MS)					
Pench (MS)	0.60	2.33	51	0	
Total	0.60	2.33			
Koyna					
Stage 1-2	1.80	8.31	305	40	600
Stage 4	0.02	0.24	22	0	250
Stage 3	0.26	2.33	134	0	320
Total	2.08	10.88			1170
Kovna 12&4 Total	1.82	8.56			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.47	2.81	20	19	36
VTRNA	0.00	0.00	0	0	0
TILLARI	0.26	1.35	60	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.09	0.51	41	0	78
RNGR+BHTSA	0.32	1.31	14	13	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.29	1.18	13	12	13
SMLHY PTN	0.89	3.23	38	37	0
GHATGHAR	1.57	5.11	250	0	0
Total	3.89	15.50			202
Wind					
MalharPeth	0.23	1.21			
Vankuswadi	0.31	1.76			
ATIT	0.07	0.65			
Kale	0.13	0.62			
Satara	0.50	3.07			
Shirala	0.21	0.70			
K Mahankal	0.35	1.19			
Supa	0.12	0.34			
Vita	0.80	3.74			
Dondaicha	1.37	8.60			
Sakri	0.18	1.20			
Nandurbar	0.20	1.01			
Khandke	0.13	0.76			
Khaparale	0.02	0.63			
Total	4.62	25.50			
CPP					
JSW JAIGAD	25.76	109.14	1214	974	995
WARDHA	7.27	29.53	329	260	315
Other CPPs	7.13	30.44			
Total	40.16	169.11			1310
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.80	41.26	503	278	500
Trombay 6	3.94	24.55	200	156	500
Trombay 7A	2.58	10.31	131	89	120
Trombay 7B	1.04	5.57	69	0	60
Trombay 8	5.55	22.21	251	177	250
TATA Hydro	0.00	9.40	0	0	447
Total	22.92	113.30			1877
REL					
1&2	12.25	49.78	528	454	500
Total	12.25	49.78			500
Cent Sect					
Share					4987
Total					4987

MS PG CL	Thermal	118.90	456.68		4998
	Thml+Gas	129.35	497.22		5478
	Hydro	5.97	26.38		1372
	Total	135.32	523.60		6850
State Total		215.87	883.62		15524

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/Mar/2012

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS													
1	4927	126	467	5520	169	1526	4509	5023	-310	-220	12018	2248	12174	1522	15788	49.83
2	4960	131	467	5558	215	1527	4449	4828	-245	-133	11995	2309	12258	1405	15709	49.92
3	4924	121	467	5512	274	1533	4438	4465	-209	-42	11742	2053	12042	1316	15111	49.93
4	4917	131	467	5515	291	1528	4427	4180	-194	-31	11483	2281	11796	1302	15066	49.95
5	4890	121	467	5478	298	1587	4423	4378	-184	-43	11698	2318	12051	1313	15329	49.78
6	4900	131	465	5496	304	1641	4391	4868	-187	-88	12234	2622	12787	1393	16249	49.85
7	4872	186	472	5530	295	1683	4623	4719	-211	-123	12147	3370	13411	1463	16980	49.98
8	5005	141	445	5591	266	1692	4643	5227	-241	-198	12598	3871	14077	1537	18006	49.91
9	4939	161	429	5529	250	1693	4658	5289	-277	-345	12436	3783	13858	1689	17908	49.81
10	4950	306	431	5687	206	1695	4699	5527	-326	-425	12711	3878	14281	1804	18393	49.77
11	4915	664	441	6020	174	1705	4796	5334	-440	-402	12882	3939	14599	1889	18710	49.70
12	4951	754	421	6126	87	1853	4781	5462	-440	-364	13215	3814	14784	1931	18960	49.75
13	4942	507	420	5869	67	1858	4768	5388	-440	-354	12879	3804	14437	1930	18613	49.85
14	4962	383	420	5765	56	1858	4767	5444	-440	-264	12910	3670	14386	1848	18428	49.97
15	4977	383	422	5782	65	1852	4693	5500	-366	-236	12986	3467	14440	1816	18269	49.94
16	5022	348	421	5791	70	1855	4678	5225	-342	-202	12742	3449	14302	1789	17980	49.93
17	5070	151	411	5632	81	1652	4639	4669	-337	-197	11837	3774	13302	1758	17369	50.03
18	4976	163	412	5551	95	1636	4624	4445	-316	-117	11610	3564	12417	1710	16884	50.15
19	4988	180	412	5580	99	1717	4769	5000	-343	-183	12250	4099	12740	1785	18134	50.04
20	4988	246	410	5644	126	1695	4999	5752	-408	-386	12878	4121	13322	1992	18991	49.90
21	5010	198	414	5622	217	1625	4980	5357	-408	-376	12492	4041	12880	1991	18524	49.79
22	4959	128	423	5510	255	1597	5011	5010	-440	-337	12081	3956	12409	1953	17990	49.80
23	4960	174	422	5556	319	1564	4720	4850	-435	-269	12067	3774	12360	1866	17707	49.69
24	4899	134	424	5457	337	1586	4557	3990	-334	-200	11203	3082	11423	1700	15985	49.81
MUs	118.90	5.97	10.45	135.32	4.62	40.16	112.04	119.93	-7.87	-5.54	295.09	81.29	316.54	40.70	417.08	49.88

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/Mar/2012

Position as on 6.30 Hrs of 05/Mar/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	12/11/2011	21.25		Continued.	Annual Overhaul.	04/03/2012
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	05/03/2012
Koyna Unit 7	80	03/03/2012	07.00		Continued.	Needle replacement	08/03/2012
FORCED OUTAGE							
Dabhol 3B	230	04/02/2012	23.43		Continued.	Gas Shortage	
Khaparkheda Unit 5	500	13/02/2012	22.18		Continued.	Low Vacuum.	
Tata Trombay 4	150	14/02/2012	00.08		Continued.	Withdrawn/Cold Standby	
Dabhol 3A	230	21/02/2012	21.58		Continued.	Gas shortage.	
Dabhol 3X	290	21/02/2012	21.58		Continued.	Gas shortage.	
Uran Unit 5	108	23/02/2012	11.35		Continued.	Gas Shortage	
Chandrapur Unit 3	210	26/02/2012	04.03		Continued.	Boiler Validity Extension	09/03/2012
Khaparkheda Unit 3	210	01/03/2012	11.56	04/03/2012	10.38	Boiler tube leakage.	
Bhusawal Unit 4	500	01/03/2012	21:48		Continued.	M S Temp.Low.	04/03/2012
CPP WPCL U-2	135	03/03/2012	04.13		Continued.	Withdrawn	
Cent_Sect NTPC(K-6)	500	03/03/2012	16.50		Continued.	Bottom Ash problem	
Tata Trombay 7B	60	04/03/2012	05.30	04/03/2012	12.30	Steam Turbine Problem	

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

Position as on 6.30 Hrs of 05/Mar/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Halkarni-Amona I	04/03/2012	10.10	04/03/2012	18.51	Insulator Replacement.
Borivali -Tarapur	04/03/2012	12.26	05/03/2012	04.38	Interconnection of 220 KV Tata -V Line with Existing Main Bus.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parly(PG) - Wardha (PG) - I	27/02/2012	08.31		Continued.	Due to outage on Wardha-Seoni ckt.
Dhule-Sar'Sarovar - I	28/02/2012	23.16		Continued.	Over Voltage.
Kolhapur - Mapusa - I	29/02/2012	17.01		Continued.	Over Voltage.
Seoni - Wardha	04/03/2012	05.14		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Solapur (PG)-South Solapur I	28/02/2012	21.59		Continued.	H/T.
Voltage Level : 220KV			Outage Type TRIPPED		
MUDSHINGI-CHIKODI	04/03/2012	05.33		Continued.	Distance Protection Z-I B Ph.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/11 KV 80 MVA Station T/F 4A @ Deepnagar	03/01/2012	10.15		Continued.	Replacement of H V Bushing.
400/ 21.75 KV 600 MVA GT IV @ Deepnagar	05/01/2012	10.40		Continued.	Replacement of Y & B Ph. Bushing.
400/220 KV,500MVA ICT-II at Deepnagar.	10/01/2012	10.30		Continued.	Connection of L V Side Jumpers of ICT -II & Ouan Span Stringing & Testing Work.
Kalwa-Kharghar	22/02/2012	10.30		Continued.	Taken on TBC,connection IPS tube.
Karad-Jaigad II	04/03/2012	10.03	04/03/2012	16.00	Cold Washing of Insulator.
400/220KV, 315MVA ICT-I @ New Koyana.	04/03/2012	10.51	04/03/2012	22.52	CTR Commissing 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 (Up to 29/2/12)
Uran-Kharghar-II	15/02/2012	07.42		Continued.	Mumbai system strengthening work
Khargar-Topworth	15/02/2012	07.47		Continued.	Mumbai system strengthening 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.
Kalwa - Khargar	21/02/2012	12.24		Continued.	Mumbai system strengthening work.
Boisor - Dahanu	04/03/2012	08.10	04/03/2012	16.54	IPS Tube Instalation.
Kalwa - Ghatghar	04/03/2012	09.28	04/03/2012	12.45	Insulator Replacement.
Main Bus @ Borivali	04/03/2012	12.26	05/03/2012	04.38	Interconnection of 220 KV Tata-V Line with Existing Main Bus.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Amravati - Achalpur	16/01/2012	10.10		Continued.	Breaker Problem(Ckt is on TBC)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	16/02/2012	16.56		Continued.	Over Voltage.
Karad - Kolhapur - II	03/03/2012	16.21	04/03/2012	11.29	Over voltage.
Bhusawal- Aurangabad	03/03/2012	16.32	04/03/2012	07.11	Over Voltage.
Karad - Kolhapur - I	04/03/2012	16.31		Continued.	Over Voltage.

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

Position as on 6.30 Hrs of 05/Mar/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	04/03/2012	17.32		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Bale-Murud	22/02/2012	22.00		Continued.	Due to Lamboti ICT loading.
Theur-Phursungi-I	01/03/2012	14.06		Continued.	Control the load of 400KV Lonikand and Jejuri.
Chandrapur - Warora	01/03/2012	18.54		Continued.	To control Warora-Wardha line loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	21/01/2012	03.36		Continued.	Buchholz Alarm Persisting
Koradi -Bhusawal	04/03/2012	14.38	04/03/2012	15.02	Distance Protection Z-I B Ph. to E.
Padgha - Nagothane- II	04/03/2012	14.39	05/03/2012	06.18	Distance Protection Z-I B Ph. to E.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100KV 200MVA ICT-III at Kalwa	03/04/2011	16.00		Continued.	Buchholz Trip, Diff. Prot. operated, PRV tripped(Failed).
Boisor-Versova	05/03/2012	05.47	05/03/2012	05.56	Distance Protection, Tripped from Boisor End Only.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/Mar/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	133
Unit 6	210	143
Unit 7	210	170
	620	446
Bhusawal		
Unit 2	210	0
Unit 3	210	180
Unit 4	500	
	920	180
Parli		
Unit 3	210	0
Unit 4	210	180
Unit 5	210	135
Unit 6	250	180
Unit 7	250	180
	1130	675
Chandrapur		
Unit 1	210	165
Unit 2	210	165
Unit 3	210	0
Unit 4	210	200
Unit 5	500	350
Unit 6	500	400
Unit 7	500	400
	2340	1680
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	210
Unit 2	210	200
Unit 3	210	210
Unit 4	210	210
Unit 5	500	
	1340	830
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	210
	630	630
Uran		
All Units	852	465
	852	465
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	20
VTRNA	60	0
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	0
BHIRA T.R.	80	41
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	12
SMLHY PTN	12	
GHATGHAR	250	
	611	147
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	310
Other CPPs	0	
	1005	1355
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	5065
	3455	5065

	17900	7 of 7	15440
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