



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

State Load Dispatch Center, Airoli

Daily system Report

for

11/Mar/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 11/Mar/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.584	1344.219	1) Gujrat	8.735	111.233
2) Hydro	6.661	68.033	2) Madhya Pradesh	16.826	202.439
3) Gas	15.670	125.928	3) Chattisgarh	9.980	121.160
Total MSGENCO	147.915	1538.180	4) Maharashtra	42.401	535.580
B) OTHERS			5) Goa	-6.375	-64.519
1) JSW JAIGAD	25.525	286.300	6) TAPS 1&2 Injection	7.272	68.197
2) WPCL	7.888	82.886	7) RGPPL Injection	26.333	256.143
3) Other CPP / IPP	7.900	83.622	8) Pench (Excess)	-0.062	-4.814
4) Wind Generation	7.751	78.626	# Total Cent. Sector	105.110	1225.419
5) PENCH (MS)	0.321	5.652	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-6.710	-61.994
1) TPCL Thermal	20.367	278.134	G) Bilateral Power *		
2) TPCL Hydro	0.008	25.848	1) MSEDCL Bilateral	43.062	435.592
TOTAL TPCL	20.375	303.982	Include PX	0.000	0.785
3) REL Thermal	12.449	135.438	2) MUMBAI Bilateral	7.213	96.658
D) STATE			Include PX	-3.295	-16.322
1) Thermal (A1+C1+C3)	158.400	1757.791	3) MUMBAI Schedule	7.213	96.658
2) Hydro (A2+B5+C2)	6.990	99.533	H) ENERGY CATERED (MUs)		
3) Gas (A3)	15.670	125.928	1) MSEDCL	295.700	3238.691
4) Wind (B4)	7.751	78.626	2) TPCL	26.525	339.099
5) CPP (B1+B2+B3)	41.313	452.808	3) REL	12.956	162.239
TOTAL STATE	230.124	2514.686	TOTAL STATE	335.181	3740.029

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	5266	5177	5306
MSGENCO Hydro	686	243	135
MSGENCO Gas	631	653	661
MSGENCO Total Generation	6583	6073	6102
Central Sector Receipt	4976	4415	3595
WIND	232	629	181
CPP / IPP	1879	1740	1612
Exchange with Mumbai	-385	-439	-198
MSEDCL DEMAND MET	13285	12469	11292
Load Shedding (LS)	894	0	0
MSEDCL DEMAND (INCL. LS)	14179	12469	11292
TPCL GENERATION	924	1015	633
REL GENERATION	527	528	456
TPCL+REL DEMAND	1836	1982	1287
STATE DEMAND MET	15121	14451	12579
Load Management (LM)	1964	3483	1678
Total Load Relief (LS+LM)	2858	3483	1678
UNRESTRICTED STATE DEMAND	17979	17934	14257
Frequency (Hz)	49.81	49.98	49.85

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.37 Hz at 17.04 Hrs	49.46 Hz at 08.41 Hrs	49.84	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 11/Mar/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.15	37.04	142	107	125
Unit 6	3.29	33.72	155	117	130
Unit 7	4.20	35.16	200	155	180
Total	10.65	105.93			435
Bhusawal					
Unit 2	4.06	29.94	180	155	170
Unit 3	4.40	46.22	185	175	180
Unit 4	0.00	6.60	0	0	
Total	8.46	82.76			350
Parli					
Unit 3	4.25	17.30	200	155	180
Unit 4	4.37	46.07	200	163	180
Unit 5	3.35	41.80	160	123	130
Unit 6	3.95	48.84	190	78	175
Unit 7	0.00	27.78	0	0	0
Total	15.92	181.79			665
Chandrapur					
Unit 1	1.43	40.24	168	0	165
Unit 2	3.94	43.56	168	159	170
Unit 3	4.42	26.66	192	160	195
Unit 4	4.76	50.93	205	188	210
Unit 5	10.66	118.60	475	390	475
Unit 6	9.97	117.95	480	0	470
Unit 7	10.48	109.15	467	345	460
Total	45.66	507.10			2145
Paras					
Unit 3	5.45	60.62	249	195	220
Unit 4	5.42	50.34	250	171	200
Total	10.87	110.95			420
Khaparkheda					
Unit 1	4.90	54.12	220	185	210
Unit 2	4.57	48.68	195	185	210
Unit 3	5.17	39.78	223	194	210
Unit 4	5.29	57.47	223	217	210
Unit 5	0.00	0.00	0	0	
Total	19.94	200.04			840
Nasik					
Unit 3	5.08	55.32	220	180	210
Unit 4	4.50	49.85	198	176	190
Unit 5	4.51	50.48	198	176	195
Total	14.08	155.65			595
Uran					
All Units	15.67	125.93	675	615	480
Total	15.67	125.93			480
PENCH (MS)					
Pench (MS)	0.32	5.65	51	0	
Total	0.32	5.65			
Koyna					
Stage 1-2	1.46	17.74	275	40	440
Stage 4	0.13	0.38	50	0	250
Stage 3	0.80	5.12	160	0	320
Total	2.39	23.23			1010
Kovna 12&4 Total	1.59	18.12			690

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.77	7.33	39	20	20
VTRNA	0.00	0.40	0	0	60
TILLARI	0.38	3.67	60	0	60
BHTGR/VEER	0.11	0.32	5	4	2
BHIRA T.R.	0.10	1.24	40	0	40
RNGR+BHTSA	0.33	3.60	14	13	14
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.29	3.20	12	11	12
SMLHY PTN	1.08	10.44	45	45	0
GHATGHAR	1.21	14.60	250	0	0
Total	4.27	44.80			208
Wind					
MalharPeth	0.38	3.46			
Vankuswadi	0.45	4.95			
ATIT	0.24	1.60			
Kale	0.21	2.11			
Satara	0.64	7.93			
Shirala	0.20	2.63			
K Mahankal	0.26	3.88			
Supa	0.14	1.31			
Vita	0.76	11.12			
Dondaicha	3.27	28.13			
Sakri	0.27	3.43			
Nandurbar	0.22	3.00			
Khandke	0.40	2.78			
Khaparale	0.31	2.30			
Total	7.75	78.63			
CPP					
JSW JAIGAD	25.52	286.30	1205	975	1095
WARDHA	7.89	82.89	356	306	360
Other CPPs	7.90	83.62			
Total	41.31	452.81			1455
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.59	109.49	501	284	500
Trombay 6	3.86	63.10	178	155	500
Trombay 7A	1.07	29.45	131	0	0
Trombay 7B	0.25	15.71	69	0	0
Trombay 8	5.60	60.38	252	184	250
TATA Hydro	0.01	25.85	8	0	447
Total	20.38	303.98			1697
REL					
1&2	12.45	135.44	529	455	500
Total	12.45	135.44			500
Cent Sect					
Share					5183
Total					5183

MS PG CL	Thermal	125.58	1344.22			5450
	Thml+Gas	141.25	1470.15			5930
	Hydro	6.66	68.03			1218
	Total	147.92	1538.18			7148
State Total		230.12	2514.69			15983

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 11/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	5316	140	661	6117	129	1697	4528	4162	-294	-206	11899	1904	11899	1514	15317	49.75
2	5329	135	662	6126	149	1690	3965	3854	-233	-189	11630	1858	11630	1381	14869	49.75
3	5335	140	664	6139	196	1613	3904	3665	-186	-229	11384	1552	11384	1323	14259	49.79
4	5306	135	661	6102	181	1612	3875	3595	-164	-198	11292	1678	11292	1287	14257	49.85
5	5355	145	667	6167	184	1611	3852	3712	-128	-190	11484	1735	11484	1280	14499	49.77
6	5418	140	671	6229	178	1656	4408	4214	-132	-112	12167	1817	12167	1338	15322	49.75
7	5422	135	673	6230	165	1751	4618	4570	-154	-55	12671	1972	12810	1380	16023	49.77
8	5504	135	675	6314	169	1782	4660	4905	-196	-61	13112	2782	13766	1491	17385	49.83
9	5510	180	671	6361	147	1836	4757	4816	-260	-171	12989	2917	13750	1607	17513	49.80
10	5300	400	666	6366	191	1905	4914	5170	-323	-306	13326	2723	13972	1753	17802	49.90
11	5219	613	643	6475	260	1885	4979	5036	-368	-369	13287	2701	14029	1821	17809	49.74
12	5266	686	631	6583	232	1879	4998	4976	-390	-385	13285	2858	14179	1836	17979	49.81
13	5331	471	622	6424	189	1887	4984	4788	-389	-426	12862	2944	13841	1882	17688	49.78
14	5300	403	615	6318	223	1790	4963	4690	-368	-364	12657	2506	13287	1803	16966	49.86
15	5229	595	626	6450	266	1756	4865	4587	-323	-330	12749	1694	12749	1741	16184	49.93
16	5245	626	630	6501	301	1670	4678	4850	-307	-386	12961	1714	12961	1688	16363	49.81
17	5113	234	640	5987	433	1659	4637	4568	-265	-344	12328	2138	12328	1669	16135	49.89
18	5230	187	645	6062	409	1662	4533	3744	-275	-394	11486	2638	11486	1692	15816	50.09
19	5242	212	656	6110	368	1662	4705	4028	-355	-395	11806	3431	11806	1771	17008	49.95
20	5177	243	653	6073	629	1740	5044	4415	-440	-439	12469	3483	12469	1982	17934	49.98
21	5220	231	662	6113	928	1685	5075	4010	-440	-324	12463	3479	12463	1929	17871	49.85
22	4831	154	667	5652	726	1663	4975	4006	-440	-292	11806	3474	11806	1891	17171	49.92
23	4693	154	652	5499	569	1613	4638	4363	-440	-311	11760	3333	11760	1810	16903	49.75
24	4693	167	657	5517	529	1609	4435	4386	-344	-234	11827	2749	11827	1665	16241	49.81
MUs	125.58	6.66	15.67	147.92	7.75	41.31	110.99	105.11	-7.21	-6.71	295.70	60.08	301.14	39.53	395.31	49.84

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 11/Mar/2012

Position as on 6.30 Hrs of 12/Mar/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	12/03/2012
Koyna UNIT 6	75	10/03/2012	07.05		Continued.	Pressure Shaft work	28/03/2012
Koyna Unit 5	80	10/03/2012	07.10		Continued.	Pressure Shaft work	28/03/2012
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	
CPP WPCL U-2	135	03/03/2012	04.13	12/03/2012	06.40	Withdrawn	
Cent_Sect NTPC(K-6)	500	03/03/2012	16.50		Continued.	Bottom Ash problem	
Cent_Sect NTPC(V-7)	500	06/03/2012	04.53		Continued.	Generator Protection Operated.	
Bhusawal Unit 4	500	07/03/2012	18.58		Continued.	Hand tripped.	
Parli Unit 7	250	08/03/2012	10.51		Continued.	Coal Shortage	13/03/2012
Tata Trombay 7B	60	11/03/2012	00.50	11/03/2012	20.22	Offline Compressor cleaning work	
Tata Trombay 7A	120	11/03/2012	01.20	11/03/2012	15.50	Offline Compressor cleaning work	
Chandrapur Unit 1	210	11/03/2012	08.48		Continued.	Generator protection operated.	
Chandrapur Unit 6	500	11/03/2012	21.22	12/03/2012	03.02	Drum level low.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Mar/2012

Position as on 6.30 Hrs of 12/Mar/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Akola - Aurangabad - I	09/03/2012	09.53		Continued.	Line Crossing of 765KV Akola-A'bad-I
Akola - Aurangabad - II	09/03/2012	10.11		Continued.	Line Crossing of 765KV Akola-A'bad-I
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tillari-Amona-II	11/03/2012	08.50	11/03/2012	18.58	R.M.Work.
Halkarni-Amona I	11/03/2012	08.55	11/03/2012	18.55	R.M.Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - I	07/03/2012	22.01		Continued.	Over Voltage.
Seoni-Wardha-1	08/03/2012	08.30		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	10/03/2012	16.32		Continued.	Over Voltage
Kolhapur - Mapusa - II	10/03/2012	17.00	11/03/2012	08.43	Over Voltage
Dhule - S'Sarovar- II	11/03/2012	00.15	11/03/2012	07.19	Over Voltage
Kolhapur - Mapusa - I	11/03/2012	20.57		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Solapur (PG)-South Solapur I	28/02/2012	21.59		Continued.	H/T.After Test Charge.
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.
Main Bus - I @ Talandge	05/03/2012	14.11		Continued.	Erection of A Bus.
400/220KV 315 MVA ICT-II at Korady	09/03/2012	09.40		Continued.	Oil Filtration 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 30-03-2012)
Uran-Kharghar-II	15/02/2012	07.42		Continued.	Mumbai system strengthing work
Kharghar-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.
Kalwa - Kharghar	21/02/2012	12.24		Continued.	Mumbai system strengthing work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	16/02/2012	16.56		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	11/03/2012	01.50	11/03/2012	09.06	Over Voltage
Karad - Kolhapur - I	11/03/2012	16.25		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	11/03/2012	21.52		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	01/03/2012	18.54		Continued.	To control Warora-Wardha line loading.
Voltage Level : 400KV			Outage Type TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Mar/2012

Position as on 6.30 Hrs of 12/Mar/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
400/220 KV 100 MVA Spare Unit @ Koradi	21/01/2012	03.36		Continued.	Buchholz Alarm Persisting
400/220KV 315MVA ICT-II @ New Koyna	10/03/2012	13.12		Continued.	Buchloz Relay.
Chandrapur - Parli - I	11/03/2012	05.49	11/03/2012	06.49	Distance Protection
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).
Chalisgaon-Bhusawal	11/03/2012	12.27	11/03/2012	12.37	Distance Protection.
Trombay Sonkhar	12/03/2012	00.44	12/03/2012	01.05	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 12/Mar/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	140
Unit 7	210	160
	620	430
Bhusawal		
Unit 2	210	170
Unit 3	210	180
Unit 4	500	
	920	350
Parli		
Unit 3	210	190
Unit 4	210	170
Unit 5	210	175
Unit 6	250	170
Unit 7	250	0
	1130	705
Chandrapur		
Unit 1	210	0
Unit 2	210	165
Unit 3	210	155
Unit 4	210	205
Unit 5	500	425
Unit 6	500	400
Unit 7	500	450
	2340	1800
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	210
Unit 2	210	210
Unit 3	210	210
Unit 4	210	210
Unit 5	500	
	1340	840
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	210
	630	630
Uran		
All Units	852	630
	852	630
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	440
Stage 4	1000	250
Stage 3	320	320
	1920	1010
Hydro		
KDPH	40	38
VTRNA	60	0
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	5
BHIRA T.R.	80	40
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	12
SMLHY PTN	12	
GHATGHAR	250	
	611	169
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	1095
WARDHA	405	360
Other CPPs	0	
	1005	1455
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	5060
	3455	5060

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