



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

State Load Dispatch Center, Airoli

Daily system Report

for

10/Mar/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 10/Mar/2012 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	127.480	1218.635	1) Gujrat	10.008	102.498
2) Hydro	6.492	61.372	2) Madhya Pradesh	18.004	185.613
3) Gas	12.303	110.258	3) Chattisgarh	10.340	111.180
Total MSGENCO	146.275	1390.265	4) Maharashtra	40.766	493.179
B) OTHERS			5) Goa	-6.424	-58.144
1) JSW JAIGAD	26.506	260.775	6) TAPS 1&2 Injection	7.012	60.925
2) WPCL	8.105	74.998	7) RGPPL Injection	27.205	229.810
3) Other CPP / IPP	7.122	75.722	8) Pench (Excess)	-0.091	-4.752
4) Wind Generation	4.153	70.875	# Total Cent. Sector	106.820	1120.309
5) PENCH (MS)	0.397	5.331	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-4.477	-55.284
1) TPCL Thermal	24.476	257.767	G) Bilateral Power *		
2) TPCL Hydro	3.205	25.840	1) MSEDCL Bilateral	43.782	392.530
TOTAL TPCL	27.681	283.607	Include PX	0.000	0.785
3) REL Thermal	12.290	122.989	2) MUMBAI Bilateral	7.988	89.445
D) STATE			Include PX	-2.466	-13.027
1) Thermal (A1+C1+C3)	164.246	1599.391	3) MUMBAI Schedule	7.988	89.445
2) Hydro (A2+B5+C2)	10.094	92.543	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.303	110.258	1) MSEDCL	294.901	2942.991
4) Wind (B4)	4.153	70.875	2) TPCL	30.087	312.574
5) CPP (B1+B2+B3)	41.733	411.495	3) REL	14.361	149.283
TOTAL STATE	232.529	2284.562	TOTAL STATE	339.349	3404.848

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5291	5363	5190
MSGENCO Hydro	528	225	132
MSGENCO Gas	455	613	479
MSGENCO Total Generation	6274	6201	5801
Central Sector Receipt	5019	4886	3515
WIND	226	142	169
CPP / IPP	1862	1848	1580
Exchange with Mumbai	-245	-317	-27
MSEDCL DEMAND MET	13161	12807	11038
Load Shedding (LS)	856	2	3
MSEDCL DEMAND (INCL. LS)	14017	12809	11041
TPCL GENERATION	1477	1396	832
REL GENERATION	528	527	455
TPCL+REL DEMAND	2250	2240	1314
STATE DEMAND MET	15411	15047	12352
Load Management (LM)	1974	3276	1499
Total Load Relief (LS+LM)	2830	3278	1502
UNRESTRICTED STATE DEMAND	18241	18325	13854
Frequency (Hz)	49.69	49.77	49.90

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 18.01 Hrs	49.34 Hz at 23.18 Hrs	49.8	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 10/Mar/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.31	33.89	167	118	153
Unit 6	3.34	30.43	158	110	146
Unit 7	4.03	30.96	185	145	178
Total	10.68	95.28			477
Bhusawal					
Unit 2	4.04	25.88	180	160	170
Unit 3	4.06	41.82	180	155	180
Unit 4	0.00	6.60	0	0	
Total	8.10	74.30			350
Parli					
Unit 3	4.17	13.05	186	163	144
Unit 4	4.30	41.70	189	169	180
Unit 5	3.90	38.45	172	129	160
Unit 6	4.56	44.89	220	167	200
Unit 7	0.00	27.78	0	0	0
Total	16.93	165.87			684
Chandrapur					
Unit 1	3.97	38.81	170	158	170
Unit 2	4.00	39.62	172	160	170
Unit 3	4.00	22.24	195	139	150
Unit 4	4.56	46.17	204	156	200
Unit 5	11.10	107.94	475	440	450
Unit 6	10.99	107.98	477	430	450
Unit 7	10.64	98.67	466	410	450
Total	49.25	461.43			2040
Paras					
Unit 3	5.00	55.16	250	130	250
Unit 4	4.94	44.92	236	166	230
Total	9.95	100.09			480
Khaparkheda					
Unit 1	4.77	49.22	215	165	210
Unit 2	4.28	44.11	200	165	210
Unit 3	4.92	34.60	220	193	210
Unit 4	5.10	52.18	223	178	210
Unit 5	0.00	0.00	0	0	
Total	19.07	180.10			840
Nasik					
Unit 3	4.82	50.24	220	175	192
Unit 4	4.31	45.35	198	152	192
Unit 5	4.38	45.97	199	160	192
Total	13.50	141.56			576
Uran					
All Units	12.30	110.26	656	452	480
Total	12.30	110.26			480
PENCH (MS)					
Pench (MS)	0.40	5.33	47	0	
Total	0.40	5.33			
Koyna					
Stage 1-2	1.34	16.28	125	35	600
Stage 4	0.00	0.24	0	0	250
Stage 3	0.08	4.31	42	0	320
Total	1.42	20.84			1170
Kovna 12&4 Total	1.34	16.52			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.47	6.56	20	19	20
VTRNA	0.00	0.40	0	0	60
TILLARI	0.38	3.29	60	0	60
BHTGR/VEER	0.08	0.21	4	3	3
BHIRA T.R.	0.14	1.14	40	0	40
RNGR+BHTSA	0.33	3.28	14	13	13
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.29	2.91	13	11	12
SMLHY PTN	1.08	9.36	45	45	0
GHATGHAR	2.31	13.39	250	0	0
Total	5.07	40.53			208
Wind					
MalharPeth	0.24	3.08			
Vankuswadi	0.35	4.49			
ATIT	0.08	1.36			
Kale	0.16	1.91			
Satara	0.45	7.28			
Shirala	0.18	2.44			
K Mahankal	0.36	3.62			
Supa	0.14	1.16			
Vita	0.67	10.36			
Dondaicha	1.00	24.86			
Sakri	0.04	3.16			
Nandurbar	0.09	2.78			
Khandke	0.28	2.38			
Khaparale	0.12	1.98			
Total	4.15	70.88			
CPP					
JSW JAIGAD	26.51	260.78	1221	970	1095
WARDHA	8.10	75.00	360	305	357
Other CPPs	7.12	75.72			
Total	41.73	411.50			1452
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.85	99.90	503	290	500
Trombay 6	4.41	59.24	242	155	500
Trombay 7A	3.03	28.38	131	121	120
Trombay 7B	1.65	15.46	70	68	60
Trombay 8	5.54	54.79	252	180	250
TATA Hydro	3.20	25.84	320	0	447
Total	27.68	283.61			1877
REL					
1&2	12.29	122.99	530	454	500
Total	12.29	122.99			500
Cent Sect					
Share					5166
Total					5166

MS PG CL	Thermal	127.48	1218.64			5447
	Thml+Gas	139.78	1328.89			5927
	Hydro	6.49	61.37			1378
	Total	146.28	1390.26			7305
State Total		232.53	2284.56			16300

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 10/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	5320	132	478	5930	138	1560	4589	4065	-297	-180	11513	1862	11514	1515	14890	49.80
2	5211	132	480	5823	153	1579	4521	3908	-217	-106	11357	1820	11360	1387	14564	49.86
3	5190	132	479	5801	169	1580	4065	3515	-186	-27	11038	1502	11041	1314	13854	49.90
4	5175	143	479	5797	188	1579	4041	3368	-175	7	10939	1666	10942	1280	13885	49.92
5	5177	138	486	5801	199	1563	4062	3492	-177	6	11061	1726	11064	1278	14065	49.83
6	5352	133	480	5965	244	1673	4440	4089	-150	-24	11947	1835	11965	1340	15122	49.65
7	5365	143	465	5973	310	1735	4739	4482	-228	-30	12487	1865	12535	1447	15799	49.73
8	5395	201	491	6087	319	1764	4806	4870	-277	-5	13060	2450	13415	1570	17080	49.76
9	5368	405	494	6267	316	1708	4847	4649	-321	-51	12914	2372	13237	1775	17061	49.76
10	5369	517	486	6372	293	1738	4983	4942	-379	-174	13191	2270	13503	2042	17503	49.74
11	5362	547	485	6394	289	1824	5019	5003	-435	-247	13288	2557	13897	2206	18051	49.74
12	5291	528	455	6274	226	1862	5012	5019	-430	-245	13161	2830	14017	2250	18241	49.69
13	5298	408	478	6184	112	1878	5000	5081	-430	-273	12992	2841	13859	2240	18073	49.76
14	5273	383	461	6117	70	1879	4958	5003	-387	-237	12849	2747	13668	2161	17757	49.81
15	5198	454	453	6105	56	1829	4910	5010	-366	-249	12768	2494	13491	2167	17429	49.75
16	5292	460	452	6204	74	1875	4832	4985	-381	-218	12923	2456	13661	2136	17515	49.75
17	5334	400	458	6192	87	1763	4811	4400	-354	-204	12238	2609	12757	2130	16977	49.88
18	5400	164	478	6042	84	1767	4580	4257	-317	-469	11681	2531	11721	2108	16320	49.93
19	5389	188	580	6157	100	1883	4751	4039	-372	-370	11839	3225	11842	2135	17199	49.95
20	5363	225	613	6201	142	1848	5091	4886	-450	-317	12807	3278	12809	2240	18325	49.77
21	5396	240	617	6253	189	1742	4942	4757	-440	-327	12661	3278	12663	2140	18079	49.69
22	5371	140	656	6167	147	1729	4930	4383	-440	-264	12209	3278	12211	2003	17490	49.94
23	5302	135	645	6082	134	1686	4642	4206	-440	-262	11869	3138	11871	1867	16874	49.76
24	5289	144	654	6087	114	1689	4428	4411	-339	-211	12109	2570	12110	1717	16396	49.73
MUs	127.48	6.49	12.30	146.28	4.15	41.73	113.00	106.82	-7.99	-4.48	294.90	59.20	301.15	44.45	398.55	49.80

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 10/Mar/2012

Position as on 6.30 Hrs of 11/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
Uran Unit 7	108	10/03/2012	00.16	10/03/2012	16.29	Filter Replacement	
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 Vaccum.	
Tata Trombay 4	150	14/02/2012	00.08		Continued.	Withdrawn/Cold Standby	
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.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Mar/2012

Position as on 6.30 Hrs of 11/Mar/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		
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	10/03/2012	08.07	10/03/2012	18.45	Replacement of Old Insulator
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		
Kolhapur - Mapusa - I	07/03/2012	18.04	10/03/2012	10.17	Over Voltage.
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	09/03/2012	16.35	10/03/2012	07.13	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.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol - NewKoyna - II	10/03/2012	04.00	10/03/2012	08.25	Over Voltage
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
400/220KV 105 MVA Spare ICT at Parly II	10/03/2012	09.42	10/03/2012	11.10	Winching of New 167 MVA ICT Units on Rail Track
400/132KV 200 MVA ICT-II @ Bhusawal	10/03/2012	11.10	10/03/2012	20.38	IPS Tube Bus Section Isolator trials and Alignment 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
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.
Kalwa - Khargar	21/02/2012	12.24		Continued.	Mumbai system strengthing work.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Mar/2012

Position as on 6.30 Hrs of 11/Mar/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Inter Connector @ Kalwa	09/03/2012	08.15	10/03/2012	20.44	Replacement of 29C Isolator
Pedambe - Mahad	10/03/2012	07.45	10/03/2012	18.25	Bay maint.work
Karad-Pophali	10/03/2012	10.10	10/03/2012	19.05	Replacement of Old Disc Insulator
220/132KV, 200MVA ICT-I at Khadka	10/03/2012	10.19	10/03/2012	14.43	Oil Leakage in OSR and Neutral Bushing
Phursungi - Jejuri	10/03/2012	11.01	10/03/2012	15.59	Red Hot Spot
Vasai - Bhoisor (PGCIL)	10/03/2012	11.45	10/03/2012	16.15	Monkey petrolling Loc.84 to 87
Miraj - Kadegaon	10/03/2012	12.00	10/03/2012	13.48	Confirmation of A/R operations
Badnera - Deoli (PGCIL)	10/03/2012	12.38	10/03/2012	14.35	Hot Spot
Kalwa-Mulund II	10/03/2012	14.24	10/03/2012	16.56	Tan Delta measurement
220/132 KV 200 MVA ICT - II @ Bhusawal	10/03/2012	14.50	10/03/2012	16.41	Oil Leakage in OSR and Neutral Bushing
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	16/02/2012	16.56		Continued.	Over Voltage.
Bableshwar-Aurangabad	09/03/2012	21.56	10/03/2012	06.08	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.
Kalwa-Temghar	09/03/2012	08.10	10/03/2012	21.03	Outage on Interconnector at Kalwa
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	21/01/2012	03.36		Continued.	Buchholz Alarm Persisting
Karad - Kolhapur - I	09/03/2012	07.40	10/03/2012	09.23	Distance Protection(Ready for charging from 16.50Hrs)
400/220KV 315MVA ICT-II @ New Koyna	09/03/2012	20.08	10/03/2012	08.38	Buchholz Alarm
Jejuri-Koyna STG-IV	10/03/2012	04.02	10/03/2012	06.45	Over Voltage
New Koyna - Koyna Stage IV - II	10/03/2012	04.02	10/03/2012	07.50	Over Voltage
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).
Momewadi -Halkarni	10/03/2012	10.38	10/03/2012	10.52	Distance Protection
Chalishaon-Bhusawal	11/03/2012	12.27	11/03/2012	12.37	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Chalishaon-Pimperkhed	10/03/2012	19.29	10/03/2012	19.56	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 11/Mar/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	125
Unit 6	210	130
Unit 7	210	180
	620	435
Bhusawal		
Unit 2	210	170
Unit 3	210	180
Unit 4	500	
	920	350
Parli		
Unit 3	210	180
Unit 4	210	180
Unit 5	210	130
Unit 6	250	175
Unit 7	250	0
	1130	665
Chandrapur		
Unit 1	210	165
Unit 2	210	170
Unit 3	210	195
Unit 4	210	210
Unit 5	500	475
Unit 6	500	470
Unit 7	500	460
	2340	2145
Paras		
Unit 3	250	220
Unit 4	250	200
	500	420
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	190
Unit 5	210	195
	630	595
Uran		
All Units	852	480
	852	480
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	20
VTRNA	60	60
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	2
BHIRA T.R.	80	40
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	12
SMLHY PTN	12	0
GHATGHAR	250	0
	611	208
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	0
Trombay 7B	60	0
Trombay 8	250	250
TATA Hydro	444	447
	2024	1697
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5183
	3455	5183