



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

State Load Dispatch Center, Airoli

Daily system Report

for

09/Mar/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 09/Mar/2012 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.141	1091.155	1) Gujrat	10.070	92.490
2) Hydro	5.460	54.880	2) Madhya Pradesh	17.209	167.609
3) Gas	11.866	97.955	3) Chattisgarh	10.960	100.840
Total MSGENCO	142.467	1243.990	4) Maharashtra	39.188	452.413
B) OTHERS			5) Goa	-5.086	-51.720
1) JSW JAIGAD	26.182	234.269	6) TAPS 1&2 Injection	6.906	53.913
2) WPCL	7.588	66.893	7) RGPPL Injection	23.106	202.605
3) Other CPP / IPP	6.601	68.600	8) Pench (Excess)	-0.092	-4.661
4) Wind Generation	2.234	66.722	# Total Cent. Sector	102.261	1013.489
5) PENCH (MS)	0.365	4.934	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-5.411	-50.807
1) TPCL Thermal	26.064	233.291	G) Bilateral Power *		
2) TPCL Hydro	3.251	22.635	1) MSEDCL Bilateral	40.697	348.748
TOTAL TPCL	29.315	255.926	Include PX	0.000	0.785
3) REL Thermal	12.194	110.699	2) MUMBAI Bilateral	9.752	81.457
D) STATE			Include PX	-0.338	-10.561
1) Thermal (A1+C1+C3)	163.399	1435.145	3) MUMBAI Schedule	9.752	81.457
2) Hydro (A2+B5+C2)	9.076	82.449	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.866	97.955	1) MSEDCL	282.287	2648.090
4) Wind (B4)	2.234	66.722	2) TPCL	31.923	282.487
5) CPP (B1+B2+B3)	40.371	369.762	3) REL	14.995	134.922
TOTAL STATE	226.946	2052.033	TOTAL STATE	329.205	3065.499

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	5370	5452	4622
MSGENCO Hydro	690	406	129
MSGENCO Gas	549	516	505
MSGENCO Total Generation	6609	6374	5256
Central Sector Receipt	4523	4799	3778
WIND	20	46	143
CPP / IPP	1849	1756	1369
Exchange with Mumbai	-270	-335	-3
MSEDCL DEMAND MET	12764	12687	10543
Load Shedding (LS)	680	0	0
MSEDCL DEMAND (INCL. LS)	13444	12687	10543
TPCL GENERATION	1676	1458	823
REL GENERATION	529	526	456
TPCL+REL DEMAND	2475	2319	1282
STATE DEMAND MET	15239	15006	11825
Load Management (LM)	1948	3203	0
Total Load Relief (LS+LM)	2628	3203	0
UNRESTRICTED STATE DEMAND	17867	18209	11825
Frequency (Hz)	49.91	49.92	50.05

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.44 Hz at 18:16 Hrs	49.5 Hz at 22:32 Hrs	49.95	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 09/Mar/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.30	30.58	161	100	122
Unit 6	3.71	27.09	166	140	158
Unit 7	4.38	26.93	200	170	190
Total	11.39	84.60			470
Bhusawal					
Unit 2	4.18	21.84	185	160	170
Unit 3	4.39	37.76	195	160	180
Unit 4	0.00	6.60	0	0	0
Total	8.57	66.20			350
Parli					
Unit 3	0.85	8.88	149	0	0
Unit 4	4.18	37.40	186	152	175
Unit 5	3.94	34.55	172	143	165
Unit 6	4.86	40.33	252	171	170
Unit 7	0.00	27.78	0	0	0
Total	13.83	148.94			510
Chandrapur					
Unit 1	3.98	34.84	170	163	165
Unit 2	3.91	35.63	171	137	170
Unit 3	4.47	18.24	200	156	190
Unit 4	4.70	41.61	207	176	200
Unit 5	10.75	96.84	485	360	475
Unit 6	10.58	96.99	480	350	465
Unit 7	9.63	88.03	442	320	450
Total	48.01	412.18			2115
Paras					
Unit 3	5.53	50.16	250	179	250
Unit 4	5.29	39.98	250	181	250
Total	10.81	90.14			500
Khaparkheda					
Unit 1	4.86	44.44	215	170	210
Unit 2	4.19	39.83	187	155	210
Unit 3	5.04	29.68	223	201	210
Unit 4	4.93	47.08	220	181	210
Unit 5	0.00	0.00	0	0	0
Total	19.02	161.03			840
Nasik					
Unit 3	4.84	45.42	220	175	210
Unit 4	4.15	41.04	196	150	210
Unit 5	4.50	41.59	203	170	210
Total	13.50	128.06			630
Uran					
All Units	11.87	97.96	554	445	480
Total	11.87	97.96			480
PENCH (MS)					
Pench (MS)	0.36	4.93	47	0	0
Total	0.36	4.93			0
Koyna					
Stage 1-2	1.64	14.94	345	40	600
Stage 4	0.00	0.24	0	0	250
Stage 3	0.46	4.24	160	0	320
Total	2.10	19.42			1170
Kovna 12&4 Total	1.64	15.18			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.47	6.09	20	19	20
VTRNA	0.40	0.40	61	0	0
TILLARI	0.36	2.91	60	0	60
BHTGR/VEER	0.05	0.13	3	2	3
BHIRA T.R.	0.06	1.00	40	0	60
RNGR+BHTSA	0.33	2.95	14	13	14
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.29	2.62	12	12	12
SMLHY PTN	0.78	8.28	33	32	0
GHATGHAR	0.63	11.08	180	0	0
Total	3.36	35.46			169
Wind					
MalharPeth	0.11	2.84			
Vankuswadi	0.23	4.15			
ATIT	0.02	1.28			
Kale	0.06	1.75			
Satara	0.35	6.83			
Shirala	0.05	2.26			
K Mahankal	0.02	3.27			
Supa	0.19	1.02			
Vita	0.38	9.69			
Dondaicha	0.35	23.85			
Sakri	0.05	3.12			
Nandurbar	0.06	2.69			
Khandke	0.31	2.10			
Khaparale	0.06	1.87			
Total	2.23	66.72			
CPP					
JSW JAIGAD	26.18	234.27	1216	865	1095
WARDHA	7.59	66.89	360	229	357
Other CPPs	6.60	68.60			
Total	40.37	369.76			1452
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.20	90.05	502	286	500
Trombay 6	5.65	54.83	426	155	500
Trombay 7A	3.06	25.36	130	123	120
Trombay 7B	1.66	13.80	70	68	60
Trombay 8	5.50	49.25	252	180	250
TATA Hydro	3.25	22.64	328	0	447
Total	29.32	255.93			1877
REL					
1&2	12.19	110.70	529	455	500
Total	12.19	110.70			500
Cent Sect					
Share					4652
Total					4652

MS PG CL	Thermal	125.14	1091.16			5415
	Thml+Gas	137.01	1189.11			5895
	Hydro	5.46	54.88			1339
	Total	142.47	1243.99			7234
State Total		226.95	2052.03			15715

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 09/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	5026	129	445	5600	200	1480	3919	3670	-379	-159	10791	0	10791	1434	12225	50.04
2	4683	119	505	5307	188	1355	3919	3852	-356	-62	10640	0	10640	1337	11977	49.95
3	4622	129	505	5256	143	1369	3919	3778	-348	-3	10543	0	10543	1282	11825	50.05
4	4669	119	505	5293	142	1366	3919	3775	-348	21	10597	0	10597	1257	11854	50.05
5	4676	119	505	5300	148	1401	3919	3840	-359	-6	10683	224	10683	1287	12194	49.91
6	5055	124	505	5684	125	1477	4044	4011	-374	-119	11178	1769	11178	1403	14350	49.89
7	5325	150	505	5980	151	1570	4406	4223	-374	-204	11737	1928	11880	1557	15222	49.93
8	5397	136	503	6036	150	1642	4421	4615	-313	-186	12257	2421	12637	1726	16404	49.96
9	5388	173	491	6052	115	1839	4451	4575	-369	-290	12291	2436	12699	1982	16709	49.83
10	5359	396	472	6227	100	1860	4569	4719	-408	-339	12567	2586	13153	2268	17421	49.85
11	5417	521	511	6449	47	1853	4612	4720	-438	-330	12772	2562	13402	2443	17777	49.84
12	5370	690	549	6609	20	1849	4446	4523	-450	-270	12764	2628	13444	2475	17867	49.91
13	5433	256	554	6243	16	1854	4311	4512	-487	-292	12343	2614	13009	2452	17409	49.93
14	5319	304	467	6090	24	1863	4743	4792	-484	-221	12558	2469	13131	2344	17371	49.98
15	5296	305	466	6067	35	1840	4833	4622	-468	-240	12349	2194	12787	2352	16895	49.97
16	5294	170	467	5931	59	1855	4741	4911	-480	-267	12514	2078	12937	2350	16942	50.00
17	5144	267	473	5884	76	1820	4656	4290	-468	-337	11733	2323	12037	2340	16396	50.02
18	5302	127	473	5902	74	1745	4574	3830	-404	-444	11107	2418	11107	2282	15807	50.12
19	5376	180	491	6047	61	1762	4736	3836	-399	-326	11420	3157	11420	2232	16809	49.97
20	5452	406	516	6374	46	1756	5073	4799	-449	-335	12687	3203	12687	2319	18209	49.92
21	5404	279	496	6179	56	1741	5082	4365	-421	-315	12066	3195	12066	2225	17486	49.95
22	5426	121	497	6044	67	1750	5064	3908	-410	-280	11529	3187	11529	2042	16758	49.98
23	5377	120	498	5995	77	1662	4750	4265	-400	-246	11777	3065	11777	1855	16697	49.79
24	5331	120	467	5918	114	1662	4563	3830	-365	-161	11384	2561	11384	1676	15621	49.86
MUs	125.14	5.46	11.87	142.47	2.23	40.37	107.67	102.26	-9.75	-5.41	282.29	49.02	287.52	46.92	378.22	49.95

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 09/Mar/2012

Position as on 6.30 Hrs of 10/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		Continued.	Filter Replacement	
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	
Uran Unit 5	108	23/02/2012	11.35	09/03/2012	09:03	Gas Shortage	
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	
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
Parli Unit 3	210	08/03/2012	20.25	09/03/2012	16:38	Main Steam heavy Gland leakage.	
Dabhol 2A	230	09/03/2012	10.37	09/03/2012	11.41	Vacuum level high	
Dabhol 2X	290	09/03/2012	10.37	09/03/2012	12.33	Vacuum level high	
Dabhol 2B	230	09/03/2012	10.37	09/03/2012	13.25	Vacuum level high	
Uran Unit 6	108	09/03/2012	13:03	09/03/2012	18:10	Filter Replacement.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 09/Mar/2012

Position as on 6.30 Hrs of 10/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 : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	07/03/2012	18.04		Continued.	Over Voltage.
Akola - Wardha - I	07/03/2012	22.01		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	08/03/2012	09.53	09/03/2012	07.07	Over Voltage
Dabhol - NewKoyna - II	09/03/2012	00.09	09/03/2012	08.32	Over Voltage
Dhule - S'Sarovar - II	09/03/2012	02.04	09/03/2012	10.24	Over Voltage.
Kolhapur-Mapusa-II	09/03/2012	07.02	09/03/2012	07.58	Over Voltage
Dhule-Sar'Sarovar - I	09/03/2012	16.35		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		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Kalmeshwar - Pandurna	09/03/2012	12.31	09/03/2012	13.43	Distance Protection
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 315MVA ICT-II @ New Koyna	08/03/2012	01.00	09/03/2012	07.49	For CTR commissioning work.
400/220KV 315 MVA ICT-II at Korady	09/03/2012	09.40		Continued.	Oil Filtration work
400/220KV 315MVA ICT-II @ Aurangabad.	09/03/2012	10.51	09/03/2012	16.21	N2 Fire Prot.system commissioning
Main Bus-II at Khaperkheda	09/03/2012	12.24		Continued.	For Connecting spare ICT Bay
Karad-Jaigad II	09/03/2012	12.52	09/03/2012	18.04	Oil Leakage of R Phase CVT
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 strengthning work.
Inter Connector @ Kalwa	09/03/2012	08.15	09/03/2012	17.10	Replacement of 29C Isolator

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 09/Mar/2012

Position as on 6.30 Hrs of 10/Mar/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Babaleshwar - Ranjangaon	09/03/2012	08.49	09/03/2012	14.06	Replacement of Flashover Insulator
Dhule - Malegaon	09/03/2012	10.18	09/03/2012	13.55	Q.M.Work
220/132 KV 200 MVA ICT-II @ Boiser	09/03/2012	11.20	09/03/2012	16.32	SFRA
Dhamangaon - Rly TSS - I	09/03/2012	11.24	09/03/2012	16.36	Replacement of Metering CT
Vita - Miraj	09/03/2012	12.04	09/03/2012	15.11	R phase string damage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	16/02/2012	16.56		Continued.	Over Voltage.
Bhusawal- Aurangabad	07/03/2012	16.30	09/03/2012	08.25	Over Voltage.
Karad - Kolhapur - I	07/03/2012	17.07	09/03/2012	07.40	Over Voltage.
Lonikand- Koyna Stage IV	09/03/2012	00.16	09/03/2012	09.17	Over Voltage.
Bableswhar-Aurangabad	09/03/2012	21.56	10/03/2012	06.08	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		Continued.	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
Bableswhar-Aurangabad	08/03/2012	17.33	09/03/2012	08.31	Over Voltage.
Karad - Kolhapur - II	09/03/2012	05.46	09/03/2012	07.46	Distance Protection
Karad - Kolhapur - I	09/03/2012	07.40		Continued.	Distance Protection(Ready for charging from 16.50Hrs)
Padgha - Nagothane- II	09/03/2012	11.06	09/03/2012	19.12	Distance Protection
Koradi - Akola	09/03/2012	13.08	09/03/2012	13.31	Over Voltage
400/220KV 315MVA ICT-II @ New Koyna	09/03/2012	15.25	09/03/2012	16.54	Buchholz Alarm
400/220KV 315MVA ICT-II @ New Koyna	09/03/2012	20.08		Continued.	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		Continued.	Over Voltage
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).
Kolhapur-Karad-IV	09/03/2012	03.01	09/03/2012	10.01	Distance protection
Karad-Kolhapur - II	09/03/2012	05.46	09/03/2012	12.15	Distance Protection
Karad - Peth	09/03/2012	06.06	09/03/2012	12.16	Distance Protection
Karad - Kiniwathar	09/03/2012	06.21	09/03/2012	06.42	Overload

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 10/Mar/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	153
Unit 6	210	146
Unit 7	210	178
	620	477
Bhusawal		
Unit 2	210	170
Unit 3	210	180
Unit 4	500	
	920	350
Parli		
Unit 3	210	144
Unit 4	210	180
Unit 5	210	160
Unit 6	250	200
Unit 7	250	0
	1130	684
Chandrapur		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	150
Unit 4	210	200
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	2040
Paras		
Unit 3	250	250
Unit 4	250	230
	500	480
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	192
Unit 4	210	192
Unit 5	210	192
	630	576
Uran		
All Units	852	480
	852	480
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	20
VTRNA	60	60
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	3
BHIRA T.R.	80	40
RNGR+BHTSA	20	13
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	357
Other CPPs	0	
	1005	1452
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	5166
	3455	5166

	17900	7 of 7	16300
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