



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

State Load Dispatch Center, Airoli

Daily system Report

for

07/Mar/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 07/Mar/2012 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	128.695	837.705	1) Gujrat	9.679	70.812
2) Hydro	6.261	45.370	2) Madhya Pradesh	18.134	135.540
3) Gas	11.613	74.468	3) Chattisgarh	11.020	79.900
Total MSGENCO	146.569	957.543	4) Maharashtra	52.395	374.877
B) OTHERS			5) Goa	-6.637	-41.362
1) JSW JAIGAD	22.858	185.369	6) TAPS 1&2 Injection	6.540	40.285
2) WPCL	7.799	52.689	7) RGPPL Injection	25.123	159.716
3) Other CPP / IPP	8.320	55.024	8) Pench (Excess)	-0.637	-4.304
4) Wind Generation	10.139	53.921	# Total Cent. Sector	115.617	815.464
5) PENCH (MS)	0.637	4.304	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-6.838	-40.103
1) TPCL Thermal	26.778	186.864	G) Bilateral Power *		
2) TPCL Hydro	3.213	19.186	1) MSEDCL Bilateral	39.466	273.907
TOTAL TPCL	29.991	206.050	Include PX	0.000	0.785
3) REL Thermal	12.388	86.666	2) MUMBAI Bilateral	10.979	62.762
D) STATE			Include PX	0.560	-9.008
1) Thermal (A1+C1+C3)	167.861	1111.235	3) MUMBAI Schedule	10.979	62.762
2) Hydro (A2+B5+C2)	10.111	68.860	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.613	74.468	1) MSEDCL	305.101	2084.211
4) Wind (B4)	10.139	53.921	2) TPCL	33.396	224.969
5) CPP (B1+B2+B3)	38.977	293.082	3) REL	15.813	107.831
TOTAL STATE	238.701	1601.566	TOTAL STATE	354.310	2417.011

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5405	5178	5333
MSGENCO Hydro	604	249	151
MSGENCO Gas	476	476	496
MSGENCO Total Generation	6485	5903	5980
Central Sector Receipt	5618	5117	4169
WIND	273	596	396
CPP / IPP	1622	1595	1616
Exchange with Mumbai	-381	-411	-107
MSEDCL DEMAND MET	13667	12846	12054
Load Shedding (LS)	1462	0	1
MSEDCL DEMAND (INCL. LS)	15129	12846	12055
TPCL GENERATION	1673	1468	818
REL GENERATION	528	527	457
TPCL+REL DEMAND	2582	2406	1382
STATE DEMAND MET	16249	15252	13436
Load Management (LM)	2060	3381	1713
Total Load Relief (LS+LM)	3522	3381	1714
UNRESTRICTED STATE DEMAND	19771	18633	15150
Frequency (Hz)	49.81	49.98	49.82

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.39 Hz at 18.30 Hrs	49.42 Hz at 22.33 Hrs	49.89	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 07/Mar/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.42	23.87	149	133	140
Unit 6	3.40	19.76	161	111	150
Unit 7	3.88	18.37	180	130	170
Total	10.70	62.00			460
Bhusawal					
Unit 2	3.96	13.63	175	155	170
Unit 3	4.42	29.11	195	165	180
Unit 4	1.78	6.60	350	0	
Total	10.16	49.34			350
Parli					
Unit 3	3.17	4.86	166	112	135
Unit 4	4.07	29.08	186	152	170
Unit 5	3.86	26.68	175	149	165
Unit 6	3.78	31.08	183	90	170
Unit 7	2.70	26.85	154	92	110
Total	17.58	118.56			750
Chandrapur					
Unit 1	3.83	26.97	165	147	165
Unit 2	3.99	27.69	170	157	165
Unit 3	4.10	9.33	198	145	160
Unit 4	4.67	32.04	204	180	200
Unit 5	11.04	75.08	485	445	450
Unit 6	10.26	75.84	475	295	470
Unit 7	9.56	68.43	435	348	425
Total	47.44	315.39			2035
Paras					
Unit 3	4.60	38.98	212	155	190
Unit 4	4.34	29.57	217	133	190
Total	8.94	68.54			380
Khaparkheda					
Unit 1	4.98	35.15	220	175	210
Unit 2	4.47	31.22	195	180	210
Unit 3	5.11	19.71	223	170	210
Unit 4	5.30	36.95	223	217	210
Unit 5	0.00	0.00	0	0	
Total	19.86	123.03			840
Nasik					
Unit 3	5.16	35.62	220	210	210
Unit 4	4.39	32.52	201	174	210
Unit 5	4.46	32.69	193	172	210
Total	14.01	100.84			630
Uran					
All Units	11.61	74.47	499	468	470
Total	11.61	74.47			470
PENCH (MS)					
Pench (MS)	0.64	4.30	50	0	
Total	0.64	4.30			
Koyna					
Stage 1-2	1.10	12.26	95	40	600
Stage 4	0.00	0.24	0	0	250
Stage 3	0.65	3.53	160	0	320
Total	1.75	16.04			1170
Kovna 12&4 Total	1.10	12.50			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.71	5.16	38	19	38
VTRNA	0.00	0.00	0	0	0
TILLARI	0.36	2.19	60	0	60
BHTGR/VEER	0.01	0.01	1	0	0
BHIRA T.R.	0.13	0.83	56	0	80
RNGR+BHTSA	0.34	2.28	14	14	10
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.29	2.05	13	12	0
SMLHY PTN	1.01	6.46	42	42	15
GHATGHAR	1.67	10.35	250	0	0
Total	4.51	29.33			203
Wind					
MalharPeth	0.72	2.36			
Vankuswadi	0.76	3.38			
ATIT	0.45	1.19			
Kale	0.37	1.29			
Satara	0.56	4.28			
Shirala	0.81	1.81			
K Mahankal	0.60	3.20			
Supa	0.20	0.70			
Vita	1.92	6.79			
Dondaicha	2.47	20.69			
Sakri	0.24	2.80			
Nandurbar	0.26	2.25			
Khandke	0.40	1.57			
Khaparale	0.38	1.63			
Total	10.14	53.92			
CPP					
JSW JAIGAD	22.86	185.37	1217	812	990
WARDHA	7.80	52.69	362	260	342
Other CPPs	8.32	55.02			
Total	38.98	293.08			1332
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.58	72.65	504	283	500
Trombay 6	6.04	45.44	374	156	500
Trombay 7A	2.92	19.21	130	104	120
Trombay 7B	1.62	10.48	70	62	60
Trombay 8	5.62	39.09	253	175	250
TATA Hydro	3.21	19.19	370	0	447
Total	29.99	206.05			1877
REL					
1&2	12.39	86.67	529	456	500
Total	12.39	86.67			500
Cent Sect					
Share					4996
Total					4996

MS PG CL	Thermal	128.70	837.70			5445
	Thml+Gas	140.31	912.17			5915
	Hydro	6.26	45.37			1373
	Total	146.57	957.54			7288
State Total		238.70	1601.57			15993

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 07/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	5363	151	497	6011	339	1569	4622	4661	-330	-260	12324	1985	12324	1635	15944	49.74
2	5355	146	496	5997	401	1576	4711	4428	-326	-184	12218	1904	12218	1480	15602	49.81
3	5324	146	496	5966	406	1585	4657	4382	-435	-150	12189	1577	12189	1423	15189	49.90
4	5353	146	496	5995	425	1541	4631	4217	-435	-135	12043	1724	12043	1409	15176	49.98
5	5333	151	496	5980	396	1616	4626	4169	-435	-107	12054	1714	12055	1382	15150	49.82
6	5395	156	495	6046	359	1735	4600	4492	-261	-149	12501	2137	12805	1530	16168	49.73
7	5449	171	494	6114	334	1748	4883	4724	-312	-105	12857	2797	13782	1656	17310	49.83
8	5500	146	495	6141	234	1919	4870	5054	-323	-152	13246	3044	14293	1797	18087	49.88
9	5601	273	499	6373	153	1848	4927	5184	-383	-237	13330	3104	14320	2065	18499	49.89
10	5509	401	489	6399	171	1839	5039	5519	-450	-329	13609	3233	14742	2342	19184	49.86
11	5549	562	484	6595	232	1630	5098	5158	-519	-386	13279	3253	14501	2553	19085	49.79
12	5405	604	476	6485	273	1622	5150	5618	-573	-381	13667	3522	15129	2582	19771	49.81
13	5389	478	469	6336	330	1609	5163	4988	-587	-372	12938	3438	14310	2532	18908	49.89
14	5474	413	471	6358	408	1632	5177	5168	-597	-326	13287	2819	14126	2396	18502	50.04
15	5428	384	470	6282	448	1636	5204	5340	-607	-376	13377	2326	13897	2422	18125	49.93
16	5373	563	470	6406	535	1617	4914	5346	-612	-366	13584	2285	14129	2419	18288	49.99
17	5350	202	474	6026	682	1624	4853	4687	-607	-353	12674	2414	12960	2400	17488	50.08
18	5478	128	479	6085	730	1591	4820	4166	-561	-411	12161	2577	12187	2334	17072	50.08
19	5458	209	468	6135	608	1624	4763	4198	-450	-398	12204	3328	12206	2294	17826	50.02
20	5178	249	476	5903	596	1595	4876	5117	-450	-411	12846	3381	12846	2406	18633	49.98
21	5173	188	475	5836	591	1501	4763	4785	-440	-444	12315	3381	12315	2330	18026	49.85
22	5118	128	477	5723	544	1462	4775	4437	-440	-321	11892	3381	11892	2117	17390	49.93
23	5056	128	485	5669	484	1441	4501	4815	-440	-319	12101	3086	12101	1991	17178	49.77
24	5084	138	486	5708	460	1417	4337	4964	-407	-166	12405	2664	12405	1722	16791	49.78
MUs	128.70	6.26	11.61	146.57	10.14	38.98	115.96	115.62	-10.98	-6.84	305.10	65.07	315.78	49.22	419.39	49.89

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 07/Mar/2012

Position as on 6.30 Hrs of 08/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.	09/03/2012
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	
Uran Unit 5	108	23/02/2012	11.35		Continued.	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	06/03/2012	22.36	07/03/2012	07.28	Class A Protection operated.	
CPP JSW (J) U3	300	07/03/2012	11.00	08/03/2012	02.16	PA Fan tripped on bearing vibration.	
Bhusawal Unit 4	500	07/03/2012	18.58		Continued.	Hand tripped.	
CPP JSW (J) U3	300	08/03/2012	03.34	08/03/2012	04.00	Turbine vibration.	
Koyana ST - IV 3	250	08/03/2012	10.00	08/03/2012	15.00	Maintenance work.	
Parli Unit 7	250	08/03/2012	10.51		Continued.	Withdrawn for 5 days due to coal shortage.	
Parli Unit 3	210	08/03/2012	20.25		Continued.	withdrawn due to main steam 2 heavy gland leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 07/Mar/2012

Position as on 6.30 Hrs of 08/Mar/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - II	06/03/2012	17.06	08/03/2012	07.06	Over Voltage.
Kolhapur - Mapusa - I	07/03/2012	18.04		Continued.	Over Voltage.
Akola - Wardha - I	07/03/2012	22.01		Continued.	Over Voltage.
Dhule-S'Sarovar I	08/03/2012	02.53	08/03/2012	09.53	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		
Dhule-Sar'Sarovar - II	08/03/2012	09.35	08/03/2012	10.31	DT received.
Voltage Level : 220KV			Outage Type TRIPPED		
MUDSHINGI-CHIKODI	04/03/2012	05.33	07/03/2012	07.28	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.
Main Bus - I @ Talandge	05/03/2012	14.11		Continued.	Erection of A Bus.
Bus Coupler @ Kharghar	06/03/2012	09.21	07/03/2012	16.18	Testing work.
400/220KV 315MVA ICT-II @ New Koyna	08/03/2012	01.00		Continued.	For CTR commissioning 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.
Main Bus I @ Khargar	06/03/2012	09.24	07/03/2012	16.18	Testing work.
Karad-Pophali	07/03/2012	09.37	07/03/2012	19.00	Erection of multi Ckt Tower.
220/132KV,100MVA T/F at Malinagar	07/03/2012	10.25	07/03/2012	17.43	Tan delta measurement.
Main Bus- I @ Lamboti	07/03/2012	11.28	07/03/2012	17.05	Hot spot attending.
Vita-Mhaisal	07/03/2012	12.00	07/03/2012	16.23	Breaker overhauling.
220/132KV,100MVA ICT-II at Sawangi	07/03/2012	13.15	07/03/2012	16.52	Q.M.Work
Aarey-Borivali-II	08/03/2012	09.02	08/03/2012	14.26	Replacement of procelin insulator.
Magarpatta - Sirum	08/03/2012	09.36	08/03/2012	16.07	Maintenance work.
Lonikand-Theur - I	08/03/2012	14.35	08/03/2012	16.44	CT connection checking work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 07/Mar/2012

Position as on 6.30 Hrs of 08/Mar/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Amravati - Achalpur	16/01/2012	10.10	07/03/2012	06.00	Breaker Problem(Ckt is on TBC)
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kandalgaon-Roha-II	08/03/2012	09.45	08/03/2012	17.55	LA replacement work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	16/02/2012	16.56		Continued.	Over Voltage.
Bhusawal- Aurangabad	06/03/2012	16.15	07/03/2012	07.37	Over Voltage.
Karad - Kolhapur - II	06/03/2012	21.01	07/03/2012	09.27	Over Voltage.
Bhusawal- Aurangabad	07/03/2012	16.30		Continued.	Over Voltage.
Karad - Kolhapur - I	07/03/2012	17.07		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		
400/220 KV 100 MVA Spare Unit @ Koradi	21/01/2012	03.36		Continued.	Buchholz Alarm Persisting
Bableshwar-Aurangabad	08/03/2012	17.33		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).
220/132KV, 100MVA ICT-II at Sawangi	07/03/2012	12.12	07/03/2012	12.33	Bus bar protection operated.
220/132 KV 100 MVA ICT @ Sawangi	07/03/2012	12.12	07/03/2012	12.33	Bus bar protection operated.
Dahanu-Versova	07/03/2012	16.09	07/03/2012	17.23	Distance protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Padegaon-Sawangi	07/03/2012	12.12	07/03/2012	12.33	Bus bar protection operated.
Sawangi-GAPS	07/03/2012	12.12	07/03/2012	12.33	Bus bar protection operated.
Sawangi-Harsool	07/03/2012	12.12	07/03/2012	12.33	Bus bar protection operated.
Sawangi-Kagzipura	07/03/2012	12.12	07/03/2012	12.33	Bus bar protection operated.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 08/Mar/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	150
Unit 7	210	175
	620	465
Bhusawal		
Unit 2	210	170
Unit 3	210	180
Unit 4	500	
	920	350
Parli		
Unit 3	210	165
Unit 4	210	160
Unit 5	210	165
Unit 6	250	135
Unit 7	250	105
	1130	730
Chandrapur		
Unit 1	210	160
Unit 2	210	170
Unit 3	210	190
Unit 4	210	200
Unit 5	500	460
Unit 6	500	470
Unit 7	500	450
	2340	2100
Paras		
Unit 3	250	250
Unit 4	250	210
	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	200
	630	620
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	18
VTRNA	60	0
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	12
SMLHY PTN	12	0
GHATGHAR	250	0
	611	185
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	960
WARDHA	405	290
Other CPPs	0	
	1005	1250
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	4653
	3455	4653

	17900	7 of 7	15680
--	--------------	--------	--------------