



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

State Load Dispatch Center, Airoli

Daily system Report

for

05/Mar/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 05/Mar/2012 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	120.924	577.609	1) Gujrat	10.238	53.706
2) Hydro	6.604	32.986	2) Madhya Pradesh	21.358	99.064
3) Gas	10.784	51.318	3) Chattisgarh	11.720	58.080
Total MSGENCO	138.312	661.913	4) Maharashtra	55.775	269.679
B) OTHERS			5) Goa	-6.184	-28.050
1) JSW JAIGAD	26.351	135.494	6) TAPS 1&2 Injection	6.262	27.327
2) WPCL	7.846	37.372	7) RGPPL Injection	22.347	109.787
3) Other CPP / IPP	8.223	38.661	8) Pench (Excess)	-0.563	-2.891
4) Wind Generation	6.174	31.673	# Total Cent. Sector	120.953	586.702
5) PENCH (MS)	0.563	2.891	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-6.183	-25.896
1) TPCL Thermal	28.392	132.291	G) Bilateral Power *		
2) TPCL Hydro	3.373	12.776	1) MSEDCL Bilateral	24.812	190.025
TOTAL TPCL	31.765	145.067	Include PX	0.000	0.000
3) REL Thermal	12.128	61.909	2) MUMBAI Bilateral	7.837	42.034
D) STATE			Include PX	-0.655	-8.815
1) Thermal (A1+C1+C3)	161.444	771.809	3) MUMBAI Schedule	7.837	42.034
2) Hydro (A2+B5+C2)	10.540	48.653	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.784	51.318	1) MSEDCL	302.239	1468.810
4) Wind (B4)	6.174	31.673	2) TPCL	33.703	157.322
5) CPP (B1+B2+B3)	42.420	211.527	3) REL	16.368	75.541
TOTAL STATE	231.362	1114.980	TOTAL STATE	352.310	1701.673

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	5053	5159	4951
MSGENCO Hydro	692	333	123
MSGENCO Gas	445	469	423
MSGENCO Total Generation	6190	5961	5497
Central Sector Receipt	5462	5082	4655
WIND	91	420	296
CPP / IPP	1890	1923	1563
Exchange with Mumbai	-396	-424	-51
MSEDCL DEMAND MET	13257	13009	11960
Load Shedding (LS)	1653	547	236
MSEDCL DEMAND (INCL. LS)	14910	13556	12196
TPCL GENERATION	1789	1550	815
REL GENERATION	470	524	457
TPCL+REL DEMAND	2655	2498	1323
STATE DEMAND MET	15912	15507	13283
Load Management (LM)	2187	3510	1660
Total Load Relief (LS+LM)	3840	4057	1896
UNRESTRICTED STATE DEMAND	19752	19564	15179
Frequency (Hz)	49.78	49.93	50.12

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.49 Hz at 17.02 Hrs	49.25 Hz at 22.18 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 05/Mar/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.23	17.14	150	122	133
Unit 6	3.43	12.90	160	125	143
Unit 7	4.00	10.57	185	145	170
Total	10.65	40.60			446
Bhusawal					
Unit 2	2.11	5.78	165	0	0
Unit 3	4.13	20.62	180	160	180
Unit 4	0.10	1.44	59	0	
Total	6.34	27.83			180
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.30	21.15	192	160	180
Unit 5	3.53	18.95	166	132	135
Unit 6	4.32	23.11	191	165	180
Unit 7	3.59	20.91	204	80	180
Total	15.74	84.12			675
Chandrapur					
Unit 1	3.84	19.26	167	155	165
Unit 2	3.88	19.70	167	155	165
Unit 3	1.45	1.45	173	0	0
Unit 4	4.68	22.79	203	181	200
Unit 5	10.33	53.06	460	360	350
Unit 6	10.30	54.43	470	350	400
Unit 7	8.64	49.81	420	321	400
Total	43.12	220.50			1680
Paras					
Unit 3	5.81	28.88	260	188	250
Unit 4	5.51	20.26	253	140	250
Total	11.32	49.14			500
Khaparkheda					
Unit 1	5.06	25.04	215	200	210
Unit 2	4.41	22.17	190	170	200
Unit 3	5.10	9.37	220	205	210
Unit 4	5.31	26.34	224	218	210
Unit 5	0.00	0.00	0	0	
Total	19.88	82.92			830
Nasik					
Unit 3	4.94	25.33	215	190	210
Unit 4	4.41	23.56	195	163	210
Unit 5	4.52	23.61	198	180	210
Total	13.87	72.50			630
Uran					
All Units	10.78	51.32	481	423	465
Total	10.78	51.32			465
PENCH (MS)					
Pench (MS)	0.56	2.89	51	0	
Total	0.56	2.89			
Koyna					
Stage 1-2	1.48	9.78	180	40	520
Stage 4	0.00	0.24	0	0	250
Stage 3	0.23	2.56	158	0	320
Total	1.71	12.59			1090
Kovna 12&4 Total	1.48	10.03			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.71	3.52	39	19	20
VTRNA	0.00	0.00	0	0	0
TILLARI	0.24	1.59	60	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.07	0.58	40	0	41
RNGR+BHTSA	0.32	1.63	14	13	14
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.29	1.47	12	12	12
SMLHY PTN	0.95	4.18	40	39	
GHATGHAR	2.32	7.43	250	0	
Total	4.90	20.39			147
Wind					
MalharPeth	0.20	1.41			
Vankuswadi	0.42	2.18			
ATIT	0.04	0.70			
Kale	0.11	0.74			
Satara	0.35	3.42			
Shirala	0.12	0.82			
K Mahankal	0.51	1.70			
Supa	0.02	0.37			
Vita	0.34	4.08			
Dondaicha	3.14	11.75			
Sakri	0.46	1.66			
Nandurbar	0.30	1.31			
Khandke	0.07	0.83			
Khaparale	0.08	0.71			
Total	6.17	31.67			
CPP					
JSW JAIGAD	26.35	135.49	1228	752	1045
WARDHA	7.85	37.37	361	260	310
Other CPPs	8.22	38.66			
Total	42.42	211.53			1355
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.40	51.66	502	284	500
Trombay 6	7.73	32.28	491	155	500
Trombay 7A	2.96	13.27	128	117	120
Trombay 7B	1.64	7.21	69	65	60
Trombay 8	5.67	27.88	253	177	250
TATA Hydro	3.37	12.78	357	0	447
Total	31.76	145.07			1877
REL					
1&2	12.13	61.91	527	457	500
Total	12.13	61.91			500
Cent Sect					
Share					5065
Total					5065

MS PG CL	Thermal	120.92	577.61		4941
	Thml+Gas	131.71	628.93		5406
	Hydro	6.60	32.99		1237
	Total	138.31	661.91		6643
State Total		231.36	1114.98		15440

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/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	4992	128	423	5543	287	1623	4560	5008	-273	-134	12327	2065	12472	1514	15906	49.96
2	4956	128	423	5507	241	1564	4505	4734	-268	-116	11930	2105	12158	1385	15420	49.90
3	4951	123	423	5497	296	1563	4495	4655	-268	-51	11960	1896	12196	1323	15179	50.12
4	4935	128	423	5486	314	1534	4475	4723	-268	-16	12041	2097	12271	1290	15428	50.00
5	4894	143	433	5470	319	1343	4458	4879	-268	-18	11993	2095	12227	1296	15384	49.98
6	4878	123	433	5434	277	1472	4457	5141	-268	-43	12281	2322	12656	1408	16011	49.79
7	4921	183	436	5540	199	1558	4703	5341	-323	-109	12576	2969	13543	1600	17145	49.75
8	4907	173	438	5518	110	1689	4695	5478	-328	-163	12682	3633	14037	1776	18091	49.87
9	4988	130	438	5556	96	1843	4656	5489	-330	-233	12801	3571	14124	2043	18415	49.94
10	4988	375	461	5824	104	1882	4733	5677	-432	-302	13236	3642	14695	2358	19236	49.86
11	5045	483	455	5983	124	1880	4964	5381	-340	-386	13009	3851	14673	2589	19449	49.77
12	5053	692	445	6190	91	1890	4997	5462	-530	-396	13257	3840	14910	2655	19752	49.78
13	5074	509	447	6030	66	1886	4974	5325	-340	-369	12948	3891	14653	2636	19475	49.81
14	5113	419	441	5973	87	1896	4918	5358	-340	-301	13038	3669	14562	2536	19243	49.83
15	5122	434	443	5999	154	1893	4721	5394	-340	-329	13136	3430	14592	2584	19150	49.88
16	5075	424	454	5953	196	1884	4730	5404	-181	-334	13119	3440	14727	2592	19151	49.86
17	5024	394	461	5879	269	1860	4766	4822	-171	-340	12490	3753	14008	2580	18823	50.05
18	4990	354	461	5805	444	1884	4805	4083	-217	-343	11873	3518	12706	2506	17897	50.02
19	5054	217	472	5743	473	1895	4956	4595	-261	-334	12397	3988	12935	2436	18821	49.93
20	5159	333	469	5961	420	1923	5137	5082	-450	-424	13009	4057	13556	2498	19564	49.93
21	5197	277	472	5946	424	1931	5202	4782	-440	-391	12742	3855	13110	2397	18994	49.79
22	5181	143	479	5803	420	1888	5269	4590	-440	-388	12360	3768	12664	2223	18351	49.91
23	5193	143	473	5809	378	1842	4985	4804	-401	-349	12524	3556	12755	2034	18114	49.68
24	5233	148	481	5862	385	1797	4874	4743	-356	-314	12506	2940	12683	1817	17263	49.76
MUs	120.9 2	6.60	10.78	138.31	6.17	42.42	115.04	120.95	-7.84	-6.18	302.24	77.95	322.91	50.08	430.26	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 05/Mar/2012

Position as on 6.30 Hrs of 06/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	06/03/2012	04.00	Annual Overhaul.	
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	05/03/2012
Koyana Unit 7	80	03/03/2012	07.00	05/03/2012	20.15	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	05/03/2012	13.42	Gas shortage.	
Dabhol 3X	290	21/02/2012	21.58	05/03/2012	15.59	Gas shortage.	
Uran Unit 5	108	23/02/2012	11.35		Continued.	Gas Shortage	
Chandrapur Unit 3	210	26/02/2012	04.03	05/03/2012	09.35	Boiler Validity Extension.	09/03/2012
Bhusawal Unit 4	500	01/03/2012	21.48	05/03/2012	21.30	M S Temp.Low.	
Bhusawal Unit 2	210	01/03/2012	23.16	05/03/2012	07.51	Tripped on BTL.	
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.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Mar/2012

Position as on 6.30 Hrs of 06/Mar/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali -Tarapur	04/03/2012	12.26	05/03/2012	04.38	Interconnection of 220 KV Tata -V Line with Existing Main Bus.
Halkarni-Amona I	05/03/2012	09.20	05/03/2012	18.18	Insulator Replacement.
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	06/03/2012	06.57	Over Voltage.
Kolhapur - Mapusa - I	29/02/2012	17.01	05/03/2012	13.41	Over Voltage.
Seoni - Wardha	04/03/2012	05.14		Continued.	Over Voltage.
Kolhapur - Mapusa - II	05/03/2012	13.46		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		
765 KV Wardha - Seoni	05/03/2012	15.30	05/03/2012	18.58	Relay Maloperation.
Voltage Level : 220KV			Outage Type TRIPPED		
MUDSHINGI-CHIKODI	04/03/2012	05.33		Continued.	Distance Protection Z-I B Ph.
Nasik-Navsari-I	06/03/2012	04.48		Continued.	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.
Newkoyna - Jaigad - I	05/03/2012	09.28	05/03/2012	12.50	Cold Line Insulator Washing.
New Koyna - Jaigad - II	05/03/2012	13.22	05/03/2012	19.24	Cold Line Insulator Washing.
Main Bus - I @ Talandge	05/03/2012	14.11		Continued.	Erection of A Bus.
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.
Main Bus @ Borivali	04/03/2012	12.26	05/03/2012	04.38	Interconnection of 220 KV Tata-V Line with Existing Main Bus.
220/110KV, 200MVA T/F-III at Mudshingi	05/03/2012	10.05	05/03/2012	16.10	Annual Maint.Work.
TBC @ Nasik	05/03/2012	10.25		Continued.	Outage.
Uran - Apta (HOC)	05/03/2012	11.10	05/03/2012	17.43	Attending Damaged Conductor @ Loc.No.25.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Mar/2012

Position as on 6.30 Hrs of 06/Mar/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Aurangabad-Shendra	05/03/2012	11.59	05/03/2012	14.56	Measurement of Tan Delta of C T.
Main Bus Section - I @ Shendra	05/03/2012	11.59	05/03/2012	14.56	Measurement of Tan Delta of C T.
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 - I	04/03/2012	16.31	05/03/2012	09.29	Over Voltage.
Bhusawal- Aurangabad	04/03/2012	17.32	05/03/2012	07.26	Over Voltage.
400/220KV,315 MVA ICT-I at Kolhapur.	05/03/2012	10.15	05/03/2012	10.18	Due to Outage on Main Bus - I
400/220 KV 315MVA ICT-II @ Kolhapur	05/03/2012	10.19	05/03/2012	10.23	Due to Outage on Main Bus - I
Bhusawal- Aurangabad	05/03/2012	16.20	06/03/2012	06.56	Over Voltage.
Karad - Kolhapur - II	05/03/2012	16.24		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
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.
Apta-Tambati	06/03/2012	03.06		Continued.	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Boisar-MIDC	06/03/2012	04.34	06/03/2012	05.00	Tripped.
IOL MIDC-Boiser-I	06/03/2012	04.34	06/03/2012	05.45	Distance Protection
Boisar MIDC - Dahanu - II	06/03/2012	04.34		Continued.	Tripped.
Boisar(MIDC)-Dahanu - I	06/03/2012	04.34	06/03/2012	05.28	Tripped

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 06/Mar/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	165
Unit 7	210	175
	620	480
Bhusawal		
Unit 2	210	170
Unit 3	210	180
Unit 4	500	
	920	350
Parli		
Unit 3	210	19
Unit 4	210	190
Unit 5	210	169
Unit 6	250	175
Unit 7	250	100
	1130	653
Chandrapur		
Unit 1	210	165
Unit 2	210	165
Unit 3	210	175
Unit 4	210	200
Unit 5	500	450
Unit 6	500	470
Unit 7	500	350
	2340	1975
Paras		
Unit 3	250	210
Unit 4	250	210
	500	420
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	200
Unit 5	210	190
	630	600
Uran		
All Units	852	450
	852	450
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	0
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	0
BHIRA T.R.	80	41
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	0
	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	1095
WARDHA	405	362
Other CPPs	0	
	1005	1457
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	5153
	3455	5153

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