



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

State Load Dispatch Center, Airoli

Daily system Report

for

17/Feb/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 17/Feb/2012 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	117.173	2081.856	1) Gujrat	7.257	104.402
2) Hydro	7.256	163.618	2) Madhya Pradesh	21.503	337.285
3) Gas	9.565	189.740	3) Chattisgarh	13.200	210.000
Total MSGENCO	133.994	2435.214	4) Maharashtra	43.728	805.591
B) OTHERS			5) Goa	-6.564	-105.201
1) JSW JAIGAD	26.539	400.025	6) TAPS 1&2 Injection	7.772	132.485
2) WPCL	7.341	138.154	7) RGPPL Injection	24.069	405.879
3) Other CPP / IPP	7.004	121.991	8) Pench (Excess)	-0.573	-6.509
4) Wind Generation	4.218	76.025	# Total Cent. Sector	110.392	1883.932
5) PENCH (MS)	0.573	6.754	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-2.505	-144.497
1) TPCL Thermal	26.605	314.183	G) Bilateral Power *		
2) TPCL Hydro	3.398	81.277	1) MSEDCL Bilateral	39.739	565.752
TOTAL TPCL	30.003	395.460	Include PX	4.533	16.437
3) REL Thermal	12.200	211.471	2) MUMBAI Bilateral	6.542	133.069
D) STATE			Include PX	-4.073	-48.894
1) Thermal (A1+C1+C3)	155.978	2607.510	3) MUMBAI Schedule	6.542	156.833
2) Hydro (A2+B5+C2)	11.227	251.649	H) ENERGY CATERED (MUs)		
3) Gas (A3)	9.565	189.740	1) MSEDCL	287.556	4917.598
4) Wind (B4)	4.218	76.025	2) TPCL	30.375	501.966
5) CPP (B1+B2+B3)	40.884	660.170	3) REL	14.333	248.402
TOTAL STATE	221.872	3785.094	TOTAL STATE	332.264	5667.966

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	4932	5117	4501
MSGENCO Hydro	655	413	156
MSGENCO Gas	350	502	327
MSGENCO Total Generation	5937	6032	4984
Central Sector Receipt	5100	4778	4428
WIND	142	97	156
CPP / IPP	1813	1772	1520
Exchange with Mumbai	-259	-220	144
MSEDCL DEMAND MET	12780	12512	11232
Load Shedding (LS)	1694	354	0
MSEDCL DEMAND (INCL. LS)	14474	12866	11232
TPCL GENERATION	1647	1545	821
REL GENERATION	527	528	457
TPCL+REL DEMAND	2433	2293	1134
STATE DEMAND MET	15213	14805	12366
Load Management (LM)	2067	3482	1592
Total Load Relief (LS+LM)	3761	3836	1592
UNRESTRICTED STATE DEMAND	18974	18641	13958
Frequency (Hz)	49.63	49.88	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.33 Hz at 03.06 Hrs	49.24 Hz at 09.26 Hrs	49.83	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 17/Feb/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.35	54.21	154	131	134
Unit 6	3.56	59.24	155	132	146
Unit 7	4.37	67.32	195	175	170
Total	11.29	180.78			450
Bhusawal					
Unit 2	3.63	68.46	170	135	134
Unit 3	3.66	54.48	185	63	150
Unit 4	0.00	0.00	0	0	
Total	7.29	122.93			284
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.95	77.01	183	146	180
Unit 5	3.40	64.74	149	135	135
Unit 6	4.22	64.18	190	160	175
Unit 7	4.13	84.88	188	158	170
Total	15.71	290.80			660
Chandrapur					
Unit 1	1.75	38.66	148	0	0
Unit 2	3.70	67.48	174	67	120
Unit 3	4.13	69.74	183	135	170
Unit 4	4.80	82.65	208	166	210
Unit 5	11.23	187.00	480	450	475
Unit 6	10.80	176.30	475	402	450
Unit 7	9.77	167.68	442	351	400
Total	46.20	789.51			1825
Paras					
Unit 3	5.08	77.08	253	75	200
Unit 4	5.38	89.40	260	125	200
Total	10.46	166.49			400
Khaparkheda					
Unit 1	5.02	75.10	215	200	210
Unit 2	0.00	61.83	0	0	0
Unit 3	4.81	74.30	217	161	180
Unit 4	5.24	88.10	221	212	210
Unit 5	0.00	41.94	0	0	
Total	15.07	341.28			600
Nasik					
Unit 3	5.15	84.79	220	210	210
Unit 4	4.90	70.05	210	186	210
Unit 5	1.12	35.23	200	0	0
Total	11.17	190.08			420
Uran					
All Units	9.56	189.74	515	323	330
Total	9.56	189.74			330
PENCH (MS)					
Pench (MS)	0.57	6.75	53	0	
Total	0.57	6.75			
Koyna					
Stage 1-2	1.56	35.70	235	40	600
Stage 4	0.00	15.13	0	0	250
Stage 3	0.31	11.65	88	0	320
Total	1.87	62.48			1170
Kovna 12&4 Total	1.56	50.83			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.47	5.76	20	19	20
VTRNA	0.54	13.52	61	0	60
TILLARI	0.37	5.94	60	0	60
BHTGR/VEER	0.43	4.00	18	18	19
BHIRA T.R.	0.12	4.92	41	0	40
RNGR+BHTSA	0.39	5.94	17	16	15
BHANDARDRA	0.58	9.97	24	24	24
ELDARY	0.00	2.55	0	0	0
SMLHY PTN	0.86	16.59	43	33	11
GHATGHAR	1.62	31.96	250	0	0
Total	5.38	101.14			249
Wind					
MalharPeth	0.23	3.49			
Vankuswadi	0.27	4.63			
ATIT	0.10	1.65			
Kale	0.14	1.79			
Satara	0.44	9.69			
Shirala	0.17	2.02			
K Mahankal	0.37	3.15			
Supa	0.14	1.91			
Vita	0.77	9.27			
Dondaicha	1.01	25.74			
Sakri	0.12	3.23			
Nandurbar	0.12	2.48			
Khandke	0.23	4.42			
Khaparale	0.11	2.56			
Total	4.22	76.02			
CPP					
JSW JAIGAD	26.54	400.02	1229	974	1100
WARDHA	7.34	138.15	332	260	330
Other CPPs	7.00	121.99			
Total	40.88	660.17			1430
Tata					
Trombay 4	0.00	1.57	0	0	0
Trombay 5	9.92	43.28	497	278	500
Trombay 6	6.54	99.03	467	155	500
Trombay 7A	3.01	48.15	133	109	120
Trombay 7B	1.64	27.09	70	64	60
Trombay 8	5.49	95.06	249	176	250
TATA Hydro	3.40	81.28	402	0	447
Total	30.00	395.46			1877
REL					
1&2	12.20	211.47	529	457	500
Total	12.20	211.47			500
Cent Sect					
Share					4882
Total					4882

MS PG CL	Thermal	117.17	2081.86			4639
	Thml+Gas	126.74	2271.60			4969
	Hydro	7.26	163.62			1419
	Total	133.99	2435.21			6388
State Total		221.87	3785.09			15077

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/Feb/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	4466	166	325	4957	231	1538	4406	4704	-173	-53	11377	2018	11434	1351	14746	49.86
2	4416	156	323	4895	170	1515	4411	4405	-137	71	11056	2017	11141	1203	14276	49.89
3	4501	156	327	4984	156	1520	4411	4428	-137	144	11232	1592	11232	1134	13958	49.98
4	4598	151	331	5080	239	1528	4411	4171	-137	156	11174	1762	11174	1122	14058	50.03
5	4704	171	334	5209	247	1519	4411	4450	-137	147	11572	1777	11572	1131	14480	49.98
6	4638	156	336	5130	291	1633	4273	4918	-62	34	12006	2323	12418	1289	15618	49.82
7	4634	256	337	5227	322	1758	4357	4463	-25	-37	11743	3230	13001	1504	16477	49.73
8	4685	439	335	5459	345	1800	4828	4106	-168	-117	11620	3629	13003	1686	16935	49.88
9	4807	434	331	5572	323	1816	4847	4885	-253	-146	12473	3646	13920	1892	18011	49.75
10	4884	445	342	5671	347	1835	4959	5000	-300	-108	12770	3763	14435	2126	18659	49.59
11	4927	441	338	5706	235	1861	5111	4933	-326	-166	12602	3804	14333	2319	18725	49.58
12	4932	655	350	5937	142	1813	5132	5100	-347	-259	12780	3761	14474	2433	18974	49.63
13	4979	401	348	5728	88	1791	5228	5132	-347	-200	12588	3839	14359	2371	18798	49.74
14	4992	421	353	5766	57	1781	5189	4957	-299	-109	12503	3503	13989	2244	18250	49.69
15	5074	366	401	5841	46	1788	5164	4979	-273	-105	12600	3178	13910	2244	18022	49.71
16	5031	286	454	5771	46	1794	5187	5049	-341	-134	12577	3100	13923	2221	17898	49.75
17	5054	276	481	5811	67	1789	4635	4327	-374	-166	11841	3563	13228	2207	17611	49.96
18	5062	274	484	5820	99	1792	4627	3821	-358	-205	11327	3461	12140	2170	16958	49.88
19	5106	364	490	5960	98	1784	4860	4160	-411	-220	11822	3897	12272	2203	17922	49.81
20	5117	413	502	6032	97	1772	5018	4778	-401	-220	12512	3836	12866	2293	18641	49.88
21	5162	316	504	5982	153	1676	4993	4510	-417	-149	12222	3769	12525	2140	18131	49.91
22	5160	211	512	5883	123	1623	5017	4345	-439	-207	11793	3712	12056	1990	17495	49.99
23	5135	151	512	5798	148	1613	4852	4472	-385	-246	11809	3314	11809	1814	16937	49.95
24	5109	151	515	5775	148	1545	4651	4299	-295	-210	11557	2768	11557	1621	15946	49.91
MUs	117.17	7.26	9.56	133.99	4.22	40.88	114.98	110.39	-6.54	-2.50	287.56	75.26	306.77	44.71	407.53	49.83

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 17/Feb/2012

Position as on 6.30 Hrs of 18/Feb/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		Continued.	Annual Overhaul.	25/02/2012
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	25/02/2012
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	29/02/2012
Dabhol 3B	230	04/02/2012	23.43		Continued.	Gas Shortage	
Dabhol 1A	230	09/02/2012	14.51		Continued.	Gas Shortage	
Chandrapur Unit 1	210	11/02/2012	11.29	17/02/2012	07.37	Extension of Boiler Validity	
Uran Unit 8	108	11/02/2012	12.02		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.	Withdrewn.	
Uran Unit B0	120	15/02/2012	01.47	17/02/2012	15.08	To attend work on 220 KV side Y-Ph stub bus.	
Uran Unit 7	108	15/02/2012	01.50	17/02/2012	09.26	Gas shortage.	
Khaparkheda Unit 2	210	15/02/2012	10:00	18/02/2012	04.27	Boiler Tube Leakage.	19/02/2012
Nasik Unit 5	210	15/02/2012	21:10	17/02/2012	16.20	I. D. Fan problem.	
CPP WPCL U-1	135	15/02/2012	23.58	17/02/2012	07.38	Low Demand	
Cent_Sect TARAPUR-4	540	16/02/2012	05.25		Continued.	Process parameter problem.	17/02/2012
Cent_Sect NTPC(V-10)	500	16/02/2012	19.46	17/02/2012	17.42	Boiler tube leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/Feb/2012

Position as on 6.30 Hrs of 18/Feb/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	29/12/2011	07:54		Continued.	Work of Conversion from D/C to M/C (60 Days Outage). Temporary reconfigured as Tarapur-Boisar ckt-II
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	14/02/2012	16.06		Continued.	Over Voltage.
Parly(PG) - Wardha (PG) - I	15/02/2012	17.03		Continued.	Over Voltage
Kolhapur - Mapusa - I	16/02/2012	20.14		Continued.	Over Voltage.
Akola - Wardha - I	17/02/2012	21.00		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Bus Coupler @ Padgha	15/02/2012	09.47		Continued.	Brekaer overhauling(Up to 20/2/12)
400/220KV 315 MVA ICT-I @ Padgha	17/02/2012	09.01	17/02/2012	18.16	R.M.Work
400/220KV,500 MVA ICT-III at Nagothane.	17/02/2012	10.53	17/02/2012	18.52	General and Specific check after charging and Loading of T/F
400/220 KV 500 MVA ICT - I @ Lamboti	17/02/2012	16.28	17/02/2012	18.44	To attend Oil Leakage
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT-I @ Girawali	24/11/2011	10.46	17/02/2012	13.06	Augmentation of ICT BY 200 MVA ICT.(Kept on Humming)
220/132 KV 150 MVA ICT @ Bhandara	28/12/2011	13.57		Continued.	Replacement of ICT by 200MVA (Up to 29/2/12)
Boiser - Borivali	29/12/2011	08.40		Continued.	Work of Conversion from D/C to M/C (60 Days Outage). Temporary reconfigured as Tarapur-Boisar ckt-II
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
Karad Mudsingi-II	16/02/2012	09.12		Continued.	Isolator replacement work.
Uran - HOCL	17/02/2012	09.00	17/02/2012	17.00	Insulator replacement work
Mahape - Siemens	17/02/2012	09.27	17/02/2012	18.18	To attend SF6 Gas Leakage
220/33KV 100 MVA T/F - III @ Jamde	17/02/2012	10.10	17/02/2012	12.30	Painting work
Vita - Ghatnandre	17/02/2012	10.32	17/02/2012	16.46	maint.work
220/132 KV 200 MVA ICT -IV. at Padegaon.	17/02/2012	10.42	17/02/2012	18.00	To attend Oil Leakage
220/132KV,200MVA T/F At Ogalewadi	17/02/2012	11.34		Continued.	Oil Filtration work (Up to 20/2/12)
Borivali-Tata Borivali 4	18/02/2012	00.06	18/02/2012	06.00	220KV Main Bus outage at Borivali
220/100KV,200MVA ICT-I at Borivali.	18/02/2012	00.11	18/02/2012	05.56	220KV Main Bus outage at Borivali
220/100KV 200 MVA ICT III at Borivali	18/02/2012	00.12	18/02/2012	05.57	220KV Main Bus outage at Borivali
Borivali - Reliance	18/02/2012	00.17	18/02/2012	05.49	220KV Main Bus outage at Borivali
Borivali - Bhandup	18/02/2012	00.27	18/02/2012	05.46	220KV Main Bus outage at Borivali
Main Bus - I @ Borivali	18/02/2012	00.28	18/02/2012	05.40	Arrangement of 220KV cable Soak Test
Borivali-Kalwa	18/02/2012	00.28	18/02/2012	05.40	220KV Main Bus outage at Borivali
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 17/Feb/2012

Position as on 6.30 Hrs of 18/Feb/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Amravati - Achalpur	16/01/2012	10.10		Continued.	Breaker Problem(Ckt is on TBC)
Viraj-IOL	17/02/2012	10.40	17/02/2012	17.25	Conversion of existing Tap line to LILO arrangement
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Borivali-TATA-I	18/02/2012	00.08	18/02/2012	06.03	220KV Main Bus outage at Borivali
Borivali-Tata-II	18/02/2012	00.09	18/02/2012	06.04	220KV Main Bus outage at Borivali
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low N2 pressure(Oil Testing work is in progress)
Bhusawal- Aurangabad	15/02/2012	16.27	17/02/2012	07.21	Over Voltage
Karad-Kolhapur-II	16/02/2012	16.21	17/02/2012	09.48	Over Voltage
Aurangabad-Deepnagar-II	16/02/2012	16.56		Continued.	Over Voltage.
Karad - Kolhapur - I	17/02/2012	16.18		Continued.	Over Voltage
Bhusawal- Aurangabad	17/02/2012	16.45		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur-Warora	13/02/2012	16.58		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 Persist.
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).

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 18/Feb/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	150
Unit 6	210	145
Unit 7	210	170
	620	465
Bhusawal		
Unit 2	210	160
Unit 3	210	160
Unit 4	500	
	920	320
Parli		
Unit 3	210	0
Unit 4	210	170
Unit 5	210	145
Unit 6	250	185
Unit 7	250	190
	1130	690
Chandrapur		
Unit 1	210	160
Unit 2	210	165
Unit 3	210	150
Unit 4	210	210
Unit 5	500	475
Unit 6	500	425
Unit 7	500	425
	2340	2010
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	210
Unit 2	210	180
Unit 3	210	180
Unit 4	210	210
Unit 5	500	
	1340	780
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	200
	630	620
Uran		
All Units	852	500
	852	500
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	61
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	18
BHIRA T.R.	80	40
RNGR+BHTSA	20	17
BHANDARDRA	45	23
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	0
	611	248
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	1045
WARDHA	405	330
Other CPPs	0	
	1005	1375
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	5099
	3455	5099

	17900	7 of 7 16154
--	--------------	---------------------