



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

State Load Dispatch Center, Airoli

Daily system Report

for

07/Feb/2012

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	130.306	890.711	1) Gujrat	5.666	41.115
2) Hydro	16.546	74.535	2) Madhya Pradesh	20.072	136.670
3) Gas	12.032	86.194	3) Chattisgarh	12.780	87.240
Total MSGENCO	158.884	1051.440	4) Maharashtra	49.803	334.004
B) OTHERS			5) Goa	-5.788	-40.970
1) JSW JAIGAD	26.209	146.366	6) TAPS 1&2 Injection	7.811	54.731
2) WPCL	9.621	52.996	7) RGPPL Injection	24.502	172.767
3) Other CPP / IPP	6.760	49.217	8) Pench (Excess)	-0.345	-2.506
4) Wind Generation	7.957	27.469	# Total Cent. Sector	114.501	783.051
5) PENCH (MS)	0.345	2.751	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-15.236	-76.798
1) TPCL Thermal	10.481	109.989	G) Bilateral Power *		
2) TPCL Hydro	6.665	42.687	1) MSEDCL Bilateral	34.953	207.236
TOTAL TPCL	17.146	152.676	Include PX	0.000	-0.530
3) REL Thermal	12.665	87.135	2) MUMBAI Bilateral	10.625	64.965
D) STATE			Include PX	-1.387	-18.183
1) Thermal (A1+C1+C3)	153.452	1087.835	3) MUMBAI Schedule	17.159	81.249
2) Hydro (A2+B5+C2)	23.556	119.973	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.032	86.194	1) MSEDCL	309.041	2036.492
4) Wind (B4)	7.957	27.469	2) TPCL	30.285	211.817
5) CPP (B1+B2+B3)	42.590	248.579	3) REL	14.764	105.384
TOTAL STATE	239.587	1570.050	TOTAL STATE	354.090	2353.693

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5474	5480	5311
MSGENCO Hydro	1962	326	149
MSGENCO Gas	492	505	507
MSGENCO Total Generation	7928	6311	5967
Central Sector Receipt	5478	4960	4315
WIND	129	537	164
CPP / IPP	1875	1922	1587
Exchange with Mumbai	-911	-884	-306
MSEDCL DEMAND MET	14524	12896	11727
Load Shedding (LS)	51	46	51
MSEDCL DEMAND (INCL. LS)	14575	12942	11778
TPCL GENERATION	886	890	439
REL GENERATION	528	528	528
TPCL+REL DEMAND	2325	2302	1273
STATE DEMAND MET	16849	15198	13000
Load Management (LM)	1529	2961	1447
Total Load Relief (LS+LM)	1580	3007	1498
UNRESTRICTED STATE DEMAND	18429	18205	14498
Frequency (Hz)	49.70	49.78	49.92

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 21.42 Hrs	49.3 Hz at 06.52 Hrs	49.72	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/Feb/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.97	22.38	135	110	135
Unit 6	3.27	24.45	150	125	150
Unit 7	3.86	27.15	170	145	165
Total	10.09	73.99			450
Bhusawal					
Unit 2	4.22	29.48	190	165	180
Unit 3	4.30	29.71	185	170	180
Unit 4	0.00	0.00	0	0	
Total	8.52	59.19			360
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.66	32.57	203	186	195
Unit 5	4.00	26.72	175	140	164
Unit 6	5.51	16.37	257	194	190
Unit 7	5.37	37.89	249	186	195
Total	19.54	113.54			744
Chandrapur					
Unit 1	3.50	24.82	152	141	155
Unit 2	4.08	28.64	177	145	175
Unit 3	4.24	29.11	185	171	180
Unit 4	4.90	34.12	210	195	210
Unit 5	11.23	76.20	485	450	475
Unit 6	10.48	69.44	455	394	450
Unit 7	10.48	69.48	482	361	380
Total	48.91	331.82			2025
Paras					
Unit 3	4.75	37.36	255	160	250
Unit 4	4.64	37.32	245	160	210
Total	9.39	74.68			460
Khaparkheda					
Unit 1	4.96	24.82	210	195	187
Unit 2	4.36	29.72	190	175	159
Unit 3	4.76	30.48	212	180	185
Unit 4	5.27	36.62	222	211	193
Unit 5	0.00	14.00	0	0	
Total	19.34	135.64			724
Nasik					
Unit 3	4.96	34.91	220	185	210
Unit 4	4.82	33.97	211	182	205
Unit 5	4.74	32.97	206	186	205
Total	14.51	101.86			620
Uran					
All Units	12.03	86.19	507	488	500
Total	12.03	86.19			500
PENCH (MS)					
Pench (MS)	0.34	2.75	50	0	
Total	0.34	2.75			
Koyna					
Stage 1-2	3.49	15.20	450	35	600
Stage 4	5.34	9.80	843	0	250
Stage 3	1.69	5.96	312	0	320
Total	10.52	30.96			1170
Kovna 12&4 Total	8.84	25.00			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	1.70	0	0	18
VTRNA	0.75	5.42	61	0	60
TILLARI	0.36	2.57	60	0	60
BHTGR/VEER	0.09	0.65	4	3	0
BHIRA T.R.	0.46	2.63	81	0	80
RNGR+BHTSA	0.35	2.46	15	13	15
BHANDARDRA	0.78	4.71	33	32	30
ELDARY	0.32	2.26	14	13	0
SMLHY PTN	0.94	7.09	47	36	33
GHATGHAR	1.98	14.07	250	0	0
Total	6.02	43.57			296
Wind					
MalharPeth	0.14	1.63			
Vankuswadi	0.22	1.76			
ATIT	0.02	0.40			
Kale	0.09	0.68			
Satara	0.71	3.55			
Shirala	0.15	0.81			
K Mahankal	0.02	1.12			
Supa	0.15	0.75			
Vita	0.54	2.83			
Dondaicha	4.59	9.58			
Sakri	0.43	1.03			
Nandurbar	0.43	0.89			
Khandke	0.24	1.51			
Khaparale	0.22	0.94			
Total	7.96	27.47			
CPP					
JSW JAIGAD	26.21	146.37	1197	892	1045
WARDHA	9.62	53.00	445	328	440
Other CPPs	6.76	49.22			
Total	42.59	248.58			1485
Tata					
Trombay 4	0.00	0.00	0	0	
Trombay 5	0.00	0.00	0	0	0
Trombay 6	0.00	38.77	0	0	0
Trombay 7A	3.04	20.27	130	118	120
Trombay 7B	1.65	11.35	70	66	60
Trombay 8	5.80	39.60	246	238	250
TATA Hydro	6.66	42.69	459	0	447
Total	17.15	152.68			877
REL					
1&2	12.66	87.14	529	526	500
Total	12.66	87.14			500
Cent Sect					
Share					5349
Total					5349

MS PG CL	Thermal	130.31	890.71			5383
	Thml+Gas	142.34	976.90			5883
	Hydro	16.55	74.54			1466
	Total	158.88	1051.44			7349
State Total		239.59	1570.05			15560

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 07/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	5363	134	506	6003	163	1500	4612	4587	-603	-493	11760	1909	11857	1455	15124	49.66
2	5345	144	504	5993	160	1577	4465	4351	-126	-367	11714	1793	11765	1333	14840	49.81
3	5311	149	507	5967	164	1587	4465	4315	-126	-306	11727	1498	11778	1273	14498	49.92
4	5294	159	504	5957	151	1608	4465	4254	-126	-271	11699	1671	11750	1239	14609	49.90
5	5353	145	503	6001	173	1623	4465	4479	-126	-289	11987	1688	12038	1255	14930	49.83
6	5360	180	502	6042	179	1658	4951	4722	-142	-118	12483	1676	12534	1353	15512	49.62
7	5313	980	502	6795	164	1757	4482	4768	-254	-155	13329	1676	13380	1563	16568	49.60
8	5441	1759	503	7703	154	1823	4796	4915	-371	-277	14318	1932	14369	1704	17954	49.67
9	5533	1960	498	7991	146	1902	4798	4897	-596	-569	14367	1880	14418	1995	18242	49.63
10	5520	2068	495	8083	97	1876	5087	5109	-912	-783	14390	1693	14441	2199	18282	49.65
11	5474	1962	492	7928	129	1875	5236	5478	-1099	-911	14524	1580	14575	2325	18429	49.70
12	5500	1895	488	7883	126	1906	5309	5395	-1167	-908	14429	1587	14480	2323	18339	49.72
13	5550	1430	494	7474	171	1921	5482	5379	-1127	-878	14092	1634	14189	2277	18003	49.69
14	5545	821	495	6861	388	1853	5412	5470	-1028	-814	13783	1561	13829	2174	17518	49.76
15	5538	507	503	6548	488	1853	5452	5656	-1051	-834	13736	1509	13782	2182	17427	49.70
16	5483	175	506	6164	595	1849	5487	5864	-1040	-859	13626	1517	13672	2148	17291	49.80
17	5476	248	506	6230	671	1853	5303	5079	-1037	-888	12945	1925	12991	2162	17032	49.87
18	5506	236	505	6247	485	1900	5251	4029	-998	-853	11808	2325	11854	2129	16262	49.83
19	5490	312	505	6307	482	1931	5106	4720	-1057	-878	12607	2982	12653	2180	17769	49.74
20	5480	326	505	6311	537	1922	5097	4960	-1079	-884	12896	3007	12942	2302	18205	49.78
21	5471	308	505	6284	535	1859	5287	4364	-947	-797	12295	3007	12341	2166	17468	49.79
22	5359	239	504	6102	600	1687	5676	3959	-806	-779	11616	3007	11662	1971	16594	49.85
23	5338	204	500	6042	610	1647	5115	3979	-739	-725	11558	2865	11604	1771	16194	48.88
24	5263	205	500	5968	589	1623	4924	3772	-603	-600	11352	2358	11398	1568	15278	49.87
MUs	130.31	16.55	12.03	158.88	7.96	42.59	120.72	114.50	-17.16	-15.24	309.04	48.28	310.30	45.05	402.37	49.72

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/Feb/2012

Position as on 6.30 Hrs of 08/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.	10/02/2012
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	10/02/2012
Tata Trombay 5	500	11/01/2012	00.19		Continued.	Annual overhaul.	14/02/2012
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	29/02/2012
Cent_Sect NTPC(K-3)	210	28/12/2011	14.00		Continued.	CW Pump Problem	
CPP WPCL U-3	135	28/01/2012	07.48	07/02/2012	01.22	W/Dn,due to bottom ash problem.	
Khaparkheda Unit 5	500	04/02/2012	07:10		Continued.	W/dn.	10/02/2012
Dabhol 1B	230	04/02/2012	13.09		Continued.	Gas Shortage	
Dabhol 3B	230	04/02/2012	23.43		Continued.	Gas Shortage	
Tata Trombay 6	500	05/02/2012	10.33		Continued.	Differential protection.	10/02/2012
Nasik Unit 5	210	08/02/2012	06.05		Continued.	Vibration problem.	10/02/2012

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

Position as on 6.30 Hrs of 08/Feb/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule-Sar'Sarovar - I	07/02/2012	10.05	07/02/2012	18.45	Replacement of insulator string at Loc.no 235(R-Ph) and fixing of E/W quarter pin at Loc.no
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). Temporry reconfigured as Tarapur-Boisar ckt-II
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	05/02/2012	23.12		Continued.	Over Voltage.
Kolhapur - Mapusa - I	06/02/2012	17.48	07/02/2012	10.19	Over Voltage.
Akola - Wardha - II	06/02/2012	22.07	07/02/2012	09.55	Over Voltage.
Kolhapur - Mapusa - II	07/02/2012	16.31		Continued.	Over Voltage
Akola - Wardha - I	07/02/2012	17.51		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Jejuri-403 CB	06/02/2012	10.54	07/02/2012	16.18	CB Overhauling of 400 KV Lonikand bay.
Karad - Kolhapur - II	07/02/2012	10.39		Continued.	Red hot spot at B-Ph line isolator jaw.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT-I @ Girawali	24/11/2011	10.46		Continued.	Augmentation of ICT BY 200 MVA ICT.
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
220/6.6KV,40MVA Strn..T/F-II at Korady	01/02/2012	16.35		Continued.	Replacement of 29B isolator.
Main Bus - I @ Talangade	06/02/2012	10.52		Continued.	Alignment of servicing of bus isolator.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Amravati - Achalpur	16/01/2012	10.10		Continued.	Main bkr.maint.work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogen pressure fire alarm received.
Karad - Kolhapur - I	06/02/2012	16.36	07/02/2012	10.06	Over Voltage.
Bhusawal- Aurangabad	06/02/2012	17.35	07/02/2012	07.20	Over Voltage.
Bhusawal- Aurangabad	07/02/2012	16.46		Continued.	Over Voltage
Deepnagar-Waluj I	07/02/2012	18.09		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	29/01/2012	04.56		Continued.	To control Wardha-Warora Hinganghat 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).
Peth-Nigde	07/02/2012	04.34	07/02/2012	05.16	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 08/Feb/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	120
Unit 6	210	130
Unit 7	210	130
	620	380
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	
	920	360
Parli		
Unit 3	210	0
Unit 4	210	195
Unit 5	210	174
Unit 6	250	200
Unit 7	250	214
	1130	783
Chandrapur		
Unit 1	210	160
Unit 2	210	165
Unit 3	210	175
Unit 4	210	210
Unit 5	500	475
Unit 6	500	450
Unit 7	500	475
	2340	2110
Paras		
Unit 3	250	165
Unit 4	250	170
	500	335
Khaparkheda		
Unit 1	210	210
Unit 2	210	180
Unit 3	210	200
Unit 4	210	210
Unit 5	500	
	1340	800
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	0
	630	420
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	0
VTRNA	60	60
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	10
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	22
GHATGHAR	250	0
	611	277
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	1000
WARDHA	405	330
Other CPPs	0	
	1005	1330
Tata		
Trombay 4	150	
Trombay 5	500	0
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5161
	3455	5161

	17900	15003
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