



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Feb/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/Feb/2012 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.904	503.201	1) Gujrat	7.189	24.282
2) Hydro	8.991	35.884	2) Madhya Pradesh	20.495	75.478
3) Gas	12.031	49.903	3) Chattisgarh	12.800	48.600
Total MSGENCO	143.926	588.988	4) Maharashtra	47.402	185.496
B) OTHERS			5) Goa	-5.926	-23.950
1) JSW JAIGAD	19.671	81.794	6) TAPS 1&2 Injection	7.834	31.329
2) WPCL	7.327	29.189	7) RGPPL Injection	26.617	100.265
3) Other CPP / IPP	7.286	28.306	8) Pench (Excess)	-0.411	-1.368
4) Wind Generation	2.044	15.075	# Total Cent. Sector	116.000	440.132
5) PENCH (MS)	0.411	1.613	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-8.032	-37.898
1) TPCL Thermal	19.549	76.040	G) Bilateral Power *		
2) TPCL Hydro	5.564	23.547	1) MSEDCL Bilateral	28.937	114.124
TOTAL TPCL	25.113	99.587	Include PX	-0.006	-0.530
3) REL Thermal	12.604	49.151	2) MUMBAI Bilateral	8.093	38.616
D) STATE			Include PX	-3.983	-9.089
1) Thermal (A1+C1+C3)	155.057	628.392	3) MUMBAI Schedule	8.093	38.616
2) Hydro (A2+B5+C2)	14.966	61.044	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.031	49.903	1) MSEDCL	288.633	1147.199
4) Wind (B4)	2.044	15.075	2) TPCL	30.359	125.571
5) CPP (B1+B2+B3)	34.284	139.289	3) REL	15.387	61.663
TOTAL STATE	218.382	893.703	TOTAL STATE	334.379	1334.433

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	5038	5272	5071
MSGENCO Hydro	635	390	155
MSGENCO Gas	503	511	494
MSGENCO Total Generation	6176	6173	5720
Central Sector Receipt	5711	5095	4326
WIND	54	155	63
CPP / IPP	1491	1524	1319
Exchange with Mumbai	-533	-448	-290
MSEDCL DEMAND MET	12916	12547	11138
Load Shedding (LS)	1945	643	0
MSEDCL DEMAND (INCL. LS)	14861	13190	11138
TPCL GENERATION	1253	1342	534
REL GENERATION	527	526	523
TPCL+REL DEMAND	2313	2316	1347
STATE DEMAND MET	15229	14863	12485
Load Management (LM)	2052	3436	1632
Total Load Relief (LS+LM)	3997	4079	1632
UNRESTRICTED STATE DEMAND	19226	18942	14117
Frequency (Hz)	49.71	49.70	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.36 Hz at 05.03 Hrs	49.32 Hz at 09.38 Hrs	49.79	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 04/Feb/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.29	13.19	145	129	140
Unit 6	3.50	14.60	172	128	165
Unit 7	3.74	15.98	200	135	190
Total	10.54	43.77			495
Bhusawal					
Unit 2	4.28	16.88	190	170	180
Unit 3	4.29	16.88	190	170	180
Unit 4	0.00	0.00	0	0	
Total	8.57	33.76			360
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.77	18.66	212	180	185
Unit 5	3.30	14.96	172	120	125
Unit 6	1.38	1.38	222	0	0
Unit 7	5.43	21.76	249	197	245
Total	14.89	56.76			555
Chandrapur					
Unit 1	3.53	14.27	152	140	160
Unit 2	4.18	16.29	182	165	175
Unit 3	4.19	16.28	182	147	140
Unit 4	4.84	19.43	210	183	210
Unit 5	11.33	42.60	480	460	480
Unit 6	10.09	39.32	440	385	425
Unit 7	10.33	39.54	470	365	475
Total	48.49	187.74			2065
Paras					
Unit 3	5.19	21.62	250	180	200
Unit 4	5.44	21.92	259	170	190
Total	10.64	43.55			390
Khaparkheda					
Unit 1	0.32	11.48	120	0	0
Unit 2	4.30	16.71	190	163	180
Unit 3	4.35	16.70	196	169	180
Unit 4	5.31	20.91	225	218	210
Unit 5	0.96	14.00	150	0	
Total	15.23	79.81			570
Nasik					
Unit 3	5.04	19.95	220	175	210
Unit 4	4.81	19.27	210	175	210
Unit 5	4.70	18.59	207	170	210
Total	14.55	57.81			630
Uran					
All Units	12.03	49.90	511	493	510
Total	12.03	49.90			510
PENCH (MS)					
Pench (MS)	0.41	1.61	50	0	
Total	0.41	1.61			
Koyna					
Stage 1-2	2.03	7.34	310	40	600
Stage 4	0.00	1.16	0	0	250
Stage 3	1.26	2.43	160	0	320
Total	3.29	10.92			1170
Kovna 12&4 Total	2.03	8.50			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.16	1.57	20	0	18
VTRNA	0.78	3.07	61	0	61
TILLARI	0.38	1.48	60	0	60
BHTGR/VEER	0.10	0.38	4	4	4
BHIRA T.R.	0.37	1.35	80	0	80
RNGR+BHTSA	0.36	1.42	15	15	15
BHANDARDRA	0.47	2.34	27	14	26
ELDARY	0.32	1.29	14	12	13
SMLHY PTN	1.01	4.17	49	39	12
GHATGHAR	1.77	7.88	250	0	0
Total	5.70	24.96			289
Wind					
MalharPeth	0.21	1.30			
Vankuswadi	0.13	1.21			
ATIT	0.02	0.34			
Kale	0.03	0.49			
Satara	0.25	2.30			
Shirala	0.02	0.57			
K Mahankal	0.12	0.74			
Supa	0.07	0.40			
Vita	0.16	1.80			
Dondaicha	0.67	3.72			
Sakri	0.07	0.37			
Nandurbar	0.10	0.36			
Khandke	0.14	0.94			
Khaparale	0.06	0.53			
Total	2.04	15.08			
CPP					
JSW JAIGAD	19.67	81.79	882	760	804
WARDHA	7.33	29.19	334	259	330
Other CPPs	7.29	28.31			
Total	34.28	139.29			1134
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	0.00	0	0	0
Trombay 6	9.36	35.93	501	157	500
Trombay 7A	2.86	11.17	129	72	120
Trombay 7B	1.61	6.39	70	53	60
Trombay 8	5.72	22.55	250	179	250
TATA Hydro	5.56	23.55	439	0	447
Total	25.11	99.59			1377
REL					
1&2	12.60	49.15	529	492	500
Total	12.60	49.15			500
Cent Sect					
Share					4968
Total					4968

MS PG CL	Thermal	122.90	503.20		5065
	Thml+Gas	134.94	553.10		5575
	Hydro	8.99	35.88		1459
	Total	143.93	588.99		7034
State Total		218.38	893.70		15013

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/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	5191	146	493	5830	74	1311	4701	4417	-253	-398	11234	1998	11291	1548	14780	49.78
2	5180	150	494	5824	71	1313	4637	4317	-189	-286	11239	1892	11239	1416	14547	49.96
3	5071	155	494	5720	63	1319	4661	4326	-217	-290	11138	1632	11138	1347	14117	49.99
4	5059	146	493	5698	67	1327	4662	4319	-218	-275	11136	1767	11136	1301	14204	49.99
5	5134	151	493	5778	53	1307	4633	4433	-173	-252	11319	1769	11326	1316	14404	49.89
6	5162	175	494	5831	63	1358	4497	4641	-40	-204	11689	2294	12087	1415	15398	49.82
7	5131	179	505	5815	86	1449	4461	4700	-115	-178	11872	3214	13149	1553	16639	49.71
8	5052	466	506	6024	89	1491	4486	4823	-178	-145	12282	3570	13768	1661	17513	49.77
9	5052	475	500	6027	59	1488	4518	5337	-230	-190	12721	3817	14269	1847	18385	49.72
10	5064	752	510	6326	63	1497	4783	5104	-382	-416	12576	4091	14461	2144	18811	49.64
11	5038	635	503	6176	54	1491	5058	5711	-544	-533	12916	3997	14861	2313	19226	49.71
12	5055	772	498	6325	41	1493	5073	5361	-560	-525	12718	3904	14568	2319	18941	49.65
13	5033	865	495	6393	38	1496	5068	5298	-554	-471	12779	4017	14755	2326	19122	49.73
14	5023	635	495	6153	40	1490	4992	5476	-414	-357	12827	3731	14577	2228	18786	49.80
15	4993	614	501	6108	45	1504	4859	5482	-382	-349	12816	3417	14416	2228	18461	49.75
16	5026	499	500	6025	70	1478	4741	5351	-382	-299	12650	3471	14398	2207	18328	49.86
17	5129	269	501	5899	118	1499	4718	4490	-371	-278	11753	3922	13610	2186	17861	49.76
18	5176	301	510	5987	87	1498	4713	3985	-366	-258	11325	3812	12551	2163	17300	49.87
19	5262	293	511	6066	97	1527	4910	4967	-472	-404	12293	4248	13137	2229	18770	49.76
20	5272	390	511	6173	155	1524	5068	5095	-525	-448	12547	4079	13190	2316	18942	49.70
21	5263	346	510	6119	212	1433	4991	4646	-442	-399	12061	3947	12571	2177	18185	49.71
22	5201	204	506	5911	179	1359	4824	4443	-379	-371	11571	3791	11925	2012	17374	49.75
23	5203	198	504	5905	131	1325	4726	4581	-360	-357	11609	3444	11908	1843	16896	49.79
24	5134	175	504	5813	89	1307	4602	4697	-348	-349	11562	2918	11796	1654	16134	49.75
MUs	122.90	8.99	12.03	143.93	2.04	34.28	114.38	116.00	-8.09	-8.03	288.63	78.74	312.13	45.75	413.12	49.79

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 04/Feb/2012

Position as on 6.30 Hrs of 05/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
Dabhol 3B	230	12/12/2011	23.46	04/02/2012	16.46	Gas shortage.	
Dabhol 3A	230	13/12/2011	16.09		Continued.	Gas Shortage	
Dabhol 3X	290	13/12/2011	16.09		Continued.	Gas Shortage	
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		Continued.	W/Dn,due to bottom ash problem.	
Parli Unit 6	250	31/01/2012	22.03	04/02/2012	13.32	BLR T/L.	
CPP JSW (J) U2	300	01/02/2012	21.39		Continued.	Lubricant system oil leakage.	
Khaparkheda Unit 1	210	03/02/2012	09.07	04/02/2012	16.57	GT Y Ph.H V Side Anchor Point Insulator Broken.	
Khaparkheda Unit 5	500	04/02/2012	07:10		Continued.	W/dn.	10/02/2012
Khaparkheda Unit 1	210	04/02/2012	20.37	05/02/2012	05.41	Vaccum Problem.	
Tata Trombay 6	500	05/02/2012	10.33		Continued.	Differential protection.	06/02/2012
Parli Unit 6	250	05/02/2012	17.42	05/02/2012	20.36	Furnace pressure high.	
Parli Unit 6	250	05/02/2012	21.39	05/02/2012	23.55	M S Temperature very high.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Feb/2012

Position as on 6.30 Hrs of 05/Feb/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dabhol - NewKoyna - II	04/02/2012	10.27	04/02/2012	17.58	For Fixing of Sleeves Conductor & Coronaring.
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). Temprrory reconfigured as Tarapur-Boisar ckt-II
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Mapusa-II	01/02/2012	21.11		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	03/02/2012	16.50	04/02/2012	10.32	Over Voltage.
Wardha - Akola - II	03/02/2012	21.29	04/02/2012	08.59	Over Voltage.
Dhule-Sar'Sarovar - II	04/02/2012	16.39		Continued.	Over Voltage.
Akola - Wardha - I	04/02/2012	21.31		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	04/02/2012	22.50	05/02/2012	08.55	Over Voltage.
Dhule-Sar'Sarovar - I	05/02/2012	23.12		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Reactor on 400KV Parli Ckt.I at Chandrapur	31/01/2012	12.24	04/02/2012	09.17	Attending Oil Leakage.
400/220KV 315MVA ICT-II @ BBLSR	04/02/2012	08.33	05/02/2012	15.22	Fire System Protection Work,Taken on Humming.
Chandrapur - Parli - I	04/02/2012	08.57	04/02/2012	09.17	For Taking Line Reactor I/S.
Bus Coupler @ Dhule	04/02/2012	10.46	04/02/2012	15.20	Annual Maintance & Testing Work.
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
Kalwa - Salshet - III	24/01/2012	11.35		Continued.	Replacement of 29A and B isolator,line taken on TBC.Upto 04.02.2012
Main Bus-II at Koradi	31/01/2012	12.09	04/02/2012	15.51	Isolator replacement work.
220/6.6KV,40MVA Stn..T/F-II at Korady	01/02/2012	16.35		Continued.	Replacement of 29B isolator.
Karad-Oglewadi-I	04/02/2012	11.07	04/02/2012	12.57	For Taking 29B Isolator I/S.
Badnera - Akola - I	04/02/2012	11.13	04/02/2012	16.07	Replacement of R Ph. Jaw of Main Bus -I Isolator.
TBC @ Khaparkheda	04/02/2012	13.30	04/02/2012	16.12	Work of Connecting 2 No's of 220 Spare Baus by T Connectors.
Aarey-Borivali-II	05/02/2012	06.17	05/02/2012	09.33	Inserting Insulator for 220KV Cable Termination @ Borivali Gantry.
Pirangut - Hinjewadi - II	05/02/2012	13.05	05/02/2012	15.42	Hot Spot.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Amravati - Achalpur	16/01/2012	10.10		Continued.	Main bkr.maint.work.
Dhule-Nardhane	04/02/2012	11.03	04/02/2012	13.44	132KV Dhule-Nardana LILO Arrangement is to be Made Normal,As Isolator Replacement Work is

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 04/Feb/2012

Position as on 6.30 Hrs of 05/Feb/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					Completed.
Voltage Level : 400KV		Outage Type HAND TRIPPED			
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogran pressure fire alarm received.
Bhusawal- Aurangabad	02/02/2012	17.00	04/02/2012	07.56	Over Voltage.
Karad - Kolhapur - II	02/02/2012	21.48	04/02/2012	09.02	Over Voltage.
Bhusawal- Aurangabad	04/02/2012	16.52	05/02/2012	06.52	Over Voltage.
Karad - Kolhapur - I	04/02/2012	21.25	05/02/2012	08.58	Over Voltage.
Karad - Kolhapur - II	05/02/2012	16.05		Continued.	Over Voltage.
Bhusawal- Aurangabad	05/02/2012	17.23		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.
Nasik-Bablsr - I	02/02/2012	09:28	04/02/2012	09.06	To Control Bus Coupler loading.
Voltage Level : 400KV		Outage Type TRIPPED			
400/220 KV 100 MVA Spare Unit @ Koradi	21/01/2012	03.36		Continued.	Buchholz Alarm Persist.
New Koyna - Koyna Stage IV - II	04/02/2012	16.20	04/02/2012	17.00	Over Voltage.
Jejuri-Koyna STG-IV	04/02/2012	16.31	04/02/2012	16.55	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).
Voltage Level : 132KV		Outage Type TRIPPED			
Deepnagar-Nimbhora	05/02/2012	00.55	05/02/2012	04.05	Y Ph. C T Burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/Feb/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	125
Unit 6	210	140
Unit 7	210	140
	620	405
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	
	920	360
Parli		
Unit 3	210	0
Unit 4	210	200
Unit 5	210	165
Unit 6	250	220
Unit 7	250	220
	1130	805
Chandrapur		
Unit 1	210	160
Unit 2	210	165
Unit 3	210	180
Unit 4	210	210
Unit 5	500	475
Unit 6	500	420
Unit 7	500	400
	2340	2010
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	0
Unit 2	210	180
Unit 3	210	180
Unit 4	210	210
Unit 5	500	
	1340	570
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	210
	630	630
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	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	27
ELDARY	23	13
SMLHY PTN	12	12
GHATGHAR	250	
	611	290
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	800
WARDHA	405	294
Other CPPs	0	
	1005	1094
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4788
	3455	4788