



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

State Load Dispatch Center, Airoli

Daily system Report

for

03/Feb/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 03/Feb/2009 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	128.763	389.047	1) Madhya Pradesh	65.305	195.751
2) Hydro	12.188	31.994	2) Gujrat	17.336	50.806
3) Gas	15.001	45.248	3) Goa	-5.698	-17.003
Total MSGENCO	155.952	466.289	4) TAPS 1&2 (Inj.)	7.423	22.061
B) OTHERS			5) Pench (Excess)	0.000	0.000
1) RGPPL Gas	7.413	22.011	# Total Cent. Sector	84.366	251.615
2) Wind Generation	2.178	6.007	F) Other Exchanges		
3) PENCH (MS)	0.000	0.000	1) With TPCL	-5.922	-15.119
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	18.962	56.399	1) MSEDCL Bilateral	10.527	31.596
2) TPCL Hydro	5.490	11.559	Include PX	3.194	9.599
TOTAL TPCL	24.452	67.958	2) MUMBAI Bilateral	6.605	17.766
3) REL Thermal	12.703	38.139	Include PX	1.073	4.238
D) STATE			3) MUMBAI Schedule	6.605	17.766
1) Thermal (A1+C1+C3)	160.428	483.585	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	17.678	43.553	1) MSEDCL	243.987	730.803
3) Gas (A3+B1)	22.414	67.259	2) TPCL	28.740	80.448
4) Wind (B2)	2.178	6.007	3) REL	14.336	40.772
TOTAL STATE	202.698	600.404	TOTAL STATE	287.063	852.023

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 1 Hrs
MSGENCO Thermal	5345	5406	5486
MSGENCO Hydro	512	1100	201
MSGENCO Gas	669	652	500
MSGENCO Total Generation	6526	7158	6187
Central Sector Receipt	3749	3619	2746
RGPPL	306	310	314
WIND	44	171	92
Exchange with TPCL	-437	-447	-8
MSEDCL DEMAND MET	10188	10811	9331
Load Shedding	4345	4170	98
MSEDCL DEMAND (INCL. LS)	14533	14981	9429
TPCL GENERATION	1090	1230	743
REL GENERATION	529	530	531
TPCL+REL DEMAND	2056	2207	1282
STATE DEMAND MET	12244	13018	10613
STATE DEMAND (INCL. LS)	16589	17188	10711
Frequency (Hz)	49.20	49.37	49.46
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4934 MW AT 13.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			80.140 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.02 Hz at 04.04 Hrs	48.79 Hz at 23.06 Hrs	49.34	4.86 % of Time

* 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 03/Feb/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.68	4.96	77	52	70
Unit 2	1.86	5.12	82	72	70
Unit 3	0.00	0.00	0	0	0
Unit 4	1.50	4.76	87	27	50
Unit 5	3.52	11.81	180	123	180
Unit 6	3.52	11.54	180	117	160
Unit 7	3.51	12.18	178	119	150
	15.58	50.37			680
Bhusawal					
Unit 1	0.58	1.75	27	20	25
Unit 2	4.33	12.38	190	161	185
Unit 3	4.36	12.58	200	165	190
	9.27	26.70			400
Parli					
Unit 1	0.54	1.57	24	21	20
Unit 2	0.59	1.72	26	22	20
Unit 3	4.23	7.47	185	163	180
Unit 4	3.99	12.04	186	140	180
Unit 5	4.62	13.25	207	155	180
Unit 6	5.08	15.83	239	191	220
	19.05	51.87			800
Chandrapur					
Unit 1	1.92	1.92	163	0	60
Unit 2	4.09	12.33	176	165	170
Unit 3	5.08	15.27	214	210	210
Unit 4	4.69	13.97	198	192	190
Unit 5	10.92	32.46	475	420	470
Unit 6	10.55	31.47	460	400	460
Unit 7	10.42	30.74	473	410	470
	47.66	138.15			2030
Paras					
Unit 2	0.54	2.04	26	20	40
Unit 3	4.38	14.81	229	128	150
	4.92	16.86			190
Khaparkheda					
Unit 1	4.82	14.56	205	192	200
Unit 2	4.42	13.90	191	178	200
Unit 3	4.26	14.14	208	162	200
Unit 4	4.83	14.44	207	175	200
	18.32	57.04			800
Nasik					
Unit 1	0.00	3.70	0	0	0
Unit 2	2.19	6.57	98	87	95
Unit 3	4.68	14.42	207	176	200
Unit 4	4.62	14.21	202	182	200
Unit 5	2.46	9.15	191	0	200
	13.95	48.06			695
Uran					
All Units	15.00	45.25	681	500	580
	15.00	45.25			580
Koyna					
Stage 1-2	2.08	6.26	235	30	600
Stage 4	4.28	9.08	552	0	250
Kovna 12&4 Total	6.36	15.34			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.15	3.38	318	0	240
	7.51	18.73			1090
Hydro					
KDPH	0.31	2.13	39	0	36
VTRNA	1.46	3.48	61	60	60
TILLARI	0.48	1.06	60	0	60
BHTGR/VEER	1.34	3.41	56	56	40
BHIRA T.R.	0.21	0.59	81	0	80
RNGR+BHTSA	0.38	1.11	16	15	10
BHANDARDRA	0.00	0.00	0	0	20
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.20	12	0	11
GHATGHAR	0.44	1.30	120	0	0
	4.68	13.27			317
PENCH (MS)					
Pench (MS)	0.00	0.00	0	0	
	0.00	0.00			
Wind					
MalharPeth	0.14	0.34			
Vankuswadi	0.28	0.77			
ATIT	0.03	0.08			
Kale	0.08	0.21			
Satara	0.11	0.27			
Shirala	0.09	0.22			
K Mahankal	0.01	0.03			
Supa	0.03	0.17			
Vita	0.46	1.18			
Dondaicha	0.52	1.48			
Sakri	0.10	0.33			
Nandurbar	0.07	0.18			
Khadakale	0.16	0.54			
Khaparale	0.09	0.20			
	2.18	6.01			
Dabhol					
RGPP L II	7.41	22.01	329	300	300
RGPP L III		0.00	0	0	
	7.41	22.01			300
Tata					
Trombay 4	3.03	8.31	136	103	110
Trombay 5	12.00	36.00	500	500	0
Trombay 6	0.00	0.00	0	0	500
Trombay 7A	2.43	7.52	113	80	110
Trombay 7B	1.50	4.57	66	57	110
TATA Hydro	5.49	11.56	473	2	447
	24.45	67.96			1277
REL					
1&2	12.70	38.14	531	528	500
	12.70	38.14			500
Cent Sect					
Share					3434
					3434

MS PG CL	Thermal	128.76	389.05		5595
	Thml+Gas	143.76	434.30		6175
	Hydro	12.19	31.99		1407
	Total	155.95	466.29		7582
State Total		202.70	600.40		13093

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 03/Feb/2009

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CS SHARE	CS RECPT	TPCL SCH.	TPCL NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS													
1	5486	201	500	6187	314	92	3031	2746	-34	-8	9331	98	9429	1282	10711	49.46
2	5423	211	510	6144	306	99	3015	2845	16	40	9434	42	9476	1250	10726	49.60
3	5369	221	514	6104	305	102	2968	3046	66	93	9650	32	9682	1197	10879	49.63
4	5318	216	516	6050	306	97	2922	3237	116	141	9831	177	10008	1150	11158	49.59
5	5332	231	527	6090	306	91	2948	3152	91	112	9751	1560	11311	1181	12492	49.50
6	5481	240	655	6376	308	87	3004	3064	16	36	9871	2377	12248	1254	13502	49.28
7	5512	345	675	6532	308	75	3011	2962	-9	8	9885	3325	13210	1413	14623	49.18
8	5431	295	676	6402	309	71	3282	3278	-43	-17	10043	3717	13760	1512	15272	49.10
9	5375	183	681	6239	308	49	3356	3458	-114	-93	9961	4228	14189	1776	15965	49.37
10	5345	512	669	6526	306	44	3713	3749	-461	-437	10188	4345	14533	2056	16589	49.20
11	5334	523	651	6508	304	33	3711	3958	-461	-441	10362	3823	14185	2183	16368	49.29
12	5267	673	643	6583	304	39	3731	4034	-485	-461	10499	4022	14521	2258	16779	49.29
13	5283	1011	634	6928	303	39	3845	3887	-485	-460	10697	3945	14642	2219	16861	49.23
14	5257	875	633	6765	302	53	3845	3786	-485	-457	10449	3910	14359	2131	16490	49.21
15	5240	802	630	6672	300	106	3843	3976	-485	-455	10599	3820	14419	2177	16596	49.14
16	5250	695	633	6578	300	125	3842	3806	-485	-454	10355	3922	14277	2167	16444	49.19
17	5252	762	636	6650	302	128	3839	4017	-485	-459	10638	3826	14464	2168	16632	49.25
18	5274	664	634	6572	304	140	3874	4193	-547	-516	10693	3598	14291	2164	16455	49.44
19	5431	824	651	6906	307	133	3648	3906	-437	-402	10850	3925	14775	2117	16892	49.47
20	5406	1100	652	7158	310	171	3477	3619	-485	-447	10811	4170	14981	2207	17188	49.37
21	5442	765	661	6868	319	159	3350	3750	-403	-364	10732	3757	14489	2048	16537	49.46
22	5446	480	671	6597	327	92	3359	3506	-396	-356	10166	3760	13926	1902	15828	49.32
23	5386	172	676	6234	329	79	3402	3499	-400	-356	9785	3583	13368	1738	15106	49.41
24	5413	187	671	6271	326	74	3089	2933	-208	-169	9435	2774	12209	1527	13736	49.18
MUs	128.75	12.19	15.00	155.94	7.41	2.18	82.10	84.41	-6.60	-5.92	244.02	72.74	316.75	43.08	359.83	49.34

NOTE : ALL VALUES IN MW

TPCL Sch./Net Exch is shown with reference to MSETCL System. (+) indicates TPCL to MSETCL and (-) indicates MSETCL to TPCL. TPCL Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss for export)
Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 03/Feb/2009

Position as on 6.30 Hrs of 04/Feb/2009

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect KARPR1	220	01/07/2008	00:10		Continued.	COH(En-Mass Coolant Clanel Replacement)	31/03/2010
Tata Trombay 6	500	13/01/2009	00.11		Continued.	Capital overhaul	17/02/2009
Koradi Unit 3	105	18/01/2009	04.39		Continued.	Annual Overhaul	13/02/2009
Koyna Unit 12	80	20/01/2009	00.00	03/02/2009	10.50	Maintenance work	
Koyna ST-IV 1	250	20/01/2009	22:00		Continued.	Annual Overhaul	20/02/2009
Cent_Sect KARPR2	220	03/02/2009	00.24		Continued.	Bi-Annual overhaul work	10/03/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	01/07/2009
Uran Unit 4	60	01/04/2008	00:00		Continued.	Gas Restriction	
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 3	60	23/10/2008	06.40		Continued.	Gas Restriction	
Dabhol 3A	230	08/11/2008	13.45		Continued.	Exhaust temp.& vibn.high	01/06/2009
Dabhol 3B	230	19/11/2008	19.55		Continued.	W/dn	31/03/2009
Dabhol 3X	290	19/11/2008	19.58		Continued.	W/dn	31/03/2009
Dabhol 1X	290	22/01/2009	12.03		Continued.	BHMS Installation work	08/02/2009
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	08/02/2009
Chandrapur Unit 1	210	30/01/2009	16.50	03/02/2009	07.17	Fire In Wind Box	
Nasik Unit 1	125	02/02/2009	15.25		Continued.	Boiler Tube Leakage	05/02/2009
Nasik Unit 5	210	03/02/2009	13.30		Continued.	Boiler Tube Leakage	06/02/2009
Bhusawal Unit 2	210	04/02/2009	06.05		Continued.	Furnace Pressure High	04/02/2009

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 03/Feb/2009

Position as on 6.30 Hrs of 04/Feb/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Mapusa Ckt I	03/02/2009	00.13	03/02/2009	09.35	H/T FOR O/V
DHULE-SAR'SAROVAR-I	03/02/2009	00.13		Continued.	H/T FOR O/V
Dhule-Sar'Sarovar II	03/02/2009	23.04		Continued.	H/T FOR O/V
Voltage Level : 220KV			Outage Type TRIPPED		
Tillary-Phonda	02/02/2009	13.28		Continued.	Tripped on Dist.Prot.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Spare ICT @ Karad	02/02/2009	10.43		Continued.	O/H Work.
KORADY-BHSWL CKT. I	02/02/2009	22.32	03/02/2009	02.30	Main Breaker Protection Trials @ Bhusawal End
Padgha-Kharghar	03/02/2009	09.18	03/02/2009	19.41	Replacement of Y&B phase CVT
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
ICT - III at Harangul	20/12/2008	14.53		Continued.	Detail Testing Work for Bucholz Alarm.
52B Breaker interconnector at Kalwa	28/01/2009	09.30		Continued.	Breaker Replacement
Mudshingi-Karad CKT IV	03/02/2009	10.39	03/02/2009	15.30	Q.M. & Testing work
Bhugaon-Wardha	03/02/2009	11.55	03/02/2009	18.23	Testing Work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
BBLSR-BHUSAWAL	02/02/2009	22.29	03/02/2009	02.34	For Koradi-Bhusawal-I Outage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
PUSAD - PARBHANI	31/01/2009	22.33	03/02/2009	10.30	For Controlling C'pur ICT loading.
Parly - Harangul - I	03/02/2009	00.11	03/02/2009	16.43	Due to Compressor Problem.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 04/Feb/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	0
Unit 4	105	70
Unit 5	200	140
Unit 6	210	140
Unit 7	210	160
	1040	650
Bhusawal		
Unit 1	58	25
Unit 2	210	180
Unit 3	210	180
	478	385
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	175
Unit 4	210	155
Unit 5	210	195
Unit 6	250	210
	940	775
Chandrapur		
Unit 1	210	165
Unit 2	210	170
Unit 3	210	210
Unit 4	210	190
Unit 5	500	400
Unit 6	500	460
Unit 7	500	450
	2340	2045
Paras		
Unit 2	55	20
Unit 3	250	180
	305	200
Khaparkheda		
Unit 1	210	200
Unit 2	210	200
Unit 3	210	170
Unit 4	210	170
	840	740
Nasik		
Unit 1	120	0
Unit 2	120	95
Unit 3	210	200
Unit 4	210	200
Unit 5	210	0
	870	495
Uran		
All Units	852	650
	852	650
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	36
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	40
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	286
PENCH (MS)		
Pench (MS)	53	
	53	
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	
Khadakale	0	
Khaparale	0	
	0	
Dabhol		
RGPL II	740	300
RGPL III	740	
	1480	300
Tata		
Trombay 4	150	150
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
TATA Hydro	444	447
	1774	1277
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3730
	3143	3730