



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

State Load Dispatch Center, Airoli

Daily system Report

for

17/Feb/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 17/Feb/2009 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	124.581	2122.954	1) Madhya Pradesh	66.074	1124.537
2) Hydro	18.698	222.262	2) Gujrat	18.994	304.894
3) Gas	14.093	251.573	3) Goa	-5.974	-95.041
Total MSGENCO	157.372	2596.789	4) TAPS 1&2 (Inj.)	7.376	125.597
B) OTHERS			5) Pench (Excess)	0.000	0.023
1) RGPPL Gas	8.173	122.147	# Total Cent. Sector	86.470	1460.010
2) Wind Generation	1.773	45.094	F) Other Exchanges		
3) PENCH (MS)	0.000	0.000	1) With TPCL	-6.617	-99.271
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	19.142	310.745	1) MSEDCL Bilateral	10.549	176.875
2) TPCL Hydro	6.431	76.380	Include PX	1.538	48.811
TOTAL TPCL	25.573	387.125	2) MUMBAI Bilateral	7.190	114.052
3) REL Thermal	12.707	215.958	Include PX	1.694	22.378
D) STATE			3) MUMBAI Schedule	7.190	114.502
1) Thermal (A1+C1+C3)	156.430	2649.657	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	25.129	298.642	1) MSEDCL	247.171	4124.769
3) Gas (A3+B1)	22.266	373.720	2) TPCL	29.856	465.612
4) Wind (B2)	1.773	45.094	3) REL	15.041	236.798
TOTAL STATE	205.598	3367.113	TOTAL STATE	292.068	4827.179

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	5284	5245	5092
MSGENCO Hydro	587	1490	208
MSGENCO Gas	655	589	630
MSGENCO Total Generation	6526	7324	5930
Central Sector Receipt	3838	3780	3418
RGPPL	373	308	328
WIND	87	64	50
Exchange with TPCL	-384	-454	24
MSEDCL DEMAND MET	10440	11022	9750
Load Shedding	4135	3778	0
MSEDCL DEMAND (INCL. LS)	14575	14800	9750
TPCL GENERATION	1199	1280	788
REL GENERATION	529	529	529
TPCL+REL DEMAND	2112	2263	1293
STATE DEMAND MET	12552	13285	11043
STATE DEMAND (INCL. LS)	16687	17063	11043
Frequency (Hz)	49.40	49.30	49.86
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			5093 MW at 13.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			89.0140 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.29 Hz at 04.06 Hrs	48.88 Hz at 19.33 Hrs	49.48	1.54 % 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 17/Feb/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.50	27.56	69	35	65
Unit 2	1.70	29.39	82	48	70
Unit 3	0.00	0.00	0	0	0
Unit 4	1.55	27.20	79	40	65
Unit 5	4.00	67.56	185	157	160
Unit 6	0.00	25.94	0	0	0
Unit 7	3.86	70.72	171	148	160
	12.62	248.38			520
Bhusawal					
Unit 1	0.65	10.27	29	22	25
Unit 2	0.00	50.64	0	0	0
Unit 3	4.60	69.68	197	182	190
	5.25	130.59			215
Parli					
Unit 1	0.49	8.95	22	19	20
Unit 2	0.56	9.83	24	22	20
Unit 3	4.17	64.35	182	153	165
Unit 4	4.22	68.14	197	150	150
Unit 5	0.00	59.57	0	0	0
Unit 6	5.72	85.90	249	221	210
	15.16	296.75			565
Chandrapur					
Unit 1	4.10	58.32	181	166	165
Unit 2	4.25	70.14	179	174	175
Unit 3	5.10	67.98	212	209	210
Unit 4	4.60	77.86	194	167	195
Unit 5	9.71	158.52	454	299	450
Unit 6	10.19	162.94	468	386	450
Unit 7	10.39	140.18	474	358	450
	48.34	735.94			2095
Paras					
Unit 2	1.08	15.08	49	36	40
Unit 3	4.06	86.31	236	117	110
	5.14	101.39			150
Khaparkheda					
Unit 1	4.82	81.28	207	192	200
Unit 2	4.61	78.86	201	178	200
Unit 3	4.84	80.07	204	193	200
Unit 4	4.82	80.51	205	192	200
	19.09	320.74			800
Nasik					
Unit 1	2.28	32.10	100	90	95
Unit 2	2.22	28.32	99	83	95
Unit 3	4.92	81.34	209	190	200
Unit 4	4.78	81.55	205	192	200
Unit 5	4.78	65.85	210	184	200
	18.98	289.17			790
Uran					
All Units	14.09	251.57	662	457	660
	14.09	251.57			660
Koyna					
Stage 1-2	1.92	39.66	195	40	600
Stage 4	9.71	83.42	818	0	250
Kovna 12&4 Total	11.63	123.08			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.26	26.30	240	0	240
	13.89	149.38			1090
Hydro					
KDPH	0.91	8.75	38	37	36
VTRNA	1.44	20.70	61	60	60
TILLARI	0.38	6.72	60	0	60
BHTGR/VEER	1.32	20.90	55	55	51
BHIRA T.R.	0.33	4.22	82	0	80
RNGR+BHTSA	0.36	5.95	15	15	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.90	11	0	10
GHATGHAR	0.00	4.74	0	0	0
	4.81	72.89			312
PENCH (MS)					
Pench (MS)	0.00	0.00	0	0	
	0.00	0.00			
Wind					
MalharPeth	0.09	2.24			
Vankuswadi	0.22	5.14			
ATIT	0.01	0.59			
Kale	0.03	2.06			
Satara	0.10	2.07			
Shirala	0.03	1.56			
K Mahankal	0.02	0.25			
Supa	0.06	1.18			
Vita	0.75	9.28			
Dondaicha	0.07	12.54			
Sakri	0.02	2.35			
Nandurbar	0.01	1.84			
Khadakale	0.31	3.17			
Khaparale	0.04	0.84			
	1.77	45.09			
Dabhol					
RGPP L II	8.17	122.15	438	302	300
RGPP L III	0.00	0.00	0	0	0
	8.17	122.15			300
Tata					
Trombay 4	2.99	45.83	138	103	120
Trombay 5	12.12	204.49	505	505	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.51	40.88	107	101	100
Trombay 7B	1.52	19.54	64	62	60
TATA Hydro	6.43	76.38	473	2	442
	25.57	387.12			1222
REL					
1&2	12.71	215.96	531	528	500
	12.71	215.96			500
Cent Sect					
Share					3386
					3386

MS PG CL	Thermal	124.58	2122.95		5135
	Thml+Gas	138.67	2374.53		5795
	Hydro	18.70	222.26		1402
	Total	157.37	2596.79		7197
State Total		205.60	3367.11		12605

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/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	5097	212	628	5937	329	48	2880	3102	-56	-28	9388	320	9708	1360	11068	49.80
2	5092	208	630	5930	328	50	2832	3418	-6	24	9750	0	9750	1293	11043	49.86
3	5085	208	630	5923	326	61	2809	3494	19	50	9854	0	9854	1261	11115	49.85
4	5117	218	656	5991	326	97	2785	3601	44	75	10090	412	10502	1236	11738	49.85
5	5118	233	661	6012	333	118	2786	3306	45	77	9846	1971	11817	1233	13050	49.71
6	5147	584	660	6391	347	138	2815	3222	-28	2	10100	2535	12635	1307	13942	49.35
7	5272	711	660	6643	366	133	2947	3109	-148	-119	10132	3660	13792	1465	15257	49.32
8	5268	440	661	6369	371	142	3326	3447	-157	-127	10202	3893	14095	1609	15704	49.30
9	5282	327	662	6271	371	112	3288	3580	-169	-141	10193	4115	14308	1812	16120	49.57
10	5284	587	655	6526	373	87	3556	3838	-413	-384	10440	4135	14575	2112	16687	49.40
11	5240	728	640	6608	412	75	3680	3740	-508	-479	10356	3782	14138	2281	16419	49.26
12	5260	1016	631	6907	437	65	3652	3877	-508	-481	10805	4099	14904	2287	17191	49.29
13	5272	1262	490	7024	438	44	3690	3797	-508	-505	10798	4049	14847	2309	17156	49.24
14	5224	1240	462	6926	332	34	3659	3785	-460	-458	10619	4027	14646	2253	16899	49.32
15	5215	1289	457	6961	302	34	3632	3779	-437	-433	10643	3949	14592	2227	16819	49.22
16	5154	1067	458	6679	303	40	3630	3806	-437	-433	10395	4051	14446	2232	16678	49.36
17	5161	1044	462	6667	304	52	3617	3912	-437	-438	10497	3950	14447	2237	16684	49.41
18	5340	982	465	6787	309	56	3774	4020	-541	-502	10670	3774	14444	2293	16737	49.73
19	5355	1154	502	7011	309	55	3749	3865	-423	-416	10824	3763	14587	2219	16806	49.59
20	5245	1490	589	7324	308	64	3527	3780	-460	-454	11022	3778	14800	2263	17063	49.30
21	5211	1400	638	7249	311	52	3517	3698	-431	-399	10911	3316	14227	2192	16419	49.41
22	5185	1066	606	6857	311	69	3527	3714	-431	-393	10558	3336	13894	2056	15950	49.34
23	5141	770	598	6509	313	78	3505	3579	-435	-396	10083	3084	13167	1761	14928	49.47
24	5049	462	588	6099	314	69	3284	3348	-308	-259	9571	2332	11903	1599	13502	49.57
MUs	124.81	18.70	14.09	157.60	8.17	1.77	80.47	86.82	-7.19	-6.62	247.75	72.33	320.08	44.90	364.98	49.48

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 17/Feb/2009

Position as on 6.30 Hrs of 18/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	19/02/2009
Koradi Unit 3	105	18/01/2009	04.39		Continued.	Annual Overhaul	19/02/2009
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
Koradi Unit 6	210	08/02/2009	02.11		Continued.	ANNUAL MAINT. WORK	15/03/2009
Koyna Unit 9	80	12/02/2009	00.00		Continued.	Annual Overhaul	24/02/2009
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 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	10/03/2009
Dabhol 1X	290	06/02/2009	11:00	17/02/2009	05.33	Turbine Problem	
Parli Unit 5	210	15/02/2009	12.02		Continued.	Boiler Tube Leakage	18/02/2009
Cent_Sect NTPC(K-3)	210	16/02/2009	09.03	17/02/2009	06.58	Boiler Tube Leakage	17/02/2009
Cent_Sect NTPC(V-5)	210	16/02/2009	18.40	17/02/2009	22.35	Boiler Tube Leakage	19/02/2009
Bhusawal Unit 2	210	16/02/2009	19.37		Continued.	Boiler Tube Leakage	19/02/2009
Uran Unit 7	108	17/02/2009	12.19	17/02/2009	18.10	Air Filtor Replacement.	
Dabhol 1X	290	17/02/2009	13.14		Continued.	Gas/Air Purging system problem.	
Dabhol 1A	230	17/02/2009	13.17	18/02/2009	03.13	Gas/Air Purging system problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/Feb/2009

Position as on 6.30 Hrs of 18/Feb/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Momewadi -Halkarni	17/02/2009	08.25	17/02/2009	16.30	Insulator Replacement
Voltage Level : 400KV			Outage Type HAND TRIPPED		
DHULE-SAR'SAROVAR-I	15/02/2009	17.38	17/02/2009	17.18	H/T FOR O/V
KOLHAPUR-MAPUSA CKT II	17/02/2009	23.33		Continued.	H/T FOR O/V
Dhule-Sar'Sarovar II	17/02/2009	23.51		Continued.	H/T FOR O/V
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Spare ICT @ Karad	02/02/2009	10.43		Continued.	O/H Work.
400/220KV 315MVA ICT-I at Kharghar	16/02/2009	09.43	17/02/2009	10.54	A&B Bus Isolator R.M.work(ICT HV side on TBC)
Kalwa-Kharghar	17/02/2009	09.14	17/02/2009	19.52	R.M. Work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
ICT - III at Harangul	20/12/2008	14.53		Continued.	New ICT commissioning work
L.V.Breaker 400/220 KV ICT-II at Klw.	10/02/2009	13.28		Continued.	ICT-II on TBC.Br.Repl.
Pedambe-Kharepatan	17/02/2009	10.10	17/02/2009	19.19	C.T.Replacement.
75 MVA,220/110 KV ICT @ Ogalewadi	17/02/2009	10.10	17/02/2009	16.20	To attend oil leakage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
220/100 KV ICT-3 at Borivali	15/02/2009	02:17		Continued.	H/T Attending Sparking LV Side.
Pophali-KDPH	17/02/2009	09.00	17/02/2009	10.30	B ph Isolator Red Hot.
Lonand - Jejuri	17/02/2009	23.48	18/02/2009	00.15	Hand Tripped as No Supply.
Lonikhand-Ranjangaon	18/02/2009	00.13		Continued.	To control Lonikand ICT Load.
Lonikhand-Ranjangaon	18/02/2009	00.13		Continued.	To control Lonikand ICT Load.
Jejuri - Lonand	18/02/2009	01.41	18/02/2009	05.21	Hand Tripped
Voltage Level : 400KV			Outage Type TRIPPED		
LONIKHAND-PARLY-I	17/02/2009	16.41	17/02/2009	16.45	Tripped at Lonikand end only.
400/220 KV ICT @ Jejuri	17/02/2009	23.48	18/02/2009	05.10	Tripped,Bus Bar Protecion R ph L V side line Isolator Jaw Burnt & all 220 KV Lines Tripped.
Voltage Level : 220KV			Outage Type TRIPPED		
Bablsr-Ranjangaon	17/02/2009	00.08	17/02/2009	00.28	Tripped on Dist.Prot.
ICT - I @ Chailsgaon	17/02/2009	22.05	17/02/2009	23.11	Tripped on Occurance.
ICT - II @ Chailsgaon	17/02/2009	22.05	17/02/2009	22.55	Tripped on Occurance.
Jejuri-Jejuri I	17/02/2009	23.46	18/02/2009	02.43	Hand Tripped To Curtail ICT Load on Account of Sparking.
Jejuri - Baramati	17/02/2009	23.48	18/02/2009	02.39	Tripped
K'gaon-Lonand	17/02/2009	23.48	18/02/2009	00.15	Tripped
Jejuri-Phursungi	17/02/2009	23.48	18/02/2009	00.16	Tripped
Lonand - Baramati	17/02/2009	23.52	18/02/2009	02.41	Tripped
Voltage Level : 132KV			Outage Type TRIPPED		
Chalishgaon - Kannad	17/02/2009	22.05		Continued.	R ph C T Burst,132KV Bus Bar Protecion Operated & all 132KV Feeders &100MVA,220/132KV I & II

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 17/Feb/2009

Position as on 6.30 Hrs of 18/Feb/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					Tipped.
null					
Voltage Level : 220KV			Outage Type TRIPPED		
Jejuri-Jejuri-II	17/02/2009	23.48	18/02/2009	03.30	Tripped

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 18/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	180
Unit 6	210	0
Unit 7	210	160
	1040	550
Bhusawal		
Unit 1	58	25
Unit 2	210	0
Unit 3	210	190
	478	215
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	175
Unit 4	210	170
Unit 5	210	0
Unit 6	250	250
	940	635
Chandrapur		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	210
Unit 4	210	195
Unit 5	500	425
Unit 6	500	400
Unit 7	500	450
	2340	2020
Paras		
Unit 2	55	50
Unit 3	250	225
	305	275
Khaparkheda		
Unit 1	210	200
Unit 2	210	200
Unit 3	210	200
Unit 4	210	200
	840	800
Nasik		
Unit 1	120	95
Unit 2	120	95
Unit 3	210	200
Unit 4	210	200
Unit 5	210	200
	870	790
Uran		
All Units	852	650
	852	650
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	36
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	55
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	301
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	110
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	110
Trombay 7B	60	110
TATA Hydro	444	447
	1774	1277
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3607
	3143	3607