



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Feb/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Feb/2009 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	120.717	1748.858	1) Madhya Pradesh	66.387	921.346
2) Hydro	15.542	180.960	2) Gujrat	17.174	248.114
3) Gas	12.790	208.703	3) Goa	-5.433	-77.901
Total MSGENCO	149.049	2138.521	4) TAPS 1&2 (Inj.)	7.374	103.445
B) OTHERS			5) Pench (Excess)	0.000	0.023
1) RGPPL Gas	7.322	99.264	# Total Cent. Sector	85.502	1195.027
2) Wind Generation	2.271	39.359	F) Other Exchanges		
3) PENCH (MS)	0.000	0.000	1) With TPCL	-4.866	-83.750
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	18.429	254.190	1) MSEDCL Bilateral	10.102	145.648
2) TPCL Hydro	4.216	63.636	Include PX	2.946	44.486
TOTAL TPCL	22.645	317.826	2) MUMBAI Bilateral	5.910	97.161
3) REL Thermal	12.718	177.826	Include PX	0.874	19.321
D) STATE			3) MUMBAI Schedule	5.910	97.611
1) Thermal (A1+C1+C3)	151.864	2180.874	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	19.758	244.596	1) MSEDCL	239.278	3388.421
3) Gas (A3+B1)	20.112	307.967	2) TPCL	26.488	384.121
4) Wind (B2)	2.271	39.359	3) REL	13.738	195.241
TOTAL STATE	194.005	2772.796	TOTAL STATE	279.504	3967.783

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	5235	5143	4732
MSGENCO Hydro	911	1126	208
MSGENCO Gas	594	525	505
MSGENCO Total Generation	6740	6794	5445
Central Sector Receipt	3536	3912	2652
RGPPL	307	307	304
WIND	39	85	168
Exchange with TPCL	-350	-358	60
MSEDCL DEMAND MET	10272	10740	8629
Load Shedding	4562	3898	1656
MSEDCL DEMAND (INCL. LS)	14834	14638	10285
TPCL GENERATION	1037	1122	783
REL GENERATION	529	531	530
TPCL+REL DEMAND	1916	2011	1253
STATE DEMAND MET	12188	12751	9882
STATE DEMAND (INCL. LS)	16750	16649	11538
Frequency (Hz)	49.24	49.45	49.76
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			5519 MW AT 10.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			93.86 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.24 Hz at 18.04 Hrs	48.98 Hz at 09.20 Hrs	49.54	.17 % 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 14/Feb/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.81	23.09	86	62	75
Unit 2	1.95	24.15	88	60	75
Unit 3	0.00	0.00	0	0	0
Unit 4	1.60	22.22	94	0	70
Unit 5	4.42	55.57	195	164	180
Unit 6	0.00	25.94	0	0	0
Unit 7	4.78	58.77	212	167	180
	14.55	209.74			580
Bhusawal					
Unit 1	0.61	8.37	31	22	25
Unit 2	0.00	49.35	0	0	0
Unit 3	4.66	55.89	211	178	190
	5.27	113.61			215
Parli					
Unit 1	0.53	7.45	25	19	22
Unit 2	0.59	8.13	28	23	23
Unit 3	4.17	52.12	183	163	170
Unit 4	4.36	55.39	202	131	175
Unit 5	3.77	57.82	191	128	170
Unit 6	5.03	69.12	229	186	220
	18.44	250.02			780
Chandrapur					
Unit 1	3.89	46.17	174	146	170
Unit 2	3.09	57.91	181	76	175
Unit 3	0.00	54.15	0	0	0
Unit 4	4.59	63.97	200	168	195
Unit 5	9.60	128.19	465	340	400
Unit 6	9.95	133.47	460	340	400
Unit 7	9.87	110.36	465	331	450
	40.98	594.22			1790
Paras					
Unit 2	1.07	11.99	50	25	55
Unit 3	5.24	72.90	242	202	220
	6.31	84.89			275
Khaparkheda					
Unit 1	4.74	66.86	208	188	200
Unit 2	4.50	65.11	200	151	200
Unit 3	4.59	65.70	197	180	200
Unit 4	4.83	65.99	214	188	200
	18.66	263.66			800
Nasik					
Unit 1	2.38	25.13	104	88	95
Unit 2	0.00	22.25	0	0	0
Unit 3	4.66	66.70	207	172	205
Unit 4	4.82	67.14	208	192	200
Unit 5	4.65	51.50	206	172	200
	16.50	232.72			700
Uran					
All Units	12.79	208.70	596	468	520
	12.79	208.70			520
Koyna					
Stage 1-2	2.88	34.60	320	30	600
Stage 4	6.44	65.49	573	0	250
Kovna 12&4 Total	9.32	100.09			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.98	21.19	160	0	240
	11.30	121.28			1090
Hydro					
KDPH	0.80	6.80	38	19	36
VTRNA	1.16	16.35	61	0	60
TILLARI	0.37	5.58	60	0	60
BHTGR/VEER	1.20	17.08	50	50	50
BHIRA T.R.	0.25	3.50	82	0	80
RNGR+BHTSA	0.36	4.92	15	15	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.71	12	0	0
GHATGHAR	0.04	4.74	35	0	0
	4.24	59.68			301
PENCH (MS)					
Pench (MS)	0.00	0.00	0	0	0
	0.00	0.00			0
Wind					
MalharPeth	0.15	1.90			
Vankuswadi	0.31	4.38			
ATIT	0.05	0.52			
Kale	0.10	1.89			
Satara	0.15	1.78			
Shirala	0.07	1.34			
K Mahankal	0.01	0.19			
Supa	0.06	0.96			
Vita	0.37	6.91			
Dondaicha	0.60	12.30			
Sakri	0.09	2.29			
Nandurbar	0.14	1.77			
Khadakale	0.15	2.41			
Khaparale	0.02	0.73			
	2.27	39.36			
Dabhol					
RGPP L II	7.32	99.26	307	300	300
RGPP L III	0.00	0.00	0	0	0
	7.32	99.26			300
Tata					
Trombay 4	2.94	37.02	137	102	150
Trombay 5	12.12	168.13	505	505	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.22	33.93	100	79	120
Trombay 7B	1.15	15.11	60	35	60
TATA Hydro	4.22	63.64	432	2	447
	22.64	317.83			1277
REL					
1&2	12.72	177.83	532	528	500
	12.72	177.83			500
Cent Sect					
Share					3152
					3152

MS PG CL	Thermal	120.72	1748.86		5140
	Thml+Gas	133.51	1957.56		5660
	Hydro	15.54	180.96		1391
	Total	149.05	2138.52		7051
State Total		194.00	2772.80		12280

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/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	4816	218	526	5560	305	193	2688	2850	-56	-16	8892	1628	10520	1329	11849	49.68
2	4732	208	505	5445	304	168	2617	2652	19	60	8629	1656	10285	1253	11538	49.76
3	4781	208	505	5494	304	136	2568	2850	69	112	8896	1549	10445	1171	11616	50.01
4	4770	238	506	5514	304	114	2554	3066	94	140	9138	1493	10631	1141	11772	49.77
5	4824	295	506	5625	305	104	2610	3088	95	143	9265	2599	11864	1138	13002	49.64
6	4893	829	526	6248	305	102	2704	3022	22	68	9745	2878	12623	1231	13854	49.45
7	5066	841	563	6470	305	107	2798	2949	-41	6	9837	3835	13672	1348	15020	49.50
8	5247	503	575	6325	304	105	3187	3307	-62	-17	10024	4176	14200	1423	15623	49.35
9	5300	613	596	6509	305	91	3169	3465	-133	-95	10275	4372	14647	1613	16260	49.38
10	5235	911	594	6740	307	39	3081	3536	-392	-350	10272	4562	14834	1916	16750	49.24
11	5079	1097	586	6762	307	30	3410	3498	-392	-349	10248	3960	14208	2006	16214	49.28
12	5039	1131	573	6743	307	30	3411	3580	-392	-347	10313	3945	14258	2067	16325	49.35
13	4984	1195	557	6736	300	32	3454	3689	-392	-350	10407	3886	14293	2064	16357	49.48
14	5016	1147	555	6718	307	58	3460	3758	-392	-350	10491	3862	14353	1940	16293	49.54
15	4925	802	545	6272	305	69	3489	4057	-392	-350	10353	3748	14101	1934	16035	49.49
16	5021	603	524	6148	305	70	3498	3998	-392	-351	10170	3938	14108	1915	16023	49.55
17	5069	593	514	6176	304	81	3599	4144	-392	-351	10354	3779	14133	1927	16060	49.46
18	5119	532	516	6167	305	89	3832	4355	-487	-445	10471	3619	14090	1925	16015	49.71
19	5152	682	526	6360	305	82	3788	4278	-395	-347	10678	3742	14420	1908	16328	49.59
20	5143	1126	525	6794	307	85	3448	3912	-407	-358	10740	3898	14638	2011	16649	49.45
21	5170	805	524	6499	306	126	3448	4140	-403	-359	10712	3435	14147	1928	16075	49.50
22	5144	501	503	6148	306	138	3442	3997	-403	-357	10232	3434	13666	1820	15486	49.59
23	5110	279	472	5861	305	134	3489	3807	-407	-364	9743	3232	12975	1688	14663	49.61
24	5082	185	468	5735	305	82	3282	3504	-279	-239	9387	2565	11952	1533	13485	49.64
MUs	120.72	15.54	12.79	149.05	7.32	2.26	77.03	85.50	-5.91	-4.87	239.27	79.79	319.06	40.23	359.29	49.54

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 14/Feb/2009

Position as on 6.30 Hrs of 15/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	17/02/2009
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		Continued.	Turbine Problem	18/02/2009
Dabhol 1A	230	06/02/2009	11:50		Continued.	Turbine Problem	18/02/2009
Chandrapur Unit 3	210	12/02/2009	00.41	15/02/2009	00:27	Steam Leakage.	
Cent_Sect NTPC(V-10)	500	12/02/2009	13.04	14/02/2009	03:35	Boiler Tube Leakage	15/02/2009
Cent_Sect NTPC(K-5)	500	12/02/2009	21.13	14/02/2009	13:49	Boiler Tube Leakage	15/02/2009
Nasik Unit 2	125	13/02/2009	16:38	15/02/2009	04:10	Boiler Tube Leakage	
Koyna ST-IV 2	250	13/02/2009	16:50	14/02/2009	00:50	Spherical Valve Problem.	
Koradi Unit 4	115	14/02/2009	10:48	14/02/2009	13:49	Condensate pump problem.	
Parli Unit 5	210	15/02/2009	12.02		Continued.	Boiler Tube Leakage	18/02/2009

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Feb/2009

Position as on 6.30 Hrs of 15/Feb/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar II	10/02/2009	00.00	15/02/2009	12.10	H/T FOR O/V
Kolhapur-Mapusa Ckt I	13/02/2009	22:36	14/02/2009	08:34	H/T FOR O/V
DHULE-SAR'SAROVAR-I	14/02/2009	00:36	14/02/2009	06:35	H/T FOR O/V
DHULE-SAR'SAROVAR-I	15/02/2009	17.38		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.
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.
Momewadi-Halkarni	14/02/2009	08:45	14/02/2009	17:10	Insulator Replacement
BBLSR II- BBL SRL CKT. I	14/02/2009	10:02	14/02/2009	17:00	Q.M. WORK
Shahada 220/132 KV,100MVA ICT-I	14/02/2009	12.40		Continued.	Servicing and Maint.of ICT and Breaker.
Aarey - Borivali	15/02/2009	08.30	15/02/2009	15.13	ANNUAL MAINT. WORK
Mahape-Tifil	15/02/2009	10.05	15/02/2009	18.30	R.M. Work
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/132KV 100 MVA ICT at Khadka	14/02/2009	11:03	14/02/2009	13:09	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.
APTA-URAN CKT I(HOC)	15/02/2009	15.00	15/02/2009	15.27	H.T.fire in Marshling box.
URAN_HOCL	15/02/2009	15.48	15/02/2009	17.01	H.T.at HOC end.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Nimbhora-Savda	22/12/2008	09:26	14/02/2009	17:00	Line is normally open.Load of 132KV Savada,Raver restored from 132KV Nimbhora.
Voltage Level : 220KV			Outage Type TRIPPED		
Khaperkheda - Wardha.	14/02/2009	10:36	14/02/2009	11:05	Trip. R ph to E/F.
Khaperkheda-Ambazari ckt - I	14/02/2009	10:36	14/02/2009	14:44	Trip. R ph to E/F.
Voltage Level : 132KV			Outage Type TRIPPED		
Khadka-Savda	14/02/2009	11:00	14/02/2009	11:20	Tripped on Dist.Prot.
Khadka-Savda	14/02/2009	11:42	15/02/2009	11.18	Trip.dist.prot. B ph Cond. Snapped.
Kanhan - Mansar.	14/02/2009	18:37	14/02/2009	20:20	P.T. Fuse failure.
Kanhan-Mouda	14/02/2009	18:37	14/02/2009	20:52	P.T. Fuse failure.
Kanhan - Mankapur.	14/02/2009	18:37	14/02/2009	20:52	P.T. Fuse failure.
null					
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Deepnagar-Nimbhora	14/02/2009	8:50	14/02/2009	16:40	Insulator Replacement

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/Feb/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	75
Unit 3	105	0
Unit 4	105	80
Unit 5	200	190
Unit 6	210	0
Unit 7	210	200
	1040	620
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	170
Unit 4	210	160
Unit 5	210	160
Unit 6	250	220
	940	750
Chandrapur		
Unit 1	210	165
Unit 2	210	105
Unit 3	210	100
Unit 4	210	195
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	1915
Paras		
Unit 2	55	40
Unit 3	250	200
	305	240
Khaparkheda		
Unit 1	210	200
Unit 2	210	200
Unit 3	210	200
Unit 4	210	200
	840	800
Nasik		
Unit 1	120	98
Unit 2	120	85
Unit 3	210	205
Unit 4	210	200
Unit 5	210	200
	870	788
Uran		
All Units	852	550
	852	550
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	18
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	50
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	12
GHATGHAR	250	0
	611	295
PENCH (MS)		
Pench (MS)	53	0
	53	0
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	0
	1480	300
Tata		
Trombay 4	150	100
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	100
Trombay 7B	60	80
TATA Hydro	444	442
	1774	1222
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3410
	3143	3410

	17146	12695
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