



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Feb/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/Feb/2011 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	118.492	118.492	1) Madhya Pradesh	50.132	50.132
2) Hydro	30.118	30.118	2) Gujrat	31.670	31.670
3) Gas	15.738	15.738	3) Goa	-6.174	-6.174
Total MSGENCO	164.348	164.348	4) TAPS 1&2 (Inj.)	6.716	6.716
B) OTHERS			5) Pench (Excess)	-0.264	-0.264
1) RGPPL Gas	24.163	24.163	# Total Cent. Sector	82.080	82.080
2) Wind Generation	2.758	2.758	F) Other Exchanges		
3) CPP	22.784	22.784	1) With TPCL (Excess)	-5.782	-5.782
4) PENCH (MS)	0.264	0.264	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	12.592	12.592
1) TPCL Thermal	22.302	22.302	Include PX	0.000	0.000
2) TPCL Hydro	5.570	5.570	2) MUMBAI Bilateral	4.925	4.925
TOTAL TPCL	27.872	27.872	Include PX	-0.417	-0.417
3) REL Thermal	12.694	12.694	3) MUMBAI Schedule	4.925	4.925
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	153.488	153.488	1) MSEDCL	290.615	290.615
2) Hydro (A2+B3+C2)	35.952	35.952	2) TPCL	31.093	31.093
3) Gas (A3+B1)	39.901	39.901	3) REL	15.254	15.254
4) Wind (B2)	2.758	2.758	TOTAL STATE	336.962	336.962
5) CPP (B3)	22.784	22.784			
TOTAL STATE	254.883	254.883			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	4873	5141	4823
MSGENCO Hydro	2180	1356	101
MSGENCO Gas	640	638	682
MSGENCO Total Generation	7693	7135	5606
Central Sector Receipt	3877	3404	3171
RGPPL	973	983	994
WIND	63	61	107
CPP	1017	1029	746
Exchange with TPCL	-519	-287	-91
MSEDCL DEMAND MET	13104	12354	10533
Load Shedding (LS)	1026	1453	0
MSEDCL DEMAND (INCL. LS)	14130	13807	10533
TPCL GENERATION	1387	1587	640
REL GENERATION	530	529	529
TPCL+REL DEMAND	2436	2403	1260
STATE DEMAND MET	15540	14757	11793
Load Management (LM)	1919	2984	0
Total Load Relief (LS+LM)	2945	4437	0
UNRESTRICTED STATE DEMAND	18485	19194	11793
Frequency (Hz)	49.63	49.69	49.77

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.15 Hz at 18.04 Hrs	49.29 Hz at 10.10 Hrs	49.7	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 01/Feb/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1			0	0	
Unit 2			0	0	
Unit 3			0	0	
Unit 4			0	0	
Unit 5	4.01	4.01	175	153	170
Unit 6	0.00	0.00	0	0	0
Unit 7	4.18	4.18	185	155	180
	8.20	8.20			350
Bhusawal					
Unit 1			0	0	
Unit 2	4.26	4.26	190	160	190
Unit 3	4.70	4.70	200	185	200
	8.97	8.97			390
Parli					
Unit 1			0	0	
Unit 2			0	0	
Unit 3	3.90	3.90	172	155	175
Unit 4	4.37	4.37	189	175	185
Unit 5	4.58	4.58	206	163	195
Unit 6	5.54	5.54	248	194	240
Unit 7	5.53	5.53	247	160	235
	23.92	23.92			1030
Chandrapur					
Unit 1	3.63	3.63	158	138	150
Unit 2	3.62	3.62	168	125	160
Unit 3	3.09	3.09	184	0	150
Unit 4	4.23	4.23	185	162	175
Unit 5	11.41	11.41	495	455	475
Unit 6	4.52	4.52	475	0	0
Unit 7	11.57	11.57	488	462	480
	42.06	42.06			1590
Paras					
Unit 2			0	0	
Unit 3	0.00	0.00	0	0	0
Unit 4	3.91	3.91	233	87	230
	3.91	3.91			230
Khaparkheda					
Unit 1	4.92	4.92	215	190	210
Unit 2	4.66	4.66	207	164	210
Unit 3	4.38	4.38	200	162	210
Unit 4	0.00	0.00	0	0	0
	13.95	13.95			630
Nasik					
Unit 1	2.16	2.16	99	72	100
Unit 2	2.28	2.28	101	88	100
Unit 3	4.37	4.37	210	148	200
Unit 4	4.62	4.62	206	165	200
Unit 5	4.06	4.06	187	142	190
	17.48	17.48			790
Koyna					
Stage 1-2	6.00	6.00	555	35	600
Stage 4	15.48	15.48	1126	0	250
Stage 3	4.53	4.53	240	0	240
	26.00	26.00			1090
Kovna 12&4 Total	21.48	21.48			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.74	15.74	685	619	640
		15.74	15.74			640
Hydro						
KDPH		0.27	0.27	19	0	0
VTRNA		0.00	0.00	0	0	0
TILLARI		0.48	0.48	60	0	60
BHTGR/VEER		0.39	0.39	17	16	16
BHIRA T.R.		0.32	0.32	82	0	80
RNGR+BHTSA		0.36	0.36	16	15	16
BHANDARDRA		0.00	0.00	0	0	0
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.68	0.68	37	25	0
GHATGHAR		1.60	1.60	250	0	0
		4.11	4.11			172
PENCH (MS)						
Pench (MS)		0.26	0.26	53	0	
		0.26	0.26			
Wind						
MalharPeth		0.06	0.06			
Vankuswadi		0.14	0.14			
ATIT		0.01	0.01			
Kale		0.06	0.06			
Satara		0.04	0.04			
Shirala		0.06	0.06			
K Mahankal		0.20	0.20			
Supa		0.04	0.04			
Vita		0.86	0.86			
Dondaicha		0.75	0.75			
Sakri		0.13	0.13			
Nandurbar		0.03	0.03			
Khandke		0.36	0.36			
Khaparale		0.01	0.01			
		2.76	2.76			
CPP						
TOTAL CPP		22.78	22.78			435
		22.78	22.78			435
Dabhol						
RGPPL		24.16	24.16	1316	967	1200
		24.16	24.16			1200
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		11.53	11.53	490	400	500
Trombay 6		1.98	1.98	290	0	0
Trombay 7A		2.31	2.31	128	0	120
Trombay 7B		1.02	1.02	67	0	60
Trombay 8		5.47	5.47	251	150	250
TATA Hydro		5.57	5.57	459	0	447
		27.87	27.87			1377
REL						
1&2		12.69	12.69	530	526	500
		12.69	12.69			500
Cent Sect						
Share						3267
						3267
MS PG CL	Thermal	118.49	118.49			5010
	Thml+Gas	134.23	134.23			5650
	Hydro	30.12	30.12			1262
	Total	164.35	164.35			6912
State Total		254.88	254.88			13691

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/Feb/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	TPCL SCH.	TPCL NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAN D WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS														
1	4820	147	680	5647	988	111	693	2971	3124	7	-122	10441	0	10441	1367	11808	49.61
2	4823	101	682	5606	994	107	746	2952	3171	-7	-91	10533	0	10533	1260	11793	49.77
3	4833	96	682	5611	997	153	768	2909	3309	42	-45	10793	312	10793	1214	12319	49.83
4	4896	101	685	5682	997	276	796	2915	3178	32	-15	10914	1178	10914	1184	13276	49.84
5	4848	222	682	5752	995	282	836	2920	3175	24	-38	11002	1300	11002	1215	13517	49.75
6	4870	708	683	6261	995	267	897	2787	3207	4	56	11683	1532	11683	1325	14540	49.71
7	4806	1584	684	7074	996	255	1016	3032	3059	-117	-55	12345	1832	12515	1487	15664	49.61
8	4844	1928	680	7452	997	224	1023	3164	3521	-217	-196	13021	1940	13295	1656	16617	49.58
9	4908	2142	683	7733	998	185	1026	3203	3397	-267	-247	13092	2424	13850	1899	17415	49.63
10	4854	2344	671	7869	989	127	1018	3322	3286	-267	-295	12994	2643	13971	2191	17828	49.61
11	4903	1974	648	7525	983	100	1026	3527	3762	-326	-481	12915	2982	14049	2400	18297	49.71
12	4873	2180	640	7693	973	63	1017	3577	3877	-326	-519	13104	2945	14130	2436	18485	49.63
13	4969	2207	620	7796	967	38	1023	3553	3859	-326	-515	13168	3134	14383	2430	18732	49.68
14	4966	2110	627	7703	981	36	1032	3385	3856	-301	-371	13237	3179	14497	2308	18724	49.75
15	4990	2053	619	7662	972	32	1041	3373	3521	-301	-345	12883	3420	14364	2340	18643	49.65
16	5029	2071	624	7724	978	36	1027	3281	3516	-301	-337	12944	3434	14439	2379	18757	49.72
17	5032	1635	623	7290	978	34	1031	3250	3918	-301	-292	12959	3268	14309	2368	18595	49.64
18	5118	1158	646	6922	980	43	1046	3198	3903	-247	-246	12648	3754	14456	2360	18762	49.70
19	5141	1356	638	7135	983	61	1029	3153	3404	-272	-287	12354	4437	13807	2403	19194	49.69
20	5173	1273	640	7086	985	66	1025	3324	3303	-320	-330	12188	4552	13264	2385	19125	49.67
21	5016	990	643	6649	1004	62	1005	3202	3548	-187	-175	12146	3876	12556	2183	18205	49.63
22	5013	860	646	6519	1023	83	896	3385	3387	-381	-346	11613	3625	11785	2039	17277	49.73
23	4897	649	645	6191	1094	65	873	3212	3186	-326	-290	11171	926	11267	1837	13934	49.64
24	4870	229	667	5766	1316	52	894	2998	2610	-242	-200	10464	0	10464	1682	12146	49.93
MUs	118.49	30.12	15.74	164.35	24.16	2.76	22.78	76.59	82.08	-4.92	-5.78	290.61	56.69	306.77	46.35	393.65	49.70

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 01/Feb/2011

Position as on 6.30 Hrs of 02/Feb/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Koradi Unit 6	210	26/12/2010	09.23		Continued.	Annual Overhaul.	30/01/2011
Khaparkheda Unit 4	210	03/01/2011	15.26		Continued.	Capital Overhaul.	07/02/2011
Dabhol 3B	230	04/01/2011	16:44		Continued.	Rehabilitation work.	05/03/2011
Tata Trombay 6	500	07/01/2011	00.04	01/02/2011	13.56	Capital overhaul.	
Koyna Unit 11	80	13/01/2011	07.45		Continued.	Retrofitting work of excitation system.	13/02/2011
Dabhol 3A	230	29/01/2011	17.35		Continued.	Heavy leakage in CW Duct	28/02/2011
Dabhol 3X	290	29/01/2011	17.35		Continued.	Hand Tripped	28/02/2011
FORCED OUTAGE							
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Uran Unit 3	60	16/06/2010	19.52		Continued.	R.M.Work.	
Chandrapur Unit 6	500	30/01/2011	14.25	01/02/2011	11.26	Boiler Tube Leakage.	
Cent_Sect NTPC(V-7)	500	31/01/2011	15:47		Continued.	Boiler Tube Leakage.	03/02/2011
Paras Unit 3	250	31/01/2011	20:42		Continued.	Boiler Tube Leakage.	03/02/2011
Dabhol 1B	230	31/01/2011	20:47	01/02/2011	20.08	Tripped on high spread.	
Tata Trombay 7A	120	31/01/2011	21:20	01/02/2011	08.09	Tripped.	
Tata Trombay 7B	60	31/01/2011	21:20	01/02/2011	04.38	Tripped.	
Chandrapur Unit 3	210	01/02/2011	20.35		Continued.	Boiler Tube Leakage.	04/02/2011

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Feb/2011

Position as on 6.30 Hrs of 02/Feb/2011

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 - I	31/01/2011	01.15		Continued.	Over Voltage.
Kolhapur - Mapusa - I	31/01/2011	23.03	01/02/2011	11.47	Over Voltage.
Akola - Wardha - II	31/01/2011	23.16	01/02/2011	07.24	Over Voltage.
Dhule-Sar'Sarovar - II	31/01/2011	23.44	01/02/2011	08.57	Over Voltage.
Kolhapur - Mapusa - I	01/02/2011	22.44		Continued.	Over Voltage.
Akola - Wardha - I	01/02/2011	23.57		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	01/02/2011	23.57		Continued.	Over Voltage.
IntraState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-III @ Kalwa	14/12/2010	08.39		Continued.	For Augumentation from 125MVA to 200MVA (up to 10/2/11)
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(6 MonthOutage.)
220/132 KV 100 MVA ICT-II @ Babaleshwar	25/12/2010	12:15		Continued.	Augmentation by 200MVA ICT (upto 10/02/2011)
220/132KV 100 MVA ICT-I @Padegaon	26/12/2010	13.30		Continued.	Main Breaker Replacement,ICT on TBC (upto 01/2/11)
220/132 KV 100 MVA ICT-II @ Bhusawal	02/01/2011	08.58		Continued.	Repl.of 100 MVA By 200 MVA ICT up to 5/2/11
220/100 KV125 MVA ICT-III @Trombay	06/01/2011	12.03		Continued.	Augmentation by New 200 MVA ICT up to 20.03.2011.
220/6.6KV 40MVA Stn.T/F -IV at K'Kheda	14/01/2011	12.26		Continued.	Oil Filtration work(10Days)
Mahape-Tifil	19/01/2011	10.07		Continued.	Dismantling and erection of MC tower and stringing of conductor.
220/100KV,100 MVA T/F-I at Jambhul	22/01/2011	11.30		Continued.	For Dismantling 100MVA T/F-I under JICA scheme
220/132 KV, 100 MVA ICT - II @ Beed.	24/01/2011	07.00		Continued.	Repl.of 100MVA ICT by 200MVA(up to 11/2/11)
220/66 KV 50 MVA T/F @ Chandrapur	27/01/2011	09.24	01/02/2011	11.33	Repl.of 66KV Breaker(up to 1/2/11)
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/100 KV 200 MVA ICT-II @ Apta	01/02/2011	13.50	01/02/2011	18.12	R Ph H V Bushing Oil Leakage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	31/01/2011	21.12	01/02/2011	05.30	Over Voltage.
Karad - Kolhapur - I	31/01/2011	21.34	01/02/2011	07.14	Over Voltage.
Bhusawal- Aurangabad	01/02/2011	20.35	02/02/2011	05.29	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Babaleshwar - Bhenda	10/01/2011	09.30		Continued.	To Control Babaleshwar ICT Load.
Alephata-Kathapur	14/01/2011	14.08		Continued.	To Control LNKD ICT Load.
Dhule-Chalisgaon	18/01/2011	15.53		Continued.	To control O/L Dhule ICT's,From Dt. 22/01 opportunity outage taken for repl.of Line Isolator Work.
Chandrapur-Warora - I	23/01/2011	18.14		Continued.	To Control 220KV Warora-Hinganghat Loading.
Aurangabad - Babaleshwar	29/01/2011	18.56		Continued.	To control BBLSR ICT loading
Chandrapur-Warora - I	01/02/2011	00.39		Continued.	To Control Line Loading of 220KV

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 01/Feb/2011

Position as on 6.30 Hrs of 02/Feb/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					Warora-Hinganghat.
Voltage Level : 100KV			Outage Type HAND TRIPPED		
Kalwa - Salshet - I	12/01/2011	13.46		Continued.	H/T from Kalwa end
Voltage Level : 220KV			Outage Type TRIPPED		
220/7 KV 35 MVA Stn.T/F-II @ Parly	19/01/2011	16.10		Continued.	LV side E/F fire in Aux.Dist.box due to burning of 2 No.feeder.
Warora - Wardha Power - II	31/01/2011	19.37		Continued.	Y Ph C T Burst.
Lote-Dasturi	01/02/2011	11.56	01/02/2011	19.44	Distance Protection.
Airoli-Knowledge park-Nasik	02/02/2011	04.25	02/02/2011	05.00	Tripped.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 02/Feb/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	
Unit 2	105	
Unit 3	105	
Unit 4	105	
Unit 5	200	160
Unit 6	210	0
Unit 7	210	180
	1040	340
Bhusawal		
Unit 1	58	
Unit 2	210	190
Unit 3	210	200
	478	390
Parli		
Unit 1	30	
Unit 2	30	
Unit 3	210	172
Unit 4	210	170
Unit 5	210	170
Unit 6	250	220
Unit 7	250	210
	1190	942
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	0
Unit 4	210	180
Unit 5	500	475
Unit 6	500	475
Unit 7	500	480
	2340	1920
Paras		
Unit 2	55	
Unit 3	250	0
Unit 4	250	165
	555	165
Khaparkheda		
Unit 1	210	210
Unit 2	210	210
Unit 3	210	210
Unit 4	210	0
	840	630
Nasik		
Unit 1	120	81
Unit 2	120	81
Unit 3	210	192
Unit 4	210	192
Unit 5	210	182
	870	728
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Uran		
All Units	852	650

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	650
Hydro		
KDPH	40	19
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	15
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	14
GHATGHAR	250	0
	611	203
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	
Khandke	0	
Khaparale	0	
	0	
CPP		
TOTAL CPP	0	475
	0	475
Dabhol		
RGPPL	960	1250
	960	1250
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	200
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1577
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3280
	3143	3280

	17376	7 of 7	14140
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