



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Jan/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/Jan/2010 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	129.300	129.300	1) Madhya Pradesh	47.706	47.706
2) Hydro	4.549	4.549	2) Gujrat	14.181	14.181
3) Gas	15.234	15.234	3) Goa	-6.354	-6.354
Total MSGENCO	149.083	149.083	4) TAPS 1&2 (Inj.)	3.682	3.682
B) OTHERS			5) Pench (Excess)	-0.109	-0.109
1) RGPPL Gas	23.308	23.308	# Total Cent. Sector	59.106	59.106
2) Wind Generation	4.416	4.416	F) Other Exchanges		
3) PENCH (MS)	0.109	0.109	1) With TPCL	0.595	0.595
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	25.102	25.102	1) MSEDCL Bilateral	6.005	6.005
2) TPCL Hydro	2.773	2.773	Include PX	0.000	0.000
TOTAL TPCL	27.875	27.875	2) MUMBAI Bilateral	0.366	0.366
3) REL Thermal	12.653	12.653	Include PX	0.442	0.442
D) STATE			3) MUMBAI Schedule	0.366	0.366
1) Thermal (A1+C1+C3)	167.055	167.055	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	7.431	7.431	1) MSEDCL	236.617	236.617
3) Gas (A3+B1)	38.542	38.542	2) TPCL	26.479	26.479
4) Wind (B2)	4.416	4.416	3) REL	13.453	13.453
TOTAL STATE	217.444	217.444	TOTAL STATE	276.549	276.549

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5342	5394	5250
MSGENCO Hydro	237	515	132
MSGENCO Gas	642	618	657
MSGENCO Total Generation	6221	6527	6039
Central Sector Receipt	2557	2974	1757
RGPPL	958	971	990
WIND	136	167	225
Exchange with TPCL	82	-71	-2
MSEDCL DEMAND MET	9954	10576	9009
Load Shedding	2897	3499	0
MSEDCL DEMAND (INCL. LS)	12851	14075	9009
TPCL GENERATION	1551	1438	707
REL GENERATION	531	532	533
TPCL+REL DEMAND	2000	2041	1242
STATE DEMAND MET	11954	12617	10251
STATE DEMAND (INCL. LS)	14851	16116	10251
Frequency (Hz)	49.65	49.94	50.16
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3335 MW at 20.00Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			39.88 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.31 Hz at 03.46 Hrs	49.18 Hz at 07.37 Hrs	49.9	0 % of Time

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and Mumbai bilateral power.

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 01/Jan/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.76	1.76	88	62	75
Unit 2	1.71	1.71	78	56	75
Unit 3	1.43	1.43	75	32	70
Unit 4	1.21	1.21	74	29	50
Unit 5	3.61	3.61	174	124	140
Unit 6	3.33	3.33	162	78	170
Unit 7	3.48	3.48	174	112	140
	16.53	16.53			720
Bhusawal					
Unit 1	1.19	1.19	51	48	50
Unit 2	4.41	4.41	192	176	180
Unit 3	4.36	4.36	190	170	175
	9.96	9.96			405
Parli					
Unit 1	0.54	0.54	24	22	23
Unit 2	0.54	0.54	24	22	23
Unit 3	3.72	3.72	158	144	160
Unit 4	4.37	4.37	196	170	200
Unit 5	4.04	4.04	180	155	190
Unit 6	5.67	5.67	248	213	245
	18.88	18.88			841
Chandrapur					
Unit 1	3.35	3.35	149	120	150
Unit 2	3.58	3.58	161	126	160
Unit 3	3.63	3.63	184	120	180
Unit 4	4.25	4.25	189	164	180
Unit 5	10.49	10.49	467	390	450
Unit 6	10.05	10.05	440	376	450
Unit 7	11.00	11.00	474	443	450
	46.36	46.36			2020
Paras					
Unit 2	1.08	1.08	48	40	40
Unit 3	5.39	5.39	234	203	230
	6.47	6.47			270
Khaparkheda					
Unit 1	4.41	4.41	194	158	190
Unit 2	4.29	4.29	195	152	190
Unit 3	4.64	4.64	216	169	210
Unit 4	4.03	4.03	198	134	210
	17.37	17.37			800
Nasik					
Unit 1	1.77	1.77	97	52	95
Unit 2	2.20	2.20	99	66	99
Unit 3	4.93	4.93	210	195	202
Unit 4	4.82	4.82	205	193	205
Unit 5	0.00	0.00	0	0	0
	13.71	13.71			601
Uran					
All Units	15.23	15.23	669	599	650
	15.23	15.23			650
Koyna					
Stage 1-2	1.02	1.02	50	35	600
Stage 4	0.00	0.00	0	0	250
Koyna 12&4 Total	1.02	1.02			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.22	0.22	124	0	240
	1.24	1.24			1090
Hydro					
KDPH	0.47	0.47	20	19	18
VTRNA	0.00	0.00	0	0	60
TILLARI	0.35	0.35	60	0	60
BHTGR/VEER	0.85	0.85	36	35	36
BHIRA T.R.	0.12	0.12	41	0	50
RNGR+BHTSA	0.31	0.31	15	12	12
BHANDARDRA	0.60	0.60	48	14	18
ELDARY	0.24	0.24	11	9	10
PAITHAN	0.06	0.06	10	0	10
GHATGHAR	0.30	0.30	125	0	0
	3.31	3.31			274
PENCH (MS)					
Pench (MS)	0.11	0.11	27	0	
	0.11	0.11			
Wind					
MalharPeth	0.09	0.09			
Vankuswadi	0.35	0.35			
ATIT	0.05	0.05			
Kale	0.08	0.08			
Satara	0.06	0.06			
Shirala	0.10	0.10			
K Mahankal	0.15	0.15			
Supa	0.08	0.08			
Vita	0.76	0.76			
Dondaicha	1.63	1.63			
Sakri	0.00	0.00			
Nandurbar	0.12	0.12			
Khadakale	0.56	0.56			
Khaparale	0.39	0.39			
	4.42	4.42			
Dabhol					
RGPP L II	23.31	23.31	990	940	940
RGPP L III	0.00	0.00	0	0	
	23.31	23.31			940
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.10	10.10	500	200	500
Trombay 6	5.60	5.60	420	150	500
Trombay 7A	2.86	2.86	126	91	120
Trombay 7B	1.59	1.59	69	56	60
Trombay 8	4.95	4.95	252	150	250
TATA Hydro	2.77	2.77	395	0	447
	27.88	27.88			1877
REL					
1&2	12.65	12.65	533	473	500
	12.65	12.65			500
Cent Sect					
Share					3092
					3092

MS PG CL	Thermal	129.30	129.30		5657
	Thml+Gas	144.53	144.53		6307
	Hydro	4.55	4.55		1364
	Total	149.08	149.08		7671
State Total		217.44	217.44		14080

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/Jan/2010

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CS SHARE	CS RECPT	MUMBAI		MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	MUMBAI DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS						SCH.	EXCH.						
1	5233	132	655	6020	987	188	2578	2030	-34	-7	9218	0	9218	1426	10644	50.06
2	5267	131	654	6052	988	204	2578	1948	-34	-5	9187	0	9187	1296	10483	50.05
3	5250	132	657	6039	990	225	2578	1757	-34	-2	9009	0	9009	1242	10251	50.16
4	5222	141	657	6020	990	252	2578	1803	-34	6	9071	0	9071	1200	10271	50.11
5	5303	141	657	6101	988	254	2586	2014	-34	22	9379	0	9379	1149	10528	50.02
6	5357	170	658	6185	986	303	2600	2423	-34	29	9926	536	10462	1213	11675	49.82
7	5416	136	656	6208	987	266	2776	2173	56	93	9727	2365	12092	1271	13363	49.96
8	5478	140	657	6275	979	293	2782	2269	56	90	9906	2773	12679	1364	14043	49.52
9	5505	139	658	6302	977	284	2698	2003	56	86	9665	2946	12611	1519	14130	50.01
10	5447	265	669	6381	974	244	2816	2154	44	85	9843	2758	12601	1738	14339	49.64
11	5378	276	657	6311	964	199	2868	2582	44	78	10134	2545	12679	1954	14633	49.71
12	5342	237	642	6221	958	136	2864	2557	44	82	9954	2897	12851	2000	14851	49.65
13	5444	146	626	6216	949	112	2915	2686	44	84	10047	2692	12739	1937	14676	49.72
14	5447	131	615	6193	940	82	2914	2781	44	85	10081	2658	12739	1878	14617	49.74
15	5459	125	617	6201	955	60	2914	2599	44	87	9902	2777	12679	1897	14576	49.94
16	5496	131	619	6246	956	65	2961	2764	-3	39	10085	2470	12555	1879	14434	49.76
17	5437	140	610	6187	965	74	2945	2870	44	77	10200	2409	12609	1880	14489	49.92
18	5459	147	619	6225	971	88	3050	3223	-22	34	10557	2373	12930	1898	14828	49.94
19	5426	469	622	6517	973	123	2911	3091	-112	-72	10657	3279	13936	2026	15962	49.89
20	5394	515	618	6527	971	167	3085	2974	-112	-71	10576	3499	14075	2041	16116	49.94
21	5444	289	609	6342	961	178	3092	2957	-112	-70	10368	3269	13637	1961	15598	49.80
22	5397	142	603	6142	964	198	2864	2719	-112	-70	9953	3178	13131	1831	14962	50.01
23	5345	134	599	6078	964	205	2692	2528	-112	-72	9703	2116	11819	1710	13529	49.95
24	5355	140	600	6095	971	218	2588	2200	-46	-13	9471	0	9471	1623	11094	50.28
MUs	129.30	4.55	15.23	149.08	23.31	4.42	67.23	59.10	-0.37	0.60	236.62	47.54	284.16	39.93	324.09	49.90

NOTE : ALL VALUES IN MW

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

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 01/Jan/2010

Position as on 6.30 Hrs of 02/Jan/2010

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
Koyna Unit 10	80	06/12/2009	11.00		Continued.	Retrofitting of Excitation System.	06/01/2010
FORCED OUTAGE							
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Dabhol 3A	230	08/11/2008	13.45		Continued.	Exhaust temp.& vibn.high	31/03/2010
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	07/01/2010
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Uran Unit 3	60	05/07/2009	21.12		Continued.	Stator Earth Fault	
Tata Trombay 4	150	01/12/2009	19:16		Continued.	Low Demand.	
Cent_Sect Tarapur 1	80	09/12/2009	09:22		Continued.	Condenser Tube Leakage.	02/02/2010
Dabhol 3B	230	10/12/2009	23.34		Continued.	Combustion Chamber Inspection.	10/01/2010
Dabhol 3X	290	10/12/2009	23.35		Continued.	Combustion Chamber Inspection.	10/01/2010
Nasik Unit 5	210	30/12/2009	16.30	02/01/2010	02.05	Boiler Tube Leakage.	
Nasik Unit 5	210	02/01/2010	02.20	02/01/2010	04.10	Tripped on change over Bus	
Parli Unit 5	210	02/01/2010	03.07		Continued.	Low Drum Level	
Bhusawal Unit 1	58	02/01/2010	06.25		Continued.	ID Fan Problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Jan/2010

Position as on 6.30 Hrs of 02/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Bhoisor-Bhoisor(PGCIL)-I	01/01/2010	10.37	01/01/2010	19.39	Replacement of Wave Trap
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	16/12/2009	13:00		Continued.	H/T.
Kolhapur-Mapusa Ckt I	02/01/2010	03.05		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - I	17/12/2009	17.08		Continued.	Tower 3 and 4 Collapsed.
Dhule-Sar'Sarovar - II	17/12/2009	22:33		Continued.	Tower 3 and 4 Collapsed.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Main Breaker of ICT-II at C'PUR	28/12/2009	12.13		Continued.	Main Breaker replacement, ICT on TBC
Dabhol - Nagothane - I	01/01/2010	08.05	01/01/2010	20.10	Cold washing of Insulators
Main Bus-II at 400KV Kalwa	01/01/2010	08.07		Continued.	Replacement of 29B Isolator
Babaleshwar-Dhule CKT - I	01/01/2010	14.16	01/01/2010	18.35	Replacement of L.M.U.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Padghe - Nashik - II	25/12/2009	08.50		Continued.	Errection of tower
Padghe - Jindal	25/12/2009	09.11		Continued.	Errection of Tower
220/132KV 100MVA ICT-II at Parli-II	26/12/2009	09.10		Continued.	Replacement of H.V./L.V.Breaker
220/132 KV 150MVA ICT at Nanded	28/12/2009	11.53		Continued.	HV Breaker replacement, ICT on TBC
Mulund-Trombay	30/12/2009	09.40		Continued.	Relay pannel replacement work.
Pedambe-Kharepatan	01/01/2010	08.40	01/01/2010	17.10	Line maintenance work
220/100KV,125MVA ICT-III at Kalwa	01/01/2010	08.45	01/01/2010	13.11	CRM and breaker Timing
Chalisgaon - Malegaon	01/01/2010	09.25	01/01/2010	15.52	Line maintenance work
Aurangabad - BBLSR	01/01/2010	10.11	01/01/2010	16.23	Maintenance work
Bhigwan-Kurkum	01/01/2010	10.20	01/01/2010	12.05	Maintenance work
Aurangabad - Bhenda	01/01/2010	10.29	01/01/2010	19.38	Clamping of Earth Wire
Voltage Level : 500KV			Outage Type FORCED OUTAGE		
Chandrapur-Padaghe Pole - II	02/01/2010	01.48		Continued.	R phase Convertor x'mer oil temp.high
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
ONGC-Panvel TSS	01/01/2010	17.50	01/01/2010	18.50	Hot Spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	26/12/2009	18.00		Continued.	H/T for O/V.
Karad-Lonikand.	01/01/2010	07.54	01/01/2010	08.22	H/T due to LV Isolator of Reactor burnt
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Aurangabad - Bhenda	12/12/2009	09.39		Continued.	H/T at A'Bad to control ICT loading
Voltage Level : 400KV			Outage Type TRIPPED		
Padgha - Chakan	01/01/2010	04.03	01/01/2010	05.41	Tripped
400/220 KV 300 MVA ICT-	01/01/2010	06.43	01/01/2010	16.36	Tripped on Buchholz Alarm

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Jan/2010

Position as on 6.30 Hrs of 02/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
I @ Koradi					
Parli-Lonikand - II	01/01/2010	19.09		Continued.	Tripped on Reactor Oil temp.
Lonikhand - Chakan	02/01/2010	01.35		Continued.	Over Voltage at Chakan
Voltage Level : 220KV			Outage Type TRIPPED		
Pedambe-Mahad	01/01/2010	17.16	01/01/2010	21.40	Distance protection
Voltage Level : 132KV			Outage Type TRIPPED		
Waghala - Narsi	01/01/2010	05.20	01/01/2010	05.36	Distance protection
Nanded - Elichpur	01/01/2010	23.20	02/01/2010	00.02	Tripped on O/C

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 02/Jan/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	50
Unit 2	105	50
Unit 3	105	50
Unit 4	105	50
Unit 5	200	160
Unit 6	210	160
Unit 7	210	180
	1040	700
Bhusawal		
Unit 1	58	25
Unit 2	210	180
Unit 3	210	185
	478	390
Parli		
Unit 1	30	23
Unit 2	30	23
Unit 3	210	160
Unit 4	210	200
Unit 5	210	0
Unit 6	250	245
	940	651
Chandrapur		
Unit 1	210	155
Unit 2	210	160
Unit 3	210	180
Unit 4	210	180
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	2025
Paras		
Unit 2	55	40
Unit 3	250	217
	305	257
Khaparkheda		
Unit 1	210	180
Unit 2	210	185
Unit 3	210	180
Unit 4	210	170
	840	715
Nasik		
Unit 1	120	70
Unit 2	120	90
Unit 3	210	205
Unit 4	210	205
Unit 5	210	100
	870	670
Uran		
All Units	852	575
	852	575
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	19
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	30
BHIRA T.R.	80	40
RNGR+BHTSA	20	12
BHANDARDRA	45	35
ELDARY	23	10
PAITHAN	12	10
GHATGHAR	250	0
	611	216
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	960	940
RGPL III	740	
	1700	940
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3032
	3143	3032