



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/Jan/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 02/Jan/2010 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	127.077	256.377	1) Madhya Pradesh	55.739	103.445
2) Hydro	6.408	10.957	2) Gujrat	16.971	31.152
3) Gas	14.934	30.168	3) Goa	-6.452	-12.806
Total MSGENCO	148.419	297.502	4) TAPS 1&2 (Inj.)	3.657	7.339
B) OTHERS			5) Pench (Excess)	-0.138	-0.247
1) RGPPL Gas	22.607	45.915	# Total Cent. Sector	69.777	128.883
2) Wind Generation	4.666	9.082	F) Other Exchanges		
3) PENCH (MS)	0.138	0.247	1) With TPCL	0.654	1.249
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	27.170	52.272	1) MSEDCL Bilateral	6.005	12.010
2) TPCL Hydro	3.306	6.079	Include PX	0.000	0.000
TOTAL TPCL	30.476	58.351	2) MUMBAI Bilateral	0.332	0.698
3) REL Thermal	12.654	25.307	Include PX	0.389	0.831
D) STATE			3) MUMBAI Schedule	0.332	0.698
1) Thermal (A1+C1+C3)	166.901	333.956	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	9.852	17.283	1) MSEDCL	246.261	482.878
3) Gas (A3+B1)	37.541	76.083	2) TPCL	27.814	54.293
4) Wind (B2)	4.666	9.082	3) REL	14.663	28.116
TOTAL STATE	218.960	436.404	TOTAL STATE	288.738	565.287

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	5438	5577	4966
MSGENCO Hydro	239	1075	253
MSGENCO Gas	629	641	594
MSGENCO Total Generation	6306	7293	5813
Central Sector Receipt	3302	3097	1997
RGPPL	942	942	942
WIND	177	84	289
Exchange with TPCL	57	-53	-5
MSEDCL DEMAND MET	10811	11390	9036
Load Shedding	3287	3396	269
MSEDCL DEMAND (INCL. LS)	14098	14786	9305
TPCL GENERATION	1716	1622	722
REL GENERATION	528	528	533
TPCL+REL DEMAND	2187	2203	1260
STATE DEMAND MET	12998	13593	10296
STATE DEMAND (INCL. LS)	16285	16989	10565
Frequency (Hz)	49.86	49.76	50.38
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3933 At 19.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			60.63 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
51.07 Hz at 03.05 Hrs	49.08 Hz at 17.28 Hrs	49.95	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 02/Jan/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.70	3.46	78	58	50
Unit 2	1.32	3.03	75	35	50
Unit 3	1.14	2.57	72	26	50
Unit 4	1.15	2.36	80	28	50
Unit 5	3.75	7.36	177	135	160
Unit 6	3.61	6.94	166	137	160
Unit 7	3.83	7.31	177	138	180
	16.49	33.02			700
Bhusawal					
Unit 1	0.21	1.40	42	0	25
Unit 2	4.23	8.64	190	159	180
Unit 3	4.38	8.74	195	165	185
	8.82	18.78			390
Parli					
Unit 1	0.57	1.11	26	22	23
Unit 2	0.56	1.10	24	22	23
Unit 3	3.74	7.45	160	146	160
Unit 4	4.63	8.99	214	170	200
Unit 5	2.68	6.72	178	0	0
Unit 6	5.21	10.89	243	184	245
	17.38	36.26			651
Chandrapur					
Unit 1	3.41	6.77	150	132	155
Unit 2	3.65	7.22	163	132	160
Unit 3	3.81	7.44	175	144	180
Unit 4	4.03	8.28	185	151	180
Unit 5	10.20	20.70	460	350	450
Unit 6	9.61	19.67	440	340	450
Unit 7	9.90	20.91	460	334	450
	44.62	90.98			2025
Paras					
Unit 2	0.66	1.75	44	22	40
Unit 3	5.10	10.49	234	180	217
	5.76	12.24			257
Khaparkheda					
Unit 1	4.47	8.88	198	166	180
Unit 2	4.55	8.84	200	169	185
Unit 3	4.70	9.34	214	175	180
Unit 4	4.62	8.65	214	156	170
	18.34	35.71			715
Nasik					
Unit 1	1.51	3.27	80	55	70
Unit 2	2.19	4.38	97	82	90
Unit 3	4.69	9.62	210	165	205
Unit 4	4.65	9.47	205	166	205
Unit 5	2.63	2.63	181	0	100
	15.67	29.38			670
Uran					
All Units	14.93	30.17	659	593	575
	14.93	30.17			575
Koyna					
Stage 1-2	1.38	2.40	240	40	600
Stage 4	0.83	0.83	280	0	250
Koyna 12&4 Total	2.21	3.23			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.61	0.82	228	0	240
	2.82	4.05			1090
Hydro					
KDPH	0.47	0.95	20	19	19
VTRNA	0.00	0.00	0	0	0
TILLARI	0.36	0.71	60	0	60
BHTGR/VEER	0.86	1.71	37	35	30
BHIRA T.R.	0.14	0.27	71	0	40
RNGR+BHTSA	0.31	0.62	15	12	12
BHANDARDRA	0.59	1.19	48	7	35
ELDARY	0.24	0.48	11	10	10
PAITHAN	0.06	0.12	10	0	10
GHATGHAR	0.58	0.88	120	0	0
	3.61	6.92			216
PENCH (MS)					
Pench (MS)	0.14	0.25	27	0	
	0.14	0.25			
Wind					
MalharPeth	0.15	0.24			
Vankuswadi	0.35	0.70			
ATIT	0.04	0.09			
Kale	0.10	0.18			
Satara	0.22	0.28			
Shirala	0.11	0.21			
K Mahankal	0.02	0.16			
Supa	0.12	0.20			
Vita	0.66	1.42			
Dondaicha	1.84	3.47			
Sakri	0.27	0.27			
Nandurbar	0.20	0.32			
Khadakale	0.31	0.87			
Khaparale	0.28	0.67			
	4.67	9.08			
Dabhol					
RGPP L II	22.61	45.92	942	941	940
RGPP L III	0.00	0.00	0	0	
	22.61	45.92			940
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.38	19.48	500	200	500
Trombay 6	7.82	13.42	510	150	500
Trombay 7A	2.93	5.80	128	118	120
Trombay 7B	1.62	3.21	69	66	60
Trombay 8	5.42	10.37	251	150	250
TATA Hydro	3.31	6.08	481	0	447
	30.48	58.35			1877
REL					
1&2	12.65	25.31	533	493	500
	12.65	25.31			500
Cent Sect					
Share					3032
					3032

MS PG CL	Thermal	127.08	256.38		5408
	Thml+Gas	142.01	286.54		5983
	Hydro	6.41	10.96		1306
	Total	148.42	297.50		7289
State Total		218.96	436.40		13638

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/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	5088	130	594	5812	941	258	2582	2289	-36	-6	9294	0	9294	1365	10659	50.18
2	4966	253	594	5813	942	289	2582	1997	-36	-5	9036	269	9305	1260	10565	50.38
3	4844	333	593	5770	942	313	2580	1989	-36	-1	9013	593	9606	1230	10836	50.48
4	4602	195	596	5393	942	385	2386	2317	-36	3	9040	785	9825	1197	11022	50.64
5	4590	146	597	5333	942	397	2434	2495	-36	-3	9164	822	9986	1189	11175	50.22
6	4895	169	604	5668	942	385	2606	2721	-36	-6	9710	1205	10915	1244	12159	50.00
7	5156	141	627	5924	942	285	2781	2815	54	76	10042	1855	11897	1374	13271	49.97
8	5228	132	631	5991	942	347	2781	3182	54	75	10537	2096	12633	1447	14080	49.91
9	5343	147	630	6120	942	240	2708	3030	54	72	10404	3100	13504	1640	15144	49.90
10	5444	238	614	6296	942	229	2717	2647	44	66	10180	3406	13586	1908	15494	50.00
11	5485	278	620	6383	942	210	2938	3040	46	63	10638	3222	13860	2133	15993	49.71
12	5438	239	629	6306	942	177	2934	3302	46	57	10811	3287	14098	2187	16285	49.86
13	5537	137	604	6278	942	105	2948	3130	46	98	10580	3269	13849	2177	16026	49.94
14	5507	132	610	6249	942	90	2948	3347	44	92	10747	3207	13954	2044	15998	49.95
15	5475	132	610	6217	942	59	2987	3457	44	95	10770	3195	13965	2051	16016	49.95
16	5336	147	623	6106	942	63	2987	3374	44	92	10577	3013	13590	2059	15649	49.66
17	5403	239	630	6272	942	72	2987	3308	44	90	10684	3046	13730	2034	15764	49.64
18	5499	524	635	6658	942	88	3053	3296	-22	34	11023	2812	13835	2033	15868	49.50
19	5577	1075	641	7293	942	84	2912	3097	-112	-53	11390	3396	14786	2203	16989	49.76
20	5609	625	643	6877	942	89	3037	3255	-112	-57	11131	3529	14660	2224	16884	49.65
21	5671	515	647	6833	942	96	3037	3239	-112	-53	11057	3201	14258	2108	16366	49.69
22	5626	211	650	6487	942	119	2807	2895	-112	-49	10394	3226	13620	1870	15490	49.95
23	5408	137	653	6198	942	130	2654	2922	-112	-44	10148	2350	12498	1794	14292	49.88
24	5353	132	659	6144	942	162	2584	2630	-46	18	9896	1324	11220	1705	12925	49.95
MUs	127.08	6.41	14.93	148.42	22.61	4.67	66.97	69.77	-0.33	0.65	246.27	56.21	302.47	42.48	344.95	49.95

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 02/Jan/2010

Position as on 6.30 Hrs of 03/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
Tata Trombay 5	500	03/01/2010	00.57		Continued.	AOH	01/02/2010
Cent_Sect TARAPUR-4	540	03/01/2010	08.26		Continued.	Maintenance Work.	10/01/2010
Koyna Unit 2	75	03/01/2010	08:00		Continued.	checking bearing vibration & realignment work.	19/01/2010
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	02/01/2010	08.27	Low Drum Level	
Bhusawal Unit 1	58	02/01/2010	06.25		Continued.	ID Fan Problem	04/01/2010
Parli Unit 5	210	02/01/2010	21.55	03/01/2010	01.32	High Drum Level	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Jan/2010

Position as on 6.30 Hrs of 03/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
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	02/01/2010	08.53	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
Main Bus-II at 400KV Kalwa	01/01/2010	08.07		Continued.	Replacement of 29B Isolator
Dabhol - Nagothane - I	02/01/2010	08.06	02/01/2010	19.00	Cold Washing of Insulators
Babaleshwar-Bhusawal	02/01/2010	10.21	02/01/2010	17.55	Isolator Maintenance Work.
80 MVAR Bus Reactor at Kolhapur	02/01/2010	11.25	02/01/2010	14.20	R.M.Work & Testing Work.
Main Bus - I @ Bhusawal	02/01/2010	11.30	02/01/2010	17.17	Bus Extension Work.
Dabhol - Nagothane - I	03/01/2010	08.30	03/01/2010	18.46	Cold Washing of Insulators.
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	03/01/2010	10.30	Errection of Tower
220/132KV 100MVA ICT-II at Parli-II	26/12/2009	09.10		Continued.	Replacement of H.V./L.V.Breaker
Mulund-Trombay	30/12/2009	09.40	02/01/2010	22.56	Relay pannel replacement work.
Main Bus @ Raymand	02/01/2010	09.30	02/01/2010	18.38	Maintenance Work.
Nasik-Raymond	02/01/2010	09.30	02/01/2010	18.30	Bay Maintenance Work.
200 MVA ICT at Raymond	02/01/2010	09.30	02/01/2010	18.45	Tandelta Measurment.
Raymond-Washala	02/01/2010	09.40	02/01/2010	19.05	Tandelta Measurment.
Mudshingi - Karad - II	02/01/2010	10.36	02/01/2010	17.38	Cold Washing of Insulators.
Voltage Level : 500KV			Outage Type FORCED OUTAGE		
Chandrapur-Padaghe Pole - II	02/01/2010	01.48	02/01/2010	06.54	R phase Convertor x'mer oil temp.high
Voltage Level : 132KV			Outage Type FORCED OUTAGE		
Main Bus @ Girawali	03/01/2010	12.07	03/01/2010	17.30	Replacement of Broken Y Ph Conductor of Main Bus.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	26/12/2009	18.00	02/01/2010	10.19	H/T for O/V.
Bhusawal- Aurangabad	02/01/2010	18:23	03/01/2010	14:40	Charged to improve voltage from Aurangabad end.
Parli-Lonikand - II	02/01/2010	21.09	02/01/2010	21.23	Hand Tripped for Taking Line Reactor into Service @ Lonikand end.
Bhusawal- Aurangabad	03/01/2010	18:02		Continued.	H/T from Aurangabad end.
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		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/Jan/2010

Position as on 6.30 Hrs of 03/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Parli-Lonikand - II	01/01/2010	19.09	02/01/2010	08.27	Tripped on Reactor Oil temp.
Lonikand - Chakan	02/01/2010	01.35	02/01/2010	07.04	Over Voltage at Chakan
Voltage Level : 132KV			Outage Type TRIPPED		
Nanded - Elichpur	01/01/2010	23.20	02/01/2010	00.02	Tripped on O/C
Kanhan - Mankapur.	02/01/2010	03.06	02/01/2010	03.24	Distanance Protection.
Kanhan-Pardi	02/01/2010	03.06	02/01/2010	03.30	Distanance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 03/Jan/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	65
Unit 3	105	40
Unit 4	105	40
Unit 5	200	150
Unit 6	210	150
Unit 7	210	160
	1040	675
Bhusawal		
Unit 1	58	0
Unit 2	210	190
Unit 3	210	190
	478	380
Parli		
Unit 1	30	23
Unit 2	30	23
Unit 3	210	160
Unit 4	210	200
Unit 5	210	190
Unit 6	250	245
	940	841
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	180
Unit 4	210	180
Unit 5	500	425
Unit 6	500	450
Unit 7	500	450
	2340	2005
Paras		
Unit 2	55	47
Unit 3	250	200
	305	247
Khaparkheda		
Unit 1	210	190
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	800
Nasik		
Unit 1	120	90
Unit 2	120	95
Unit 3	210	205
Unit 4	210	205
Unit 5	210	200
	870	795
Uran		
All Units	852	630
	852	630
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	0
TILLARI	60	60
BHTGR/VEER	21	45
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	50
ELDARY	23	10
PAITHAN	12	10
GHATGHAR	250	0
	611	288
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		
RGPPPL II	960	940
RGPPPL III	740	
	1700	940
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3106
	3143	3106