



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Jan/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/Jan/2010 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	131.173	517.907	1) Madhya Pradesh	64.754	234.490
2) Hydro	12.368	28.860	2) Gujrat	14.835	59.477
3) Gas	13.587	58.341	3) Goa	-6.616	-25.204
Total MSGENCO	157.128	605.108	4) TAPS 1&2 (Inj.)	3.650	14.613
B) OTHERS			5) Pench (Excess)	-0.243	-0.649
1) RGPPL Gas	23.499	91.905	# Total Cent. Sector	76.380	282.727
2) Wind Generation	1.639	12.574	F) Other Exchanges		
3) PENCH (MS)	0.243	0.649	1) With TPCL	-5.698	-5.786
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	20.836	94.939	1) MSEDCL Bilateral	6.000	24.015
2) TPCL Hydro	5.372	13.452	Include PX	0.000	0.000
TOTAL TPCL	26.208	108.391	2) MUMBAI Bilateral	6.618	9.122
3) REL Thermal	12.717	50.757	Include PX	3.948	5.437
D) STATE			3) MUMBAI Schedule	6.618	9.122
1) Thermal (A1+C1+C3)	164.726	663.603	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	17.983	42.961	1) MSEDCL	253.191	987.177
3) Gas (A3+B1)	37.086	150.246	2) TPCL	29.318	107.894
4) Wind (B2)	1.639	12.574	3) REL	15.304	57.035
TOTAL STATE	221.434	869.384	TOTAL STATE	297.813	1152.106

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5387	5367	5521
MSGENCO Hydro	481	1611	165
MSGENCO Gas	607	600	518
MSGENCO Total Generation	6475	7578	6204
Central Sector Receipt	3922	3457	2229
RGPPL	964	969	1004
WIND	28	74	98
Exchange with TPCL	-425	-494	11
MSEDCL DEMAND MET	10987	11587	9546
Load Shedding	3373	3405	0
MSEDCL DEMAND (INCL. LS)	14360	14992	9546
TPCL GENERATION	1417	1260	688
REL GENERATION	528	525	533
TPCL+REL DEMAND	2370	2279	1210
STATE DEMAND MET	13357	13866	10756
STATE DEMAND (INCL. LS)	16730	17271	10756
Frequency (Hz)	49.64	49.54	50.13
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4392 MW at 15.00Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			72.41 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.42 Hz at 06.03 Hrs	49.04 Hz at 19.34 Hrs	49.78	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 04/Jan/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.94	7.27	84	78	80
Unit 2	1.78	6.55	77	70	70
Unit 3	1.19	4.89	57	42	50
Unit 4	1.74	5.64	78	61	80
Unit 5	4.00	15.07	182	158	170
Unit 6	3.78	14.42	172	140	160
Unit 7	4.41	15.78	188	177	180
	18.84	69.63			790
Bhusawal					
Unit 1	0.00	1.40	0	0	0
Unit 2	1.66	14.56	170	0	180
Unit 3	4.34	17.46	190	175	185
	6.00	33.42			365
Parli					
Unit 1	0.55	2.23	25	19	23
Unit 2	0.52	2.17	25	20	23
Unit 3	3.70	14.78	160	140	160
Unit 4	4.33	17.91	196	166	200
Unit 5	3.90	14.38	178	143	180
Unit 6	5.48	21.92	242	206	230
	18.48	73.40			816
Chandrapur					
Unit 1	3.41	13.54	147	137	155
Unit 2	3.82	14.81	167	144	160
Unit 3	3.94	15.00	181	149	160
Unit 4	4.19	16.29	188	151	180
Unit 5	10.15	40.56	465	370	450
Unit 6	9.77	39.05	450	365	450
Unit 7	9.85	39.75	445	379	450
	45.14	179.02			2005
Paras					
Unit 2	0.60	2.97	26	22	26
Unit 3	5.18	21.01	232	190	225
	5.79	23.98			251
Khaparkheda					
Unit 1	4.50	18.04	193	179	190
Unit 2	4.68	18.07	203	189	190
Unit 3	4.74	18.68	208	165	180
Unit 4	4.42	17.86	191	177	190
	18.34	72.64			750
Nasik					
Unit 1	2.22	7.32	100	77	81
Unit 2	2.22	8.79	99	80	86
Unit 3	4.94	19.37	209	201	187
Unit 4	4.86	19.18	207	200	187
Unit 5	4.33	11.16	190	173	182
	18.58	65.83			723
Uran					
All Units	13.59	58.34	607	486	500
	13.59	58.34			500
Koyna					
Stage 1-2	1.18	4.92	175	30	530
Stage 4	5.54	7.27	928	0	250
Koyna 12&4 Total	6.72	12.20			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.35	2.44	240	0	240
	8.08	14.64			1020
Hydro					
KDPH	0.47	1.88	20	18	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.35	1.43	60	0	60
BHTGR/VEER	1.08	3.63	45	45	45
BHIRA T.R.	0.10	0.49	78	0	80
RNGR+BHTSA	0.36	1.30	15	15	15
BHANDARDRA	1.20	2.99	50	50	50
ELDARY	0.00	0.71	0	0	0
PAITHAN	0.00	0.17	0	0	9
GHATGHAR	0.72	1.61	125	0	0
	4.29	14.22			277
PENCH (MS)					
Pench (MS)	0.24	0.65	27	0	
	0.24	0.65			
Wind					
MalharPeth	0.13	0.43			
Vankuswadi	0.25	1.14			
ATIT	0.07	0.19			
Kale	0.07	0.30			
Satara	0.08	0.42			
Shirala	0.08	0.33			
K Mahankal	0.02	0.21			
Supa	0.12	0.35			
Vita	0.38	2.13			
Dondaicha	0.16	4.28			
Sakri	0.03	0.41			
Nandurbar	0.02	0.45			
Khadakale	0.02	1.00			
Khaparale	0.21	0.93			
	1.64	12.57			
Dabhol					
RGPP L II	23.50	91.90	1005	964	940
RGPP L III	0.00	0.00	0	0	
	23.50	91.90			940
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	19.68	0	0	0
Trombay 6	11.08	36.22	510	330	500
Trombay 7A	2.67	11.31	128	80	120
Trombay 7B	1.55	6.33	70	57	60
Trombay 8	5.54	21.40	252	150	250
TATA Hydro	5.37	13.45	468	0	447
	26.21	108.39			1377
REL					
1&2	12.72	50.76	533	525	500
	12.72	50.76			500
Cent Sect					
Share					3184
					3184

MS PG CL	Thermal	131.17	517.91		5700
	Thml+Gas	144.76	576.25		6200
	Hydro	12.37	28.86		1297
	Total	157.13	605.11		7497
State Total		221.43	869.38		13498

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/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	5484	163	486	6133	1000	60	2447	2400	-47	-4	9589	451	10040	1420	11460	50.23
2	5441	163	503	6107	1005	70	2447	2392	-47	-4	9570	0	9570	1260	10830	50.25
3	5497	165	506	6168	1005	92	2447	2484	-47	5	9754	0	9754	1235	10989	50.17
4	5521	165	518	6204	1004	98	2447	2229	-47	11	9546	0	9546	1210	10756	50.13
5	5582	170	521	6273	1001	90	2448	2442	-47	-6	9800	1052	10852	1216	12068	50.08
6	5614	165	524	6303	992	88	2445	2970	-47	-45	10319	2052	12371	1343	13714	49.95
7	5677	170	564	6411	989	103	2621	2828	43	55	10413	2713	13126	1470	14596	49.99
8	5732	165	607	6504	985	87	2623	3115	43	35	10753	3319	14072	1622	15694	49.76
9	5706	218	607	6531	981	56	2503	2552	43	39	10186	3709	13895	1835	15730	49.78
10	5689	313	604	6606	981	37	2800	3343	-182	-171	10823	3729	14552	2121	16673	49.75
11	5497	284	600	6381	964	37	3244	3842	-411	-387	10860	3367	14227	2324	16551	49.47
12	5387	481	607	6475	964	28	3311	3922	-480	-425	10987	3373	14360	2370	16730	49.64
13	5353	310	598	6261	967	27	3386	3857	-503	-456	10679	3316	13995	2270	16265	49.71
14	5347	234	603	6184	965	27	3385	4223	-503	-461	10938	3349	14287	2207	16494	49.66
15	5323	444	586	6353	965	32	3385	4228	-503	-464	11114	3275	14389	2228	16617	49.67
16	5330	659	578	6567	966	47	3385	3744	-503	-455	10869	3244	14113	2190	16303	49.60
17	5301	854	588	6743	965	59	3385	3763	-503	-460	11070	3259	14329	2208	16537	49.53
18	5342	1213	604	7159	968	61	3386	3572	-503	-455	11305	2867	14172	2153	16325	49.60
19	5367	1611	600	7578	969	74	3218	3457	-530	-494	11587	3405	14992	2279	17271	49.54
20	5371	1475	573	7419	966	96	3273	3091	-483	-429	11170	3559	14729	2248	16977	49.42
21	5376	1302	567	7245	967	99	3136	3164	-342	-287	11213	3264	14477	2100	16577	49.44
22	5389	1035	557	6981	973	105	2954	2892	-342	-284	10667	3291	13958	1956	15914	49.67
23	5425	431	541	6397	973	91	2953	3027	-342	-279	10209	3078	13287	1740	15027	49.63
24	5420	178	545	6143	984	75	2923	2853	-342	-277	9778	1871	11649	1618	13267	50.03
MUs	131.17	12.37	13.59	157.13	23.50	1.64	70.55	76.39	-6.62	-5.70	253.20	61.54	314.74	44.62	359.36	49.78

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 04/Jan/2010

Position as on 6.30 Hrs of 05/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
Bhusawal Unit 1	58	02/01/2010	06.25		Continued.	ID Fan Problem	06/01/2010
Bhusawal Unit 2	210	04/01/2010	09.56		Continued.	Boiler Tube Leakage	07/01/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Jan/2010

Position as on 6.30 Hrs of 05/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Varsova - Aarey - I	04/01/2010	09.09	04/01/2010	13.48	R Phase CT Replacement
Tillary-Amona-Phonda	04/01/2010	12.25	04/01/2010	17.05	To attend B phase CT oil leakage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	16/12/2009	13:00		Continued.	H/T.
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	04/01/2010	08.04	04/01/2010	19.14	Cold Washing of Insulator
New Koyna - Koyna Stage IV - II	04/01/2010	10.08	04/01/2010	12.30	Taken on TBC to attend CB Problem
ICT-II Main Breaker at Koradi	04/01/2010	10.38		Continued.	Overhauling of own Breaker
400/220 KV 315 MVA ICT - II @ Koradi.	04/01/2010	10.38		Continued.	400KV Main Breaker Overhaul. H.V. side of ICT will be on TBC
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	04/01/2010	20.31	Errection of tower
220/132KV 100MVA ICT-II at Parli-II	26/12/2009	09.10		Continued.	Replacement of H.V./L.V. Breaker
Pedambe-Newkoyna	04/01/2010	07.35	04/01/2010	17.52	Main Bus-I outage at Pedambe
Pedambe - Mahad	04/01/2010	07.42	04/01/2010	18.14	Main Bus-I outage at Pedambe
Pedambe - Pophali	04/01/2010	07.50	04/01/2010	17.15	Main Bus-I outage at Pedambe
Main Bus Section- I at Pedambe	04/01/2010	08.10	04/01/2010	17.05	R.M. work
Bus section at Jindal	04/01/2010	09.35	04/01/2010	19:00	To attend Hot Spot
Boiser PGCIL-Boiser II	04/01/2010	09.55	04/01/2010	18.40	Insulator replacement work
M.B. II at Talangde S/S.	04/01/2010	10.21		Continued.	maintenance work
Dhamangaon - Badnera	04/01/2010	10.40	04/01/2010	15.10	Tightning of LA Jumper Clamp
Warora-Hinganghat	04/01/2010	10.42	04/01/2010	15.28	Replacement of Earth Wire
Jindal - Ghatghar	04/01/2010	11.20	04/01/2010	20.26	insulator replacement work
Aurangabad-Jalna-I	04/01/2010	11.20	04/01/2010	16.32	Q.M.work
Padgha - Jindal	04/01/2010	12.44	04/01/2010	19.28	Maintenance work
Voltage Level : 500KV			Outage Type FORCED OUTAGE		
HVDC POLE II - CHDPR	04/01/2010	21.42	05/01/2010	01.26	Oil Topup in Radiators of R-Phase Converter Transformer
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	03/01/2010	18:02	04/01/2010	10:01	H/T from Aurangabad end.
Bhusawal- Aurangabad	04/01/2010	18.27		Continued.	H/T from Aurangabad end to control O/V
Voltage Level : 220KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 04/Jan/2010

Position as on 6.30 Hrs of 05/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Aurangabad - Bhenda	12/12/2009	09.39		Continued.	H/T at A'Bad to control ICT loading
Voltage Level : 220KV			Outage Type TRIPPED		
URAN_HOCL	04/01/2010	00.55	04/01/2010	17.56	Tripped.
Voltage Level : 132KV			Outage Type TRIPPED		
Bhusawal - Nimbhora Ckt.	04/01/2010	12.39	04/01/2010	12.48	Load Trimming scheme operated
Bhusawal-Yawal Ckt.	04/01/2010	12.39	04/01/2010	12.48	Load Trimming scheme operated
Bhusawal - Jalgaon - I	04/01/2010	12.39	04/01/2010	12.45	Load Trimming scheme operated
Bhusawal - Jalgaon - II	04/01/2010	12.39	04/01/2010	12.45	Load Trimming scheme operated

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/Jan/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	70
Unit 3	105	50
Unit 4	105	70
Unit 5	200	170
Unit 6	210	160
Unit 7	210	170
	1040	770
Bhusawal		
Unit 1	58	0
Unit 2	210	0
Unit 3	210	190
	478	190
Parli		
Unit 1	30	23
Unit 2	30	23
Unit 3	210	160
Unit 4	210	200
Unit 5	210	175
Unit 6	250	235
	940	816
Chandrapur		
Unit 1	210	155
Unit 2	210	160
Unit 3	210	140
Unit 4	210	180
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	1985
Paras		
Unit 2	55	45
Unit 3	250	226
	305	271
Khaparkheda		
Unit 1	210	190
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	800
Nasik		
Unit 1	120	100
Unit 2	120	100
Unit 3	210	200
Unit 4	210	200
Unit 5	210	190
	870	790
Uran		
All Units	852	600
	852	600
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	18
VTRNA	60	
TILLARI	60	60
BHTGR/VEER	21	45
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	50
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	268
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	0
Trombay 6	500	500
Trombay 7A	120	130
Trombay 7B	60	70
Trombay 8	250	250
TATA Hydro	444	447
	2024	1397
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3340
	3143	3340