



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

State Load Dispatch Center, Airoli

Daily system Report

for

05/Jan/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 05/Jan/2010 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	131.633	649.540	1) Madhya Pradesh	60.294	294.784
2) Hydro	13.596	42.456	2) Gujrat	18.692	78.169
3) Gas	14.102	72.443	3) Goa	-6.875	-32.079
Total MSGENCO	159.331	764.439	4) TAPS 1&2 (Inj.)	3.661	18.274
B) OTHERS			5) Pench (Excess)	-0.178	-0.827
1) RGPPL Gas	22.423	114.328	# Total Cent. Sector	75.594	358.321
2) Wind Generation	1.840	14.414	F) Other Exchanges		
3) PENCH (MS)	0.178	0.827	1) With TPCL	-6.240	-12.026
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	20.402	115.341	1) MSEDCL Bilateral	6.000	30.016
2) TPCL Hydro	5.753	19.205	Include PX	0.000	0.000
TOTAL TPCL	26.155	134.546	2) MUMBAI Bilateral	6.967	16.089
3) REL Thermal	12.719	63.476	Include PX	4.348	9.784
D) STATE			3) MUMBAI Schedule	6.967	16.089
1) Thermal (A1+C1+C3)	164.754	828.357	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	19.527	62.488	1) MSEDCL	253.126	1240.303
3) Gas (A3+B1)	36.525	186.771	2) TPCL	29.518	137.412
4) Wind (B2)	1.840	14.414	3) REL	15.594	72.629
TOTAL STATE	222.646	1092.030	TOTAL STATE	298.238	1450.344

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5534	5623	5254
MSGENCO Hydro	790	1280	151
MSGENCO Gas	631	602	554
MSGENCO Total Generation	6955	7505	5959
Central Sector Receipt	3586	3564	2581
RGPPL	927	935	938
WIND	54	90	113
Exchange with TPCL	-434	-467	-23
MSEDCL DEMAND MET	11088	11654	9568
Load Shedding	3322	3514	1678
MSEDCL DEMAND (INCL. LS)	14410	15168	11246
TPCL GENERATION	1364	1333	696
REL GENERATION	528	526	533
TPCL+REL DEMAND	2326	2326	1252
STATE DEMAND MET	13414	13980	10820
STATE DEMAND (INCL. LS)	16736	17494	12498
Frequency (Hz)	49.50	49.52	49.91
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4330 MW at 19.00Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			80.30 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.24 Hz at 02.02 Hrs	48.79 Hz at 21.14 Hrs	49.56	.54 % 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 05/Jan/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.96	9.23	88	72	80
Unit 2	1.77	8.32	86	69	70
Unit 3	1.19	6.08	72	39	50
Unit 4	1.64	7.28	80	48	70
Unit 5	3.94	19.02	170	158	170
Unit 6	3.93	18.35	178	148	160
Unit 7	4.21	20.00	185	162	170
	18.65	88.28			770
Bhusawal					
Unit 1	0.45	1.85	36	0	0
Unit 2	0.00	14.56	0	0	0
Unit 3	4.36	21.82	197	173	190
	4.81	38.24			190
Parli					
Unit 1	0.58	2.80	25	23	23
Unit 2	0.58	2.75	26	22	23
Unit 3	3.69	18.47	158	149	160
Unit 4	4.83	22.74	212	181	200
Unit 5	4.17	18.55	180	166	175
Unit 6	5.60	27.53	245	223	235
	19.44	92.84			816
Chandrapur					
Unit 1	3.32	16.86	145	128	155
Unit 2	3.73	18.54	161	141	160
Unit 3	3.64	18.64	179	118	140
Unit 4	3.95	20.24	192	96	180
Unit 5	10.29	50.85	445	390	450
Unit 6	10.31	49.36	450	400	450
Unit 7	10.13	49.89	450	368	450
	45.37	224.38			1985
Paras					
Unit 2	1.08	4.05	49	27	45
Unit 3	5.02	26.02	234	190	226
	6.10	30.08			271
Khaparkheda					
Unit 1	4.56	22.60	203	148	190
Unit 2	4.64	22.71	200	185	190
Unit 3	4.84	23.52	214	193	210
Unit 4	4.70	22.56	213	175	210
	18.75	91.39			800
Nasik					
Unit 1	2.20	9.52	99	80	100
Unit 2	2.16	10.95	97	81	100
Unit 3	4.96	24.33	213	201	200
Unit 4	4.85	24.03	210	195	200
Unit 5	4.34	15.50	188	172	190
	18.51	84.34			790
Uran					
All Units	14.10	72.44	641	532	600
	14.10	72.44			600
Koyna					
Stage 1-2	2.04	6.96	180	35	530
Stage 4	5.54	12.82	795	0	250
Koyna 12&4 Total	7.58	19.78			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.74	4.18	236	0	240
	9.33	23.97			1020
Hydro					
KDPH	0.17	2.06	20	0	18
VTRNA	0.00	0.00	0	0	
TILLARI	0.37	1.80	60	0	60
BHTGR/VEER	0.84	4.47	35	35	45
BHIRA T.R.	0.22	0.71	80	0	80
RNGR+BHTSA	0.31	1.61	15	12	15
BHANDARDRA	1.19	4.18	50	49	50
ELDARY	0.00	0.71	0	0	0
PAITHAN	0.06	0.23	10	0	0
GHATGHAR	1.11	2.72	125	0	0
	4.27	18.49			268
PENCH (MS)					
Pench (MS)	0.18	0.83	27	0	
	0.18	0.83			
Wind					
MalharPeth	0.05	0.48			
Vankuswadi	0.18	1.31			
ATIT	0.02	0.22			
Kale	0.04	0.34			
Satara	0.11	0.53			
Shirala	0.07	0.40			
K Mahankal	0.01	0.22			
Supa	0.05	0.40			
Vita	0.40	2.54			
Dondaicha	0.44	4.73			
Sakri	0.06	0.47			
Nandurbar	0.08	0.53			
Khadakale	0.28	1.28			
Khaparale	0.05	0.98			
	1.84	14.41			
Dabhol					
RGPP L II	22.42	114.33	950	925	940
RGPP L III	0.00	0.00	0	0	
	22.42	114.33			940
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	19.68	0	0	0
Trombay 6	11.10	47.32	510	325	500
Trombay 7A	2.30	13.61	128	70	130
Trombay 7B	1.44	7.77	69	53	70
Trombay 8	5.56	26.96	252	150	250
TATA Hydro	5.75	19.20	481	0	447
	26.16	134.55			1397
REL					
1&2	12.72	63.48	533	525	500
	12.72	63.48			500
Cent Sect					
Share					3340
					3340

MS PG CL	Thermal	131.63	649.54		5622
	Thml+Gas	145.74	721.98		6222
	Hydro	13.60	42.46		1288
	Total	159.33	764.44		7510
State Total		222.65	1092.03		13687

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/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	5310	151	555	6016	933	85	2495	2496	-42	-48	9482	1756	11238	1408	12646	49.79
2	5256	151	554	5961	935	103	2495	2649	-42	-29	9619	1788	11407	1325	12732	49.93
3	5254	151	554	5959	938	113	2495	2581	-42	-23	9568	1678	11246	1252	12498	49.91
4	5222	151	554	5927	950	87	2497	2587	-42	-20	9531	2021	11552	1238	12790	50.02
5	5318	156	559	6033	940	79	2510	2667	-42	-19	9700	2183	11883	1227	13110	49.81
6	5351	468	615	6434	935	70	2519	2709	-42	-23	10138	2470	12608	1297	13905	49.49
7	5472	257	634	6363	935	70	2685	2682	48	47	10124	3324	13448	1481	14929	49.54
8	5509	293	641	6443	935	83	2685	2703	48	52	10243	3594	13837	1609	15446	49.47
9	5526	222	631	6379	933	60	2746	2901	-97	-93	10207	3581	13788	1819	15607	49.43
10	5417	617	607	6641	930	71	3067	3187	-228	-225	10610	3531	14141	2093	16234	49.45
11	5491	851	611	6953	925	61	3345	3506	-434	-419	11026	3233	14259	2309	16568	49.46
12	5534	790	631	6955	927	54	3392	3586	-483	-434	11088	3322	14410	2326	16736	49.50
13	5553	801	602	6956	935	33	3544	3555	-526	-479	11000	3312	14312	2278	16590	49.40
14	5575	671	563	6809	935	35	3529	3770	-526	-484	11065	3359	14424	2221	16645	49.55
15	5617	774	568	6959	935	45	3473	3644	-526	-483	11100	3358	14458	2244	16702	49.36
16	5609	813	583	7005	934	50	3470	3556	-526	-483	11062	3385	14447	2256	16703	49.39
17	5587	845	579	7011	933	54	3470	3570	-526	-482	11086	3395	14481	2251	16732	49.40
18	5635	852	583	7070	934	60	3598	3793	-502	-459	11398	3007	14405	2225	16630	49.43
19	5623	1280	602	7505	935	90	3423	3564	-511	-467	11654	3514	15168	2326	17494	49.52
20	5657	1185	603	7445	934	113	3417	3299	-473	-432	11386	3662	15048	2308	17356	49.34
21	5573	963	598	7134	934	114	3193	3249	-341	-288	11167	3327	14494	2146	16640	49.44
22	5533	635	575	6743	935	104	3004	3208	-341	-288	10702	3345	14047	2007	16054	49.49
23	5543	368	568	6479	933	102	3107	3064	-435	-377	10201	3101	13302	1805	15107	49.56
24	5466	151	532	6149	930	104	3019	3068	-341	-284	9967	1814	11781	1663	13444	49.71
MUs	131.63	13.60	14.10	159.33	22.42	1.84	73.18	75.59	-6.97	-6.24	253.12	71.06	324.18	45.11	369.30	49.56

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 05/Jan/2010

Position as on 6.30 Hrs of 06/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	05/01/2010	18.05	Retrofitting of Excitation System.	
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
Khaparkheda Unit 1	210	05/01/2010	23.57		Continued.	AOH	09/02/2010
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	05/01/2010	07.05	ID Fan Problem	
Bhusawal Unit 2	210	04/01/2010	09.56		Continued.	Boiler Tube Leakage	07/01/2010
Nasik Unit 5	210	06/01/2010	02.40		Continued.	ID Fan Problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Jan/2010

Position as on 6.30 Hrs of 06/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Koradi-Satpur	05/01/2010	10.33	05/01/2010	20.16	Retrofitting work
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
400/220 KV 315 MVA ICT - II @ Koradi.	04/01/2010	10.38		Continued.	400KV Main Breaker Overhaul. H.V.side of ICT 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
220/132KV 100MVA ICT-II at Parli-II	26/12/2009	09.10		Continued.	Replacement of H.V./L.V.Breaker
M.B. II at Talangde S/S.	04/01/2010	10.21		Continued.	maintenance work
Vankuswadi-KDPH	05/01/2010	09.30	05/01/2010	11.55	C.B.Maintenance work
Pedambe-Kharepatan	05/01/2010	09.47	05/01/2010	17.25	Line Insulators washing and cleaning work
Karad-Oglewadi-I	05/01/2010	10.10	05/01/2010	13.22	Q.M.Work
200/100KV, 100MVA ICT-I at Taloja	05/01/2010	10.59	05/01/2010	19.08	Tan Delta Measurement work
Parly - Harangool - I	05/01/2010	11:30	05/01/2010	16:54	Q.M. Work.
220/100 KV, 200 MVA ICT-IV At Apta	05/01/2010	14.56	05/01/2010	19.35	Tan Delta Measurement
Khaperkheda-Koradi Ckt.	05/01/2010	16.39	05/01/2010	17.30	Attending PDR relay problem of main breaker, ckt on TBC
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	04/01/2010	18.27	05/01/2010	10.28	H/T from Aurangabad end to control O/V
Bhusawal- Aurangabad	05/01/2010	18.05		Continued.	H/T from A'Bad end to control O/V
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 : 220KV			Outage Type TRIPPED		
Wardha--Dhamangaon	05/01/2010	20.49		Continued.	B phase C.C.Burst at Wardha end
null					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Vita - Miraj	05/01/2010	11.43	05/01/2010	17.50	Q.M.Work

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 06/Jan/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	70
Unit 3	105	60
Unit 4	105	75
Unit 5	200	160
Unit 6	210	150
Unit 7	210	180
	1040	775
Bhusawal		
Unit 1	58	25
Unit 2	210	0
Unit 3	210	190
	478	215
Parli		
Unit 1	30	23
Unit 2	30	23
Unit 3	210	160
Unit 4	210	200
Unit 5	210	175
Unit 6	250	250
	940	831
Chandrapur		
Unit 1	210	145
Unit 2	210	160
Unit 3	210	130
Unit 4	210	180
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	1965
Paras		
Unit 2	55	46
Unit 3	250	225
	305	271
Khaparkheda		
Unit 1	210	0
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	610
Nasik		
Unit 1	120	90
Unit 2	120	90
Unit 3	210	190
Unit 4	210	190
Unit 5	210	0
	870	560
Uran		
All Units	852	480
	852	480
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	20
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	35
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	50
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	260
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	3045
	3143	3045

	17616	12849
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