



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

State Load Dispatch Center, Airoli

Daily system Report

for

13/Jan/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 13/Jan/2010 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	124.499	1641.509	1) Madhya Pradesh	53.950	733.866
2) Hydro	5.635	119.622	2) Gujrat	25.274	270.098
3) Gas	11.739	179.325	3) Goa	-6.651	-83.798
Total MSGENCO	141.873	1940.456	4) TAPS 1&2 (Inj.)	3.676	43.907
B) OTHERS			5) Pench (Excess)	-0.275	-4.172
1) RGPPL Gas	29.737	334.071	# Total Cent. Sector	75.974	959.901
2) Wind Generation	3.470	36.504	F) Other Exchanges		
3) PENCH (MS)	0.275	4.172	1) With TPCL	-6.151	-51.381
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	19.791	283.127	1) MSEDCL Bilateral	7.231	84.191
2) TPCL Hydro	6.000	64.937	Include PX	1.241	6.204
TOTAL TPCL	25.791	348.064	2) MUMBAI Bilateral	7.097	59.289
3) REL Thermal	12.715	165.087	Include PX	4.230	32.535
D) STATE			3) MUMBAI Schedule	7.097	60.139
1) Thermal (A1+C1+C3)	157.005	2089.723	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	11.910	188.731	1) MSEDCL	245.178	3223.723
3) Gas (A3+B1)	41.476	513.396	2) TPCL	28.980	367.315
4) Wind (B2)	3.470	36.504	3) REL	15.673	197.411
TOTAL STATE	213.861	2828.354	TOTAL STATE	289.831	3788.449

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5263	5260	5072
MSGENCO Hydro	346	482	146
MSGENCO Gas	495	488	483
MSGENCO Total Generation	6104	6230	5701
Central Sector Receipt	3450	4043	2319
RGPPL	1230	1234	1250
WIND	55	113	260
Exchange with TPCL	-500	-415	-12
MSEDCL DEMAND MET	10349	11225	9518
Load Shedding	3204	3485	0
MSEDCL DEMAND (INCL. LS)	13553	14710	9518
TPCL GENERATION	1306	1274	756
REL GENERATION	529	526	532
TPCL+REL DEMAND	2335	2215	1300
STATE DEMAND MET	12684	13440	10818
STATE DEMAND (INCL. LS)	15888	16925	10818
Frequency (Hz)	49.57	49.56	50.22
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3890 MW at 19:00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			55.37 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.73 Hz at 06.05 Hrs	48.97 Hz at 22.05 Hrs	49.76	.14 % 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 13/Jan/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	2.00	24.66	89	78	80
Unit 2	1.70	21.50	75	64	70
Unit 3	0.00	10.30	0	0	0
Unit 4	0.64	17.24	78	0	0
Unit 5	3.50	47.88	162	114	150
Unit 6	3.56	39.52	162	118	130
Unit 7	0.00	46.91	1	0	0
	11.40	208.01			430
Bhusawal					
Unit 1	1.18	10.50	54	45	50
Unit 2	4.33	41.24	192	164	185
Unit 3	4.36	56.17	185	165	180
	9.87	107.92			415
Parli					
Unit 1	0.55	7.20	24	21	23
Unit 2	0.54	7.10	24	21	23
Unit 3	3.31	34.05	143	132	140
Unit 4	4.86	60.08	212	192	200
Unit 5	3.98	51.08	175	155	175
Unit 6	5.18	71.94	247	126	245
	18.42	231.44			806
Chandrapur					
Unit 1	3.40	43.75	148	125	150
Unit 2	3.68	49.75	171	126	160
Unit 3	4.28	49.84	200	143	200
Unit 4	3.92	43.45	198	125	180
Unit 5	10.40	134.19	445	400	450
Unit 6	10.01	130.08	435	395	450
Unit 7	10.83	130.65	463	419	450
	46.52	581.71			2040
Paras					
Unit 2	1.07	12.86	49	41	48
Unit 3	4.38	66.90	200	90	200
	5.45	79.75			248
Khaparkheda					
Unit 1	0.00	22.60	0	0	0
Unit 2	4.62	59.52	200	185	190
Unit 3	4.96	63.68	214	202	210
Unit 4	4.86	62.03	214	187	210
	14.45	207.82			610
Nasik					
Unit 1	2.17	23.37	93	84	100
Unit 2	2.28	28.88	102	90	100
Unit 3	4.68	63.15	209	89	200
Unit 4	4.70	61.74	205	175	200
Unit 5	4.56	47.73	201	174	190
	18.40	224.86			790
Uran					
All Units	11.74	179.32	507	481	470
	11.74	179.32			470
Koyna					
Stage 1-2	0.98	23.94	115	30	530
Stage 4	0.29	35.38	193	0	250
Koyna 12&4 Total	1.27	59.32			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.00	11.55	0	0	320
	1.27	70.87			1100
Hydro					
KDPH	0.47	3.74	20	19	18
VTRNA	0.45	1.88	61	0	60
TILLARI	0.37	4.77	60	0	60
BHTGR/VEER	1.92	14.58	80	79	50
BHIRA T.R.	0.31	3.11	82	0	80
RNGR+BHTSA	0.34	4.16	15	13	15
BHANDARDRA	0.00	6.03	0	0	14
ELDARY	0.00	0.71	0	0	0
PAITHAN	0.06	0.68	10	0	10
GHATGHAR	0.46	9.08	125	0	0
	4.37	48.76			307
PENCH (MS)					
Pench (MS)	0.28	4.17	54	0	0
	0.28	4.17			0
Wind					
MalharPeth	0.12	1.39			
Vankuswadi	0.27	3.50			
ATIT	0.06	0.71			
Kale	0.09	1.15			
Satara	0.12	1.47			
Shirala	0.09	1.23			
K Mahankal	0.10	0.85			
Supa	0.13	0.96			
Vita	0.33	6.21			
Dondaicha	1.42	10.82			
Sakri	0.22	1.38			
Nandurbar	0.21	1.27			
Khadakale	0.24	3.35			
Khaparale	0.08	2.21			
	3.47	36.50			
Dabhol					
RGPP L II	29.74	334.07	1260	1224	1140
RGPP L III	0.00	0.00	0	0	0
	29.74	334.07			1140
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	19.68	0	0	0
Trombay 6	10.08	136.85	510	300	500
Trombay 7A	2.62	35.16	128	83	120
Trombay 7B	1.55	20.27	69	58	60
Trombay 8	5.54	71.17	250	150	250
TATA Hydro	6.00	64.94	481	0	447
	25.79	348.06			1377
REL					
1&2	12.72	165.09	533	526	500
	12.72	165.09			500
Cent Sect					
Share					3310
					3310

MS PG CL	Thermal	124.50	1641.51		5339
	Thml+Gas	136.24	1820.83		5809
	Hydro	5.64	119.62		1407
	Total	141.87	1940.46		7216
State Total		213.86	2828.35		13543

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 13/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	5202	146	483	5831	1250	358	2662	2024	-53	-17	9446	707	10153	1477	11630	50.04
2	5082	146	484	5712	1251	280	2662	2269	-53	-13	9499	0	9499	1399	10898	50.07
3	5118	146	483	5747	1247	311	2662	2204	-53	-14	9495	0	9495	1333	10828	50.08
4	5072	146	483	5701	1250	260	2662	2319	-53	-12	9518	0	9518	1300	10818	50.22
5	5030	147	481	5658	1248	222	2661	2580	-53	-14	9694	315	10009	1283	11292	50.22
6	5163	147	481	5791	1247	182	2719	2837	-53	-11	10046	1981	12027	1348	13375	50.07
7	5234	147	485	5866	1246	136	3111	2583	-10	26	9857	2486	12343	1493	13836	49.97
8	5281	154	500	5935	1239	111	3110	2984	-10	26	10295	2662	12957	1638	14595	49.64
9	5230	170	506	5906	1237	69	3151	3057	-60	-26	10243	3069	13312	1849	15161	49.61
10	5200	284	507	5991	1230	54	3398	3172	-309	-271	10186	3160	13346	2114	15460	49.58
11	5226	351	501	6078	1228	49	3652	3371	-482	-441	10312	2973	13285	2290	15575	49.55
12	5263	346	495	6104	1230	55	3687	3450	-536	-500	10349	3204	13553	2335	15888	49.57
13	5271	194	495	5960	1232	68	3658	3599	-512	-480	10379	3096	13475	2288	15763	49.74
14	5196	240	489	5925	1225	116	3592	3577	-512	-479	10364	3099	13463	2154	15617	49.56
15	5216	270	487	5973	1224	127	3571	3583	-512	-479	10428	3256	13684	2167	15851	49.52
16	5212	196	487	5895	1225	130	3570	3587	-512	-477	10383	3172	13555	2196	15751	49.60
17	5252	195	489	5936	1230	136	3571	3675	-512	-480	10550	3140	13690	2170	15860	49.68
18	5236	303	486	6025	1232	122	3587	3865	-512	-481	10816	2806	13622	2148	15770	49.66
19	5262	561	487	6310	1233	121	3337	3978	-446	-413	11283	3316	14599	2202	16801	49.62
20	5260	482	488	6230	1234	113	3460	4043	-446	-415	11225	3485	14710	2215	16925	49.56
21	5235	234	488	5957	1243	109	3226	3962	-352	-299	10990	3181	14171	2082	16253	49.63
22	5232	148	485	5865	1249	104	3220	3375	-352	-296	10304	3199	13503	1917	15420	49.68
23	5099	273	484	5856	1247	109	3044	3085	-352	-295	10002	2770	12772	1713	14485	49.46
24	4923	209	485	5617	1260	128	3038	2795	-352	-290	9510	1858	11368	1546	12914	49.95
MUs	124.50	5.64	11.74	141.87	29.74	3.47	77.01	75.97	-7.10	-6.15	245.17	56.94	302.11	44.66	346.77	49.76

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 13/Jan/2010

Position as on 6.30 Hrs of 14/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
Tata Trombay 5	500	03/01/2010	00:57		Continued.	AOH	01/02/2010
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
Koradi Unit 3	105	09/01/2010	00:17		Continued.	COH.	21/03/2010
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	15/01/2010
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
Uran Unit 5	108	11/01/2010	10:55		Continued.	Flue Gas Leakages	14/01/2010
Koradi Unit 4	115	11/01/2010	12:24	13/01/2010	13:07	Condensor Tube Leakage	
Koradi Unit 7	210	12/01/2010	19:31	13/01/2010	21:51	Furnace Pressure High.	
Koradi Unit 7	210	13/01/2010	21:53		Continued.	Tripped on AC O/V at Excitation Trf.	15/01/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/Jan/2010

Position as on 6.30 Hrs of 14/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		
Akola - Aurangabad - I	13/01/2010	09:58		Continued.	H/T for Normal change over.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - I	12/01/2010	12.56		Continued.	H/T as per PGCIL request.
Kolhapur-Mapusa-II	12/01/2010	22.05	13/01/2010	09:03	H/T for O/V.
Dhule-Sar'Sarovar - II	12/01/2010	22.22		Continued.	H/T for O/V.
Kolhapur-Mapusa Ckt I	13/01/2010	23:33		Continued.	H/T for O/V.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
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
220/132 KV 200 MVA ICT - V at NSK (OCR) New	12/01/2010	00:00	13/01/2010	16:30	New ICT I/S. (load taken).
Vita - Pandharpur	13/01/2010	05:55		Continued.	Dismant line of Tower at Loc. No. 385 and erection of New tower for increase in ground clearance for railway work.
Vita - Karkamb - Lamboti	13/01/2010	06:30		Continued.	Dismant line of Tower at Loc. No.385 and erection of New tower for increase in Ground clearance for railway work.
Khaparkheda-Kawlewada-II	13/01/2010	10:12	13/01/2010	16:27	Quarterly Maintainance Work.
Purti - Bhugaon	13/01/2010	11:08	13/01/2010	19:42	Retrofitting of relays.
Uran - JNPT	13/01/2010	11:58	13/01/2010	18:37	Bay Maint work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Parli-Lonikand - II	13/01/2010	19:04	13/01/2010	19:19	Reactor taken out for oil filtration.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/132 KV 250 MVA ICT at Ambazari	13/01/2010	14:33	13/01/2010	16:49	Attending Oil Leakages of ICT.
220/132 KV 200 MVA ICT - V at NSK (OCR) New	13/01/2010	19:30		Continued.	Y Ph Red Hot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	07/01/2010	18.04		Continued.	Hand Tripped To Control Over Voltage.
Akola - Aurangabad - II	11/01/2010	20.08	13/01/2010	09:56	Over Voltage
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		
220/100KV 200MVA ICT-I at Padgha	11/01/2010	19.41		Continued.	Control cables Burnt in M.B.
Khaperkheda - Ambazari - II	13/01/2010	06:47	13/01/2010	11:54	E/F, R-Ph, A/R, Loc. No. 71 Y-Ph Disc Burst.
Voltage Level : 132KV			Outage Type TRIPPED		
Harangul - Udgir	13/01/2010	02.50	13/01/2010	03.00	Tripped on Dist.Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 14/Jan/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	65
Unit 3	105	0
Unit 4	105	60
Unit 5	200	150
Unit 6	210	150
Unit 7	210	0
	1040	495
Bhusawal		
Unit 1	58	25
Unit 2	210	185
Unit 3	210	180
	478	390
Parli		
Unit 1	30	23
Unit 2	30	23
Unit 3	210	140
Unit 4	210	200
Unit 5	210	175
Unit 6	250	245
	940	806
Chandrapur		
Unit 1	210	150
Unit 2	210	160
Unit 3	210	200
Unit 4	210	160
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	2020
Paras		
Unit 2	55	48
Unit 3	250	100
	305	148
Khaparkheda		
Unit 1	210	0
Unit 2	210	200
Unit 3	210	210
Unit 4	210	200
	840	610
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	480
	852	480
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	320
	1920	1100
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	18
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	60
BHIRA T.R.	80	80
RNGR+BHTSA	20	14
BHANDARDRA	45	15
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	317
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	1150
RGPPPL III	740	
	1700	1150
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	3399
	3143	3399

	17616	13582
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