



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Jan/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 12/Jan/2010 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.307	1517.010	1) Madhya Pradesh	47.449	679.916
2) Hydro	5.673	113.987	2) Gujrat	27.892	244.824
3) Gas	11.755	167.586	3) Goa	-6.256	-77.147
Total MSGENCO	142.735	1798.583	4) TAPS 1&2 (Inj.)	3.662	40.231
B) OTHERS			5) Pench (Excess)	-0.537	-3.897
1) RGPPL Gas	29.206	304.334	# Total Cent. Sector	72.210	883.927
2) Wind Generation	3.367	33.034	F) Other Exchanges		
3) PENCH (MS)	0.537	3.897	1) With TPCL	-6.683	-45.230
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	21.398	263.336	1) MSEDCL Bilateral	7.231	76.961
2) TPCL Hydro	6.456	58.937	Include PX	1.241	4.963
TOTAL TPCL	27.854	322.273	2) MUMBAI Bilateral	6.219	52.192
3) REL Thermal	12.694	152.372	Include PX	3.384	28.305
D) STATE			3) MUMBAI Schedule	7.069	53.042
1) Thermal (A1+C1+C3)	159.399	1932.718	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	12.666	176.821	1) MSEDCL	241.372	2978.545
3) Gas (A3+B1)	40.961	471.920	2) TPCL	30.654	338.335
4) Wind (B2)	3.367	33.034	3) REL	16.597	181.738
TOTAL STATE	216.393	2614.493	TOTAL STATE	288.623	3498.618

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	5231	5267	5187
MSGENCO Hydro	296	505	133
MSGENCO Gas	492	470	507
MSGENCO Total Generation	6019	6242	5827
Central Sector Receipt	3340	3594	2141
RGPPL	1220	1225	1210
WIND	19	517	86
Exchange with TPCL	-499	-446	-23
MSEDCL DEMAND MET	10139	11152	9241
Load Shedding	3151	3369	0
MSEDCL DEMAND (INCL. LS)	13290	14521	9241
TPCL GENERATION	1429	1366	804
REL GENERATION	528	527	530
TPCL+REL DEMAND	2456	2339	1357
STATE DEMAND MET	12595	13491	10598
STATE DEMAND (INCL. LS)	15746	16860	10598
Frequency (Hz)	49.28	49.51	50.06
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3084 MW AT 15.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			45.79 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.42 Hz at 18:04 Hrs	48.9 Hz at 11:14 Hrs	49.68	.45 % 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 12/Jan/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.86	22.66	84	69	70
Unit 2	1.66	19.80	74	60	65
Unit 3	0.00	10.30	0	0	0
Unit 4	0.00	16.60	0	0	0
Unit 5	2.81	44.38	143	80	85
Unit 6	3.32	35.96	157	120	140
Unit 7	2.61	46.91	163	0	145
	12.27	196.61			505
Bhusawal					
Unit 1	1.18	9.32	53	45	50
Unit 2	4.42	36.91	190	176	185
Unit 3	4.31	51.82	187	173	180
	9.91	98.05			415
Parli					
Unit 1	0.56	6.65	24	23	23
Unit 2	0.55	6.56	24	22	23
Unit 3	3.44	30.74	155	129	160
Unit 4	4.58	55.21	208	152	195
Unit 5	4.00	47.10	175	152	170
Unit 6	5.56	66.76	247	114	245
	18.71	213.02			816
Chandrapur					
Unit 1	3.43	40.35	148	135	150
Unit 2	3.77	46.07	170	130	140
Unit 3	4.07	45.55	190	143	200
Unit 4	4.35	39.53	200	147	200
Unit 5	10.32	123.78	455	390	450
Unit 6	10.35	120.07	450	410	450
Unit 7	10.57	119.82	456	425	450
	46.85	535.18			2040
Paras					
Unit 2	1.09	11.78	50	42	46
Unit 3	4.76	62.52	214	185	225
	5.85	74.30			271
Khaparkheda					
Unit 1	0.00	22.60	0	0	0
Unit 2	4.68	54.89	200	190	200
Unit 3	4.98	58.71	214	190	185
Unit 4	5.03	57.17	214	201	205
	14.68	193.37			590
Nasik					
Unit 1	0.50	21.20	88	0	0
Unit 2	2.23	26.60	97	88	95
Unit 3	4.94	58.46	212	199	205
Unit 4	4.74	57.04	206	180	205
Unit 5	4.63	43.16	198	186	185
	17.03	206.46			690
Uran					
All Units	11.76	167.59	510	467	490
	11.76	167.59			490
Koyna					
Stage 1-2	0.96	22.96	70	30	530
Stage 4	0.00	35.09	0	0	250
Koyna 12&4 Total	0.96	58.05			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.00	11.55	0	0	320
	0.96	69.60			1100
Hydro					
KDPH	0.47	3.27	20	19	20
VTRNA	0.52	1.43	61	0	60
TILLARI	0.38	4.40	60	0	60
BHTGR/VEER	1.20	12.66	50	50	49
BHIRA T.R.	0.31	2.80	82	0	80
RNGR+BHTSA	0.36	3.83	15	15	14
BHANDARDRA	0.34	6.03	14	14	14
ELDARY	0.00	0.71	0	0	0
PAITHAN	0.06	0.63	10	0	10
GHATGHAR	1.08	8.62	125	0	0
	4.71	44.39			307
PENCH (MS)					
Pench (MS)	0.54	3.90	54	0	
	0.54	3.90			
Wind					
MalharPeth	0.13	1.27			
Vankuswadi	0.21	3.23			
ATIT	0.08	0.65			
Kale	0.12	1.06			
Satara	0.28	1.35			
Shirala	0.15	1.15			
K Mahankal	0.01	0.74			
Supa	0.07	0.83			
Vita	0.37	5.88			
Dondaicha	1.37	9.40			
Sakri	0.22	1.17			
Nandurbar	0.17	1.06			
Khadakale	0.16	3.12			
Khaparale	0.05	2.13			
	3.37	33.03			
Dabhol					
RGPP L II	29.21	304.33	1233	1197	1140
RGPP L III	0.00	0.00	0	0	
	29.21	304.33			1140
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	19.68	0	0	0
Trombay 6	11.83	126.77	510	425	500
Trombay 7A	2.51	32.54	125	72	120
Trombay 7B	1.52	18.72	69	53	60
Trombay 8	5.54	65.63	250	150	250
TATA Hydro	6.46	58.94	484	0	447
	27.85	322.27			1377
REL					
1&2	12.69	152.37	531	526	500
	12.69	152.37			500
Cent Sect					
Share					3264
					3264

MS PG CL	Thermal	125.31	1517.01		5327
	Thml+Gas	137.06	1684.60		5817
	Hydro	5.67	113.99		1407
	Total	142.74	1798.58		7224
State Total		216.39	2614.49		13505

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/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	5204	128	506	5838	1207	85	2713	2498	-51	-24	9604	0	9604	1488	11092	49.99
2	5179	143	506	5828	1211	93	2738	2664	-51	-22	9774	0	9774	1401	11175	50.06
3	5187	133	507	5827	1210	86	2781	2141	-51	-23	9241	0	9241	1357	10598	50.06
4	5161	133	500	5794	1212	83	2766	2409	-51	-31	9467	0	9467	1332	10799	50.18
5	5146	143	509	5798	1206	95	2641	2436	-51	-41	9494	346	9840	1343	11183	49.92
6	5154	143	504	5801	1200	100	2717	2801	-51	-45	9857	2191	12048	1407	13455	49.65
7	5114	143	504	5761	1198	108	3146	2226	39	36	9329	2742	12071	1593	13664	49.54
8	5265	134	505	5904	1199	58	3156	2900	39	37	10098	2750	12848	1716	14564	49.52
9	5304	158	506	5968	1199	45	3153	2977	39	36	10225	2918	13143	1890	15033	49.52
10	5302	308	502	6112	1197	26	3316	3099	-210	-209	10225	2994	13219	2166	15385	49.54
11	5266	345	510	6121	1223	22	3558	3174	-458	-459	10102	2995	13097	2419	15516	49.48
12	5231	296	492	6019	1220	19	3594	3340	-512	-499	10139	3151	13290	2456	15746	49.28
13	5152	195	492	5839	1228	32	3613	3637	-565	-531	10252	3032	13284	2446	15730	49.55
14	5164	253	491	5908	1227	33	3613	3358	-565	-520	10056	3194	13250	2302	15552	49.56
15	5227	264	486	5977	1226	64	3607	3398	-565	-559	10159	3317	13476	2360	15836	49.54
16	5227	259	472	5958	1227	80	3607	3351	-565	-555	10114	3238	13352	2347	15699	49.60
17	5230	259	468	5957	1230	149	3656	3412	-565	-554	10214	3164	13378	2346	15724	49.70
18	5343	300	469	6112	1232	276	3717	3291	-565	-547	10418	2820	13238	2290	15528	49.71
19	5315	457	470	6242	1232	314	3341	3533	-448	-454	10920	3247	14167	2346	16513	49.68
20	5267	505	470	6242	1225	517	3357	3594	-448	-446	11152	3369	14521	2339	16860	49.51
21	5229	396	470	6095	1218	380	3393	3287	-354	-342	10658	3085	13743	2215	15958	49.57
22	5229	272	467	5968	1222	252	3048	2974	-354	-310	10159	3090	13249	2077	15326	49.64
23	5229	168	472	5869	1224	241	2963	3067	-354	-323	10131	2637	12768	1855	14623	49.64
24	5190	138	477	5805	1233	209	2995	2643	-354	-298	9592	1676	11268	1743	13011	49.83
MUs	125.32	5.67	11.75	142.74	29.21	3.37	77.19	72.21	-7.07	-6.68	241.38	55.96	297.34	47.23	344.57	49.68

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 12/Jan/2010

Position as on 6.30 Hrs of 13/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
Khaparkhedda 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
Nasik Unit 1	125	10/01/2010	23.15	12/01/2010	17.25	H.P.Heater line leakage	
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 12/Jan/2010

Position as on 6.30 Hrs of 13/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised 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 - II	16/12/2009	13:00	12/01/2010	12.52	H/T.
Kolhapur-Mapusa Ckt I	12/01/2010	00.38	12/01/2010	08.06	H/T for over voltage
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
Karad-Kolhapur CKT I	12/01/2010	17.40	12/01/2010	19.28	To attend Red Hot Spot on Y-phase BUS-II Isolator base
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).
KDPH-Wankuswadi	12/01/2010	09.36	12/01/2010	17.35	Isolator Alignment and Overhauling & Hot Spot attending work(line on TBC).
Kharghar - Panvel	12/01/2010	09.40	12/01/2010	19.48	R.M.Work
Wankuswade-Satara-II	12/01/2010	10.00	12/01/2010	18.05	Isolator Overhauling work.
M'Peth -Vankuswade	12/01/2010	10.08	12/01/2010	18.30	Q.M.Work
Karad-Vita-II	12/01/2010	10.56	12/01/2010	16.43	T Jump connection bet.29A & 29B Isolator.
100 MVA T/F I at Tambati	12/01/2010	11.05	12/01/2010	16.12	Ten Delta Measurement.
Miraj-Vita	12/01/2010	11.15	12/01/2010	13.50	Replacement of CT & other work.
Karad - Ogalewadi - II	12/01/2010	13:12	12/01/2010	15:27	Q.M. Work.
Miraj-Maisal	12/01/2010	14.12	12/01/2010	18.35	Q.M.Work
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 Maintenance 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 : 132KV			Outage Type PLANNED OUTAGE		
Boisar-MIDC	12/01/2010	11.05	12/01/2010	16.16	Insulator replacement by Hot line.
Voltage Level : 110KV			Outage Type PLANNED OUTAGE		
Miraj-Kavathemahakal	12/01/2010	07.35	12/01/2010	17.30	Cold washing of Insulators.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Jan/2010

Position as on 6.30 Hrs of 13/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of 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		
Mudshingi - Chikodi	11/01/2010	18.07	12/01/2010	14.20	At Loc.No.16 to 19 Earthwire snapped
Mudshingi-Talangade ckt-I	11/01/2010	18.17	12/01/2010	17.20	Y phase Decapping of Loc.No.17
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		
Chalishaon-Pimperkhed	11/01/2010	22.36	12/01/2010	14:10	R phase L.A.Burst
Akola-Akola MIDC	12/01/2010	18.05	12/01/2010	19.44	Tripped on Dist. Protection R-Ph to Earth
Akola - Durugwada	12/01/2010	18:05	12/01/2010	19:25	Dist. Protection R-Ph to Earth.
NANDED-ILCHPUR	12/01/2010	19.45	12/01/2010	20.15	Back-up prot.R & B Ph O/C.
Parbhani-Pathari	12/01/2010	21.44	12/01/2010	21.59	Tripped on Dist.Protection.
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 13/Jan/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	70
Unit 3	105	0
Unit 4	105	0
Unit 5	200	150
Unit 6	210	130
Unit 7	210	0
	1040	430
Bhusawal		
Unit 1	58	50
Unit 2	210	185
Unit 3	210	180
	478	415
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	180
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	2040
Paras		
Unit 2	55	48
Unit 3	250	200
	305	248
Khaparkheda		
Unit 1	210	0
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	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	470
	852	470
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	50
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	14
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	307
PENCH (MS)		
Pench (MS)	53	0
	53	0
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	1140
RGPPPL III	740	0
	1700	1140
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	3310
	3143	3310