



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

State Load Dispatch Center, Airoli

Daily system Report

for

10/Feb/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 10/Feb/2010 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.285	1222.378	1) Madhya Pradesh	69.829	638.338
2) Hydro	8.385	78.081	2) Gujrat	19.071	247.033
3) Gas	12.820	118.343	3) Goa	-6.538	-62.525
Total MSGENCO	143.490	1418.802	4) TAPS 1&2 (Inj.)	6.461	66.710
B) OTHERS			5) Pench (Excess)	-0.056	-2.157
1) RGPPL Gas	30.540	303.582	# Total Cent. Sector	88.767	887.399
2) Wind Generation	2.069	23.105	F) Other Exchanges		
3) PENCH (MS)	0.056	2.157	1) With TPCL	-3.108	-44.910
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	25.866	233.123	1) MSEDCL Bilateral	5.925	58.901
2) TPCL Hydro	5.241	53.481	Include PX	0.000	1.247
TOTAL TPCL	31.107	286.604	2) MUMBAI Bilateral	4.075	44.784
3) REL Thermal	12.647	125.939	Include PX	2.457	29.388
D) STATE			3) MUMBAI Schedule	4.075	49.827
1) Thermal (A1+C1+C3)	160.798	1581.440	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	13.682	133.719	1) MSEDCL	261.814	2590.135
3) Gas (A3+B1)	43.360	421.925	2) TPCL	30.615	299.043
4) Wind (B2)	2.069	23.105	3) REL	16.247	158.309
TOTAL STATE	219.909	2160.189	TOTAL STATE	308.676	3047.487

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	5043	5117	5001
MSGENCO Hydro	609	619	203
MSGENCO Gas	541	543	523
MSGENCO Total Generation	6193	6279	5727
Central Sector Receipt	3871	4312	3001
RGPPL	1268	1270	1280
WIND	52	84	127
Exchange with TPCL	-262	-249	-4
MSEDCL DEMAND MET	11122	11722	10131
Load Shedding	3663	3893	2033
MSEDCL DEMAND (INCL. LS)	14785	15615	12164
TPCL GENERATION	1687	1598	832
REL GENERATION	528	525	530
TPCL+REL DEMAND	2477	2372	1366
STATE DEMAND MET	13599	14094	11497
STATE DEMAND (INCL. LS)	17262	17987	13530
Frequency (Hz)	49.93	49.86	50.05
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4575 MW At 09.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			92.44 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.49 Hz at 05.05 Hrs	49.26 Hz at 09.18 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 10/Feb/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.80	19.30	83	68	80
Unit 2	1.57	13.77	70	54	70
Unit 3	0.00	0.00	0	0	0
Unit 4	1.63	9.52	79	48	80
Unit 5	3.84	34.93	169	150	160
Unit 6	3.94	37.92	176	154	170
Unit 7	4.68	43.35	206	177	190
	17.46	158.78			750
Bhusawal					
Unit 1	1.20	10.74	50	50	50
Unit 2	4.48	44.79	195	175	195
Unit 3	4.48	45.64	194	181	195
	10.16	101.18			440
Parli					
Unit 1	0.55	5.61	24	22	23
Unit 2	0.53	5.37	24	20	23
Unit 3	3.70	37.86	169	140	160
Unit 4	4.64	40.67	203	169	200
Unit 5	0.00	0.00	0	0	0
Unit 6	6.02	61.59	254	244	250
	15.44	151.11			656
Chandrapur					
Unit 1	3.54	34.97	150	144	150
Unit 2	3.55	38.03	157	128	160
Unit 3	4.34	42.65	199	155	210
Unit 4	4.86	45.57	207	199	210
Unit 5	10.24	99.41	475	389	450
Unit 6	9.51	90.64	415	375	450
Unit 7	10.72	103.17	458	437	450
	46.77	454.44			2080
Paras					
Unit 2	1.04	10.85	46	42	46
Unit 3	4.60	43.93	214	179	210
	5.64	54.79			256
Khaparkheda					
Unit 1	0.00	0.00	0	0	0
Unit 2	4.50	45.62	195	174	190
Unit 3	5.10	48.91	215	202	210
Unit 4	3.97	42.63	214	0	100
	13.57	137.16			500
Nasik					
Unit 1	2.19	17.12	100	62	95
Unit 2	0.00	15.31	0	0	0
Unit 3	4.42	40.75	200	175	195
Unit 4	1.90	44.33	199	0	200
Unit 5	4.73	47.41	209	180	200
	13.25	164.93			690
Uran					
All Units	12.82	118.34	544	522	510
	12.82	118.34			510
Koyna					
Stage 1-2	1.06	14.78	145	25	600
Stage 4	0.41	12.65	238	0	250
Kovna 12&4 Total	1.47	27.44			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.74	5.92	160	0	240
	2.21	33.36			1090
Hydro					
KDPH	0.92	1.50	39	38	36
VTRNA	0.00	3.64	0	0	0
TILLARI	0.36	3.62	59	0	60
BHTGR/VEER	1.97	17.22	82	82	80
BHIRA T.R.	0.29	2.80	80	0	75
RNGR+BHTSA	0.29	2.90	13	11	12
BHANDARDRA	0.77	1.97	32	32	22
ELDARY	0.00	1.27	0	0	0
PAITHAN	0.06	0.54	10	0	10
GHATGHAR	1.52	9.26	125	0	0
	6.17	44.72			295
PENCH (MS)					
Pench (MS)	0.06	2.16	26	0	
	0.06	2.16			
Wind					
MalharPeth	0.05	0.83			
Vankuswadi	0.15	2.39			
ATIT	0.03	0.85			
Kale	0.07	0.67			
Satara	0.18	1.07			
Shirala	0.05	0.77			
K Mahankal	0.01	0.31			
Supa	0.04	0.56			
Vita	0.71	4.47			
Dondaicha	0.46	7.15			
Sakri	0.10	1.14			
Nandurbar	0.09	1.00			
Khadakale	0.13	1.02			
Khaparale	0.00	0.88			
	2.07	23.10			
Dabhol					
RGPP L II	30.54	303.58	1284	1261	1211
RGPP L III	0.00	0.00	0	0	
	30.54	303.58			1211
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	8.14	30.44	450	240	500
Trombay 6	8.87	110.01	510	200	500
Trombay 7A	2.25	24.21	126	71	120
Trombay 7B	1.41	14.82	69	53	60
Trombay 8	5.20	53.64	250	150	250
TATA Hydro	5.24	53.48	481	0	447
	31.11	286.60			1877
REL					
1&2	12.65	125.94	531	506	500
	12.65	125.94			500
Cent Sect					
Share					3047
					3047

MS PG CL	Thermal	122.28	1222.38		5372
	Thml+Gas	135.10	1340.72		5882
	Hydro	8.38	78.08		1385
	Total	143.49	1418.80		7267
State Total		219.91	2160.19		13902

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 10/Feb/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	4981	203	523	5707	1277	110	2596	3215	-39	-15	10294	2123	12417	1561	13978	50.00
2	4996	203	523	5722	1281	124	2600	3240	-39	-13	10354	2161	12515	1426	13941	50.13
3	5001	203	523	5727	1280	127	2600	3001	-39	-4	10131	2033	12164	1366	13530	50.05
4	4996	203	523	5722	1284	123	2600	2963	-39	-7	10085	2411	12496	1321	13817	50.17
5	5059	208	523	5790	1282	125	2600	2986	-39	-5	10178	2528	12706	1328	14034	50.10
6	5178	238	523	5939	1276	130	2593	3309	-39	-6	10648	2851	13499	1418	14917	49.86
7	5293	208	523	6024	1279	142	2816	2979	51	70	10494	3830	14324	1549	15873	49.96
8	5317	203	523	6043	1278	123	2814	3251	51	67	10762	4094	14856	1737	16593	49.77
9	5336	218	522	6076	1279	117	2814	3272	46	65	10809	4107	14916	1886	16802	49.84
10	5252	589	544	6385	1271	111	3106	3429	-242	-204	10992	3932	14924	2265	17189	49.67
11	5081	859	543	6483	1272	66	3239	3627	-242	-202	11246	3545	14791	2425	17216	49.89
12	5043	609	541	6193	1268	52	3289	3871	-296	-262	11122	3663	14785	2477	17262	49.93
13	5012	460	534	6006	1265	24	3235	4013	-296	-259	11049	3677	14726	2356	17082	49.90
14	4962	330	540	5832	1269	20	3280	4152	-296	-256	11017	3624	14641	2290	16931	50.05
15	5015	315	535	5865	1261	30	3291	4023	-296	-255	10924	3726	14650	2282	16932	49.88
16	5035	330	539	5904	1263	33	3291	4280	-296	-250	11230	3552	14782	2278	17060	49.97
17	5042	325	543	5910	1267	77	3291	4301	-296	-246	11309	3549	14858	2313	17171	50.09
18	5069	336	542	5947	1268	92	3327	4457	-296	-242	11522	3216	14738	2240	16978	49.98
19	5117	433	542	6092	1268	63	3092	4320	-299	-242	11514	3723	15237	2362	17599	49.93
20	5117	619	543	6279	1270	84	3107	4312	-299	-249	11722	3893	15615	2372	17987	49.86
21	5094	559	542	6195	1270	101	3017	4237	-204	-142	11678	3597	15275	2205	17480	49.92
22	5105	338	542	5985	1271	83	3025	4039	-204	-143	11235	3614	14849	2092	16941	50.04
23	5101	197	542	5840	1267	55	2755	3868	-237	-178	10852	3210	14062	1704	15766	49.84
24	5083	199	542	5824	1274	57	2700	3622	-192	-130	10647	1698	12345	1609	13954	50.04
MUs	122.28	8.38	12.82	143.49	30.54	2.07	71.08	88.77	-4.07	-3.11	261.81	78.36	340.17	46.86	387.03	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 10/Feb/2010

Position as on 6.30 Hrs of 11/Feb/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
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
Uran Unit 6	108	20/01/2010	01:22		Continued.	Major Overhauling work.	05/03/2010
Koyna Unit 9	80	20/01/2010	11:00		Continued.	AOH.	19/02/2010
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
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Tata Trombay 4	150	01/12/2009	19:16		Continued.	W/Dn.	
Dabhol 1B	230	30/01/2010	01.45		Continued.	Turbine temp.high	12/02/2010
Parli Unit 5	210	30/01/2010	17.34		Continued.	Hydrogen Leakage	14/02/2010
Cent_Sect TARAPUR-3	540	08/02/2010	01.47		Continued.	Tripped.	13/02/2010
Nasik Unit 2	125	08/02/2010	10.55		Continued.	Boiler Tube Leakage.	12/02/2010
Koyna Unit 7	80	10/02/2010	08.10		Continued.	Pressure Shaft work(For 15 Days)	
Koyna Unit 8	80	10/02/2010	08.25		Continued.	Needle valve work (For 15 Days)	
Nasik Unit 4	210	10/02/2010	09.40		Continued.	Boiler Tube Leakage	12/02/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Feb/2010

Position as on 6.30 Hrs of 11/Feb/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-S'Sarovar I	30/01/2010	16.23		Continued.	Hand Tripped For Over Voltage.
Akola - Wardha - II	05/02/2010	09.22		Continued.	H/T.
Voltage Level : 400KV			Outage Type TRIPPED		
Akola - Aurangabad - I	06/02/2010	10.15		Continued.	R Ph.of breaker caught fire.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 315MVA ICT-I at Kharghar	04/02/2010	12.18		Continued.	Taken on TBC.
New Koyna - Dabhol - II	10/02/2010	09.21	10/02/2010	20.05	Replacement of Isolator
Main Bus-II at New Koyna	10/02/2010	09.30	10/02/2010	19:32	Stringing work
400/220 KV 315 MVA ICT - II @ Koradi.	10/02/2010	09.31	10/02/2010	19.30	Q.M. work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Aurangabad - Padegaon - I.	27/01/2010	16:35		Continued.	BKR. Replacement work, ckt on TBC. (15 days)
Trombay-Kalwa	08/02/2010	11.00	10/02/2010	05.38	C R Pannel Replacement.
TBC at Kalwa.	08/02/2010	11.35		Continued.	Replacement of 29 C Isolator.
Bus Coupler Bay @ Karad	08/02/2010	12.02		Continued.	Isolator and Breaker Replacement.
Halkarni-Tillary	10/02/2010	08.35	10/02/2010	16.57	Insulator replacement
Khaperkheda - Wardha.	10/02/2010	09.09	10/02/2010	14.05	Q.M.Work
Bus Coupler at Chalisgaon	10/02/2010	09.20	10/02/2010	20.40	CT replacement
Bus coupler at Bableshwar	10/02/2010	09.36	10/02/2010	11.17	Q.M. Work
New Koyna - Pawas	10/02/2010	10.01	10/02/2010	16.21	Insulator washing
Gadchandur-Virur-II	10/02/2010	10.20	10/02/2010	19.02	Q.M.Work
220/132 Kv200 MVA ICT at Kalmeshwar	10/02/2010	10.34	10/02/2010	15.56	Attending oil leakages of ICT
Apta-Uran-IV	10/02/2010	11.24	10/02/2010	13.09	Line Isolator replacement at Uran
Chinchwad - Telco	10/02/2010	13.18	10/02/2010	19.52	Testing work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	08/02/2010	18:00	10/02/2010	09.43	H/T from both end.
Bhusawal- Aurangabad	10/02/2010	18.01		Continued.	H/T from both end
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Karad-Wathar	10/02/2010	05.15		Continued.	Breaker Air Leakage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/33KV, 25MVA T/F at Gadchandur	26/01/2010	09:50		Continued.	Buccholtz Trip.
Voltage Level : 132KV			Outage Type TRIPPED		
132/33 KV,25 MVA T/F-I at Katol	23/01/2010	10.44		Continued.	Differential protection operated.
Bhusawal - Muktainagar	10/02/2010	15.09	10/02/2010	18.34	Over Voltage
null					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400KV TBC at Aurangabad	10/02/2010	14.15	10/02/2010	16.49	CRM of Breaker

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 11/Feb/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	70
Unit 3	105	0
Unit 4	105	60
Unit 5	200	160
Unit 6	210	160
Unit 7	210	200
	1040	730
Bhusawal		
Unit 1	58	50
Unit 2	210	195
Unit 3	210	195
	478	440
Parli		
Unit 1	30	23
Unit 2	30	23
Unit 3	210	160
Unit 4	210	200
Unit 5	210	0
Unit 6	250	250
	940	656
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	210
Unit 4	210	210
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	2080
Paras		
Unit 2	55	46
Unit 3	250	210
	305	256
Khaparkheda		
Unit 1	210	0
Unit 2	210	175
Unit 3	210	200
Unit 4	210	205
	840	580
Nasik		
Unit 1	120	95
Unit 2	120	0
Unit 3	210	170
Unit 4	210	0
Unit 5	210	200
	870	465
Uran		
All Units	852	495
	852	495
Koyna		
Stage 1-2	600	440
Stage 4	1000	250
Stage 3	320	240
	1920	930
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	36
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	74
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	32
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	295
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	1260
RGPPPL III	740	
	1700	1260
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3192
	3143	3192

	17616	13756
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