



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Feb/2010

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.735	1465.034	1) Madhya Pradesh	63.513	770.744
2) Hydro	5.825	90.165	2) Gujrat	18.855	287.325
3) Gas	12.921	144.305	3) Goa	-6.360	-75.419
Total MSGENCO	141.481	1699.504	4) TAPS 1&2 (Inj.)	7.333	81.245
B) OTHERS			5) Pench (Excess)	-0.061	-2.239
1) RGPPL Gas	34.840	368.929	# Total Cent. Sector	83.280	1061.656
2) Wind Generation	2.504	28.645	F) Other Exchanges		
3) PENCH (MS)	0.061	2.239	1) With TPCL	-2.620	-50.645
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	25.214	283.274	1) MSEDCL Bilateral	5.925	70.751
2) TPCL Hydro	2.718	61.380	Include PX	0.000	1.247
TOTAL TPCL	27.932	344.654	2) MUMBAI Bilateral	3.630	52.579
3) REL Thermal	12.730	151.380	Include PX	1.937	33.782
D) STATE			3) MUMBAI Schedule	3.630	57.621
1) Thermal (A1+C1+C3)	160.679	1899.688	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	8.604	153.784	1) MSEDCL	259.546	3110.328
3) Gas (A3+B1)	47.761	513.234	2) TPCL	28.103	357.358
4) Wind (B2)	2.504	28.645	3) REL	15.177	189.217
TOTAL STATE	219.548	2595.351	TOTAL STATE	302.826	3656.903

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	5335	4987	5030
MSGENCO Hydro	375	350	196
MSGENCO Gas	538	538	538
MSGENCO Total Generation	6248	5875	5764
Central Sector Receipt	3318	4052	2919
RGPPL	1575	1590	1296
WIND	29	101	173
Exchange with TPCL	-206	-207	9
MSEDCL DEMAND MET	10964	11411	10161
Load Shedding	3378	3807	0
MSEDCL DEMAND (INCL. LS)	14342	15218	10161
TPCL GENERATION	1496	1397	801
REL GENERATION	529	530	532
TPCL+REL DEMAND	2231	2134	1324
STATE DEMAND MET	13195	13545	11485
STATE DEMAND (INCL. LS)	16573	17352	11485
Frequency (Hz)	49.88	49.85	50.03
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3944 MW at 19.00Hrs.
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			65.84 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.45 Hz at 05.05 Hrs	49.38 Hz at 08.40 Hrs	49.93	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 12/Feb/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.87	22.95	85	69	80
Unit 2	1.60	16.97	72	63	60
Unit 3	0.00	0.00	0	0	0
Unit 4	1.63	12.77	76	58	60
Unit 5	3.67	42.20	165	130	140
Unit 6	3.88	45.50	179	150	160
Unit 7	4.36	52.03	206	156	160
	17.01	192.41			660
Bhusawal					
Unit 1	1.18	13.13	50	45	50
Unit 2	4.59	54.02	198	186	195
Unit 3	4.56	54.74	195	185	195
	10.33	121.89			440
Parli					
Unit 1	0.55	6.72	26	20	23
Unit 2	0.52	6.41	24	20	23
Unit 3	2.72	44.49	169	0	160
Unit 4	4.53	49.83	208	179	200
Unit 5	0.00	0.00	0	0	0
Unit 6	5.84	73.33	252	219	250
	14.15	180.77			656
Chandrapur					
Unit 1	3.37	41.81	148	131	150
Unit 2	3.27	44.89	148	110	160
Unit 3	3.66	50.39	195	98	210
Unit 4	4.26	54.55	200	139	210
Unit 5	9.78	118.78	455	340	400
Unit 6	7.91	107.95	400	0	400
Unit 7	10.33	123.77	449	386	425
	42.57	542.15			1955
Paras					
Unit 2	1.00	12.92	46	24	46
Unit 3	4.57	52.84	202	183	200
	5.57	65.76			246
Khaparkheda					
Unit 1	4.01	5.41	185	109	150
Unit 2	4.30	54.14	186	174	190
Unit 3	4.58	58.24	201	176	180
Unit 4	5.09	52.79	215	206	210
	17.97	170.58			730
Nasik					
Unit 1	2.17	21.62	101	48	95
Unit 2	1.97	17.43	100	55	60
Unit 3	3.84	48.70	178	92	170
Unit 4	2.39	46.72	194	0	0
Unit 5	4.76	57.02	209	186	200
	15.12	191.48			525
Uran					
All Units	12.92	144.30	540	537	495
	12.92	144.30			495
Koyna					
Stage 1-2	0.84	16.40	45	30	440
Stage 4	0.03	12.68	31	0	250
Kovna 12&4 Total	0.87	29.08			690

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.00	6.33	0	0	240
	0.87	35.42			930
Hydro					
KDPH	0.91	3.32	39	38	36
VTRNA	0.00	3.64	0	0	0
TILLARI	0.36	4.36	59	0	60
BHTGR/VEER	1.97	21.16	82	82	82
BHIRA T.R.	0.25	3.31	82	0	80
RNGR+BHTSA	0.28	3.47	12	11	13
BHANDARDRA	0.73	3.47	31	30	32
ELDARY	0.00	1.27	0	0	0
PAITHAN	0.06	0.65	10	0	10
GHATGHAR	0.40	10.11	120	0	0
	4.95	54.75			313
PENCH (MS)					
Pench (MS)	0.06	2.24	34	0	
	0.06	2.24			
Wind					
MalharPeth	0.09	0.97			
Vankuswadi	0.18	2.80			
ATIT	0.05	0.95			
Kale	0.06	0.82			
Satara	0.08	1.32			
Shirala	0.08	0.92			
K Mahankal	0.01	0.34			
Supa	0.03	0.64			
Vita	0.23	5.16			
Dondaicha	1.13	9.22			
Sakri	0.19	1.49			
Nandurbar	0.23	1.37			
Khadakale	0.05	1.49			
Khaparale	0.11	1.16			
	2.50	28.64			
Dabhol					
RGPP L II	34.84	368.93	1595	1270	1297
RGPP L III	0.00	0.00	0	0	
	34.84	368.93			1297
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	8.64	47.54	450	270	500
Trombay 6	7.68	125.04	460	150	500
Trombay 7A	2.37	29.12	128	88	120
Trombay 7B	1.44	17.75	68	57	60
Trombay 8	5.08	63.83	250	150	250
TATA Hydro	2.72	61.38	420	0	447
	27.93	344.65			1877
REL					
1&2	12.73	151.38	533	527	500
	12.73	151.38			500
Cent Sect					
Share					3215
					3215

MS PG CL	Thermal	122.74	1465.03		5212
	Thml+Gas	135.66	1609.34		5707
	Hydro	5.82	90.16		1243
	Total	141.48	1699.50		6950
State Total		219.55	2595.35		13839

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/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	4961	192	538	5691	1290	224	2626	3080	-39	2	10287	0	10287	1538	11825	50.13
2	5033	197	538	5768	1309	236	2626	3000	-39	7	10320	0	10320	1402	11722	50.11
3	5030	196	538	5764	1296	173	2626	2919	-39	9	10161	0	10161	1324	11485	50.03
4	4948	191	540	5679	1290	140	2626	3141	-39	5	10255	0	10255	1293	11548	50.06
5	5039	196	540	5775	1310	150	2626	3280	-39	-2	10513	0	10513	1297	11810	49.94
6	5028	191	538	5757	1360	96	2615	3723	-39	4	10940	2162	13102	1360	14462	49.98
7	5125	196	540	5861	1270	109	2838	3578	51	90	10908	2640	13548	1441	14989	49.84
8	5180	198	539	5917	1270	128	2838	3302	51	90	10707	3322	14029	1538	15567	49.74
9	5287	253	538	6078	1275	89	2838	3059	45	86	10587	3320	13907	1707	15614	49.66
10	5307	458	539	6304	1303	48	3083	3137	-196	-144	10648	3263	13911	2079	15990	49.69
11	5322	446	539	6307	1365	33	3234	3569	-196	-140	11134	3014	14148	2184	16332	49.76
12	5335	375	538	6248	1575	29	3283	3318	-249	-206	10964	3378	14342	2231	16573	49.88
13	5350	198	538	6086	1585	46	3297	3506	-249	-224	10999	3073	14072	2139	16211	49.90
14	5296	203	538	6037	1575	59	3297	3360	-249	-216	10815	2953	13768	2041	15809	50.08
15	5253	193	537	5983	1570	79	3297	3458	-249	-224	10866	3064	13930	2038	15968	49.97
16	5111	239	537	5887	1562	82	3291	3714	-249	-232	11013	2855	13868	2040	15908	49.92
17	4657	208	539	5404	1555	82	3295	4310	-249	-196	11155	2943	14098	2040	16138	49.94
18	4686	200	538	5424	1585	101	3299	4248	-249	-231	11127	2767	13894	2006	15900	49.96
19	4810	272	538	5620	1595	88	3047	4147	-252	-232	11218	3504	14722	2046	16768	50.01
20	4987	350	538	5875	1590	101	3100	4052	-252	-207	11411	3807	15218	2134	17352	49.85
21	5202	290	538	6030	1590	146	3036	3692	-205	-144	11341	3542	14883	2060	16943	49.83
22	5266	196	539	6001	1575	129	3097	3261	-265	-206	10794	3561	14355	1933	16288	50.08
23	5258	191	538	5987	1570	81	2997	3168	-238	-183	10623	3360	13983	1759	15742	49.89
24	5260	196	538	5994	1575	55	2671	2937	-193	-126	10435	2148	12583	1652	14235	50.02
MUs	122.73	5.82	12.92	141.48	34.84	2.50	71.58	82.96	-3.63	-2.62	259.22	58.68	317.90	43.28	361.18	49.93

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/Feb/2010

Position as on 6.30 Hrs of 13/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
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
Koyna Unit 7	80	10/02/2010	08.10		Continued.	Pressure Shaft work(For 15 Days)	25/02/2010
Koyna Unit 8	80	10/02/2010	08.25		Continued.	Needle valve work (For 15 Days)	25/02/2010
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.	
Nasik Unit 4	210	10/02/2010	09.40	12/02/2010	08.15	Boiler Tube Leakage	
Dabhol 1B	230	12/02/2010	05.40	12/02/2010	08.30	Tripped	
Parli Unit 3	210	12/02/2010	13.50	12/02/2010	19.31	CT Clamp HOt Spot.	
Chandrapur Unit 6	500	12/02/2010	15.45	12/02/2010	17.45	Flame failure.	

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

Position as on 6.30 Hrs of 13/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 to control Akola Bus Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Akola - Aurangabad - I	06/02/2010	10.15		Continued.	R Ph.of breaker caught fire Bus Bar Protection Operated.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 315MVA ICT-I at Kharghar	04/02/2010	12.18		Continued.	Taken on TBC.
400/220 KV,600 MVA ICT-I @ Kalwa	11/02/2010	08.35		Continued.	Replacement of 29C isolator.
400/11.5KV,90MVA STN T/F V At 400 KV C'pur	11/02/2010	10.55	12/02/2010	17.10	Measurement of tan delta of CT.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Aurangabad - Padegaon - I.	27/01/2010	16:35		Continued.	BKR. Replacement work, ckt on TBC. (15 days)
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.
220 KV Jejuri Bus. I	11/02/2010	13.30		Continued.	Outage.
Kandalgaon-Lonand	12/02/2010	08.10	12/02/2010	17.52	E/W Stringing.
Boiser PGCIL-Boiser II	12/02/2010	08.16	12/02/2010	15.08	Tandelta measurement.
Main Bus I at Kharghar	12/02/2010	09.50	12/02/2010	19.44	Replacement of PT Isolator.
220/132 KV 50MVA T/F at Chitegaon	12/02/2010	11.00	12/02/2010	14.45	Attending oil leakage of R-Ph of 33KV CT.
220/132 KV 150MVA ICT at Bhandara	12/02/2010	11.33	12/02/2010	13.50	Replacement of N.R.V.and maintenance.
Mahape-Tifil	12/02/2010	11.37	12/02/2010	18.54	Testing Work.
Bus Section I at Wada	12/02/2010	12.05	12/02/2010	15.46	Jumpering of main Bus to isolator for T/F 4.
250MVA 15.75/220KV GT III at Parly-I	12/02/2010	13.50	12/02/2010	15.30	To attend Red Hot spot B-Ph CT clamp.
New parly-Nanded	12/02/2010	14.21	12/02/2010	16.43	Retrofitting of Dist,Relay.
K'gaon-Lonand	13/02/2010	09.00	13/02/2010	17.34	Earth wire stringing work.
Babaleshwar - Chalisgaon	13/02/2010	09.10	13/02/2010	17.48	Breaker replacement wpork
New parly-Nanded	13/02/2010	15.37	13/02/2010	17.14	Relay Retrofitting work.
BBLSR-Chalisgaon	13/02/2010	17.45		Continued.	Main C.B.replacement work,Ckt charged on TBC.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Chalisgaon - Manmad - I	12/02/2010	09.30		Continued.	Breaker replacement.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Murud-Bale	08/02/2010	20.40		Continued.	Due to isolator problem,taken on TBC.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	11/02/2010	18.28		Continued.	H/T for O/V.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Kharghar-Nerul	12/02/2010	09.49	12/02/2010	10.05	Isolator work.
Voltage Level : 220KV			Outage Type TRIPPED		
220/33KV, 25MVA T/F at	26/01/2010	09:50		Continued.	Buccholtz Trip.

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

Position as on 6.30 Hrs of 13/Feb/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Gadchandur					
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.
Amravati - Achalpur	13/02/2010	11.58	13/02/2010	16.12	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/Feb/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	60
Unit 3	105	0
Unit 4	105	70
Unit 5	200	140
Unit 6	210	160
Unit 7	210	180
	1040	680
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	150
Unit 2	210	160
Unit 3	210	180
Unit 4	210	210
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	2050
Paras		
Unit 2	55	30
Unit 3	250	200
	305	230
Khaparkheda		
Unit 1	210	190
Unit 2	210	190
Unit 3	210	180
Unit 4	210	210
	840	770
Nasik		
Unit 1	120	95
Unit 2	120	95
Unit 3	210	170
Unit 4	210	195
Unit 5	210	182
	870	737
Uran		
All Units	852	520
	852	520
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	80
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	31
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	312
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	1600
RGPL III	740	
	1700	1600
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	3049
	3143	3049