



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Feb/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Feb/2010 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	129.147	1851.900	1) Madhya Pradesh	57.451	956.608
2) Hydro	7.333	110.834	2) Gujrat	14.280	327.184
3) Gas	12.338	179.782	3) Goa	-6.237	-93.744
Total MSGENCO	148.818	2142.516	4) TAPS 1&2 (Inj.)	7.317	103.241
B) OTHERS			5) Pench (Excess)	-0.397	-3.146
1) RGPPL Gas	38.090	483.216	# Total Cent. Sector	72.414	1290.143
2) Wind Generation	3.228	36.026	F) Other Exchanges		
3) PENCH (MS)	0.397	3.146	1) With TPCL	-2.442	-54.546
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	24.505	355.677	1) MSEDCL Bilateral	5.907	88.218
2) TPCL Hydro	4.812	70.342	Include PX	0.000	1.247
TOTAL TPCL	29.317	426.019	2) MUMBAI Bilateral	3.799	60.050
3) REL Thermal	12.755	189.501	Include PX	1.927	37.788
D) STATE			3) MUMBAI Schedule	3.799	65.093
1) Thermal (A1+C1+C3)	166.407	2397.078	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	12.542	184.322	1) MSEDCL	260.505	3900.501
3) Gas (A3+B1)	50.428	662.998	2) TPCL	29.063	436.946
4) Wind (B2)	3.228	36.026	3) REL	15.449	233.012
TOTAL STATE	232.605	3280.424	TOTAL STATE	305.017	4570.459

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	5354	5380	5350
MSGENCO Hydro	460	893	146
MSGENCO Gas	532	564	414
MSGENCO Total Generation	6346	6837	5910
Central Sector Receipt	3165	3143	2451
RGPPL	1586	1570	1607
WIND	80	178	166
Exchange with TPCL	-186	-235	8
MSEDCL DEMAND MET	11044	11513	10142
Load Shedding	3507	3640	0
MSEDCL DEMAND (INCL. LS)	14551	15153	10142
TPCL GENERATION	1636	1480	721
REL GENERATION	530	531	534
TPCL+REL DEMAND	2352	2246	1247
STATE DEMAND MET	13396	13759	11389
STATE DEMAND (INCL. LS)	16903	17399	11389
Frequency (Hz)	49.79	49.98	50.00
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3687 MW At 15.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			56.26 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.48 Hz at 18.01 Hrs	49.24 Hz at 09.23 Hrs	49.84	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 15/Feb/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.69	28.38	83	57	75
Unit 2	1.58	21.78	69	62	65
Unit 3	0.00	0.00	0	0	0
Unit 4	1.62	18.07	78	33	70
Unit 5	3.77	53.08	166	140	150
Unit 6	3.77	56.88	165	145	160
Unit 7	4.34	65.28	193	170	175
	16.77	243.47			695
Bhusawal					
Unit 1	1.20	16.67	50	50	50
Unit 2	4.64	67.73	200	189	195
Unit 3	4.62	68.39	195	190	195
	10.46	152.79			440
Parli					
Unit 1	0.56	8.46	25	21	23
Unit 2	0.56	8.10	25	23	23
Unit 3	3.78	55.60	166	146	170
Unit 4	4.27	63.12	203	158	200
Unit 5	4.32	4.87	192	157	180
Unit 6	5.34	89.90	247	194	250
	18.83	230.06			846
Chandrapur					
Unit 1	3.40	51.98	144	138	150
Unit 2	3.38	55.07	147	132	160
Unit 3	4.20	62.49	188	157	210
Unit 4	4.50	67.93	192	182	210
Unit 5	10.10	149.98	443	398	450
Unit 6	9.14	135.63	411	360	450
Unit 7	10.05	153.52	446	404	450
	44.78	676.59			2080
Paras					
Unit 2	1.08	16.07	48	41	46
Unit 3	4.41	66.72	214	115	200
	5.49	82.79			246
Khaparkheda					
Unit 1	4.54	18.90	205	173	190
Unit 2	4.57	67.70	196	183	190
Unit 3	5.14	73.47	215	213	210
Unit 4	0.00	62.23	0	0	0
	14.25	222.30			590
Nasik					
Unit 1	2.15	28.27	98	65	95
Unit 2	2.16	24.07	91	90	95
Unit 3	4.84	59.33	214	191	205
Unit 4	4.62	60.73	197	190	205
Unit 5	4.79	71.51	207	190	200
	18.57	243.91			800
Uran					
All Units	12.34	179.78	564	414	520
	12.34	179.78			520
Koyna					
Stage 1-2	2.18	20.88	280	25	440
Stage 4	0.60	13.49	280	0	250
Kovna 12&4 Total	2.78	34.37			690

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.68	7.62	160	0	240
	3.46	41.99			930
Hydro					
KDPH		4.08	0	0	0
VTRNA	0.00	3.64	0	0	0
TILLARI	0.37	5.44	60	0	60
BHTGR/VEER	1.55	26.64	67	55	82
BHIRA T.R.	0.13	3.77	49	0	80
RNGR+BHTSA	0.32	4.39	15	11	12
BHANDARDRA	0.78	5.70	33	32	32
ELDARY	0.00	1.27	0	0	0
PAITHAN	0.06	0.81	9	0	10
GHATGHAR	0.68	13.12	125	0	0
	3.88	68.84			276
PENCH (MS)					
Pench (MS)	0.40	3.15	53	0	
	0.40	3.15			
Wind					
MalharPeth	0.08	1.19			
Vankuswadi	0.23	3.47			
ATIT	0.14	1.37			
Kale	0.08	0.99			
Satara	0.10	1.60			
Shirala	0.07	1.12			
K Mahankal	0.01	0.42			
Supa	0.04	0.84			
Vita	0.28	5.95			
Dondaicha	1.56	12.01			
Sakri	0.24	1.93			
Nandurbar	0.27	1.83			
Khadakale	0.11	2.04			
Khaparale	0.02	1.27			
	3.23	36.03			
Dabhol					
RGPP L II	38.09	483.22	1610	1530	1560
RGPP L III	0.00	0.00	0	0	
	38.09	483.22			1560
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.25	75.22	430	235	500
Trombay 6	6.74	142.44	500	150	500
Trombay 7A	2.07	36.52	127	70	110
Trombay 7B	1.37	22.17	68	53	70
Trombay 8	5.07	79.32	250	150	250
TATA Hydro	4.81	70.34	481	0	447
	29.32	426.02			1877
REL					
1&2	12.76	189.50	534	530	500
	12.76	189.50			500
Cent Sect					
Share					3221
					3221

MS PG CL	Thermal	129.15	1851.90		5697
	Thml+Gas	141.48	2031.68		6217
	Hydro	7.33	110.83		1206
	Total	148.82	2142.52		7423
State Total		232.60	3280.42		14581

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/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	5332	140	480	5952	1605	199	2633	2453	-44	2	10211	1239	11450	1383	12833	49.97
2	5372	141	440	5953	1605	157	2633	2368	-44	3	10086	1167	11253	1285	12538	50.04
3	5342	141	435	5918	1605	164	2633	2219	-44	-21	9885	596	10481	1257	11738	49.98
4	5350	146	414	5910	1607	166	2633	2451	-44	8	10142	0	10142	1247	11389	50.00
5	5363	141	486	5990	1610	163	2633	2550	-44	3	10316	1027	11343	1256	12599	49.94
6	5340	136	510	5986	1607	158	2792	2692	-44	-2	10468	2187	12655	1325	13980	49.76
7	5347	146	511	6004	1602	118	3013	2565	46	88	10404	2870	13274	1507	14781	49.65
8	5389	141	511	6041	1602	85	3026	3073	46	90	10918	3112	14030	1582	15612	49.63
9	5409	165	562	6136	1605	64	3045	2846	48	94	10775	3390	14165	1767	15932	49.73
10	5419	267	563	6249	1585	100	3290	3017	-191	-139	10865	3482	14347	2108	16455	49.55
11	5373	566	564	6503	1585	51	3280	3308	-191	-143	11331	3241	14572	2270	16842	49.71
12	5354	460	532	6346	1586	80	3329	3165	-244	-186	11044	3507	14551	2352	16903	49.79
13	5387	268	534	6189	1580	131	3341	3500	-244	-192	11261	3429	14690	2208	16898	49.79
14	5378	273	517	6168	1585	118	3340	3379	-244	-191	11086	3351	14437	2199	16636	49.95
15	5385	274	510	6169	1575	106	3340	3537	-244	-192	11195	3461	14656	2216	16872	49.76
16	5403	265	515	6183	1570	109	3340	3374	-244	-191	11045	3214	14259	2236	16495	49.73
17	5411	456	510	6377	1570	109	3341	3613	-244	-190	11479	2966	14445	2208	16653	49.72
18	5415	552	523	6490	1582	117	3346	3530	-244	-192	11527	2672	14199	2188	16387	49.97
19	5436	781	554	6771	1581	133	3140	3328	-303	-249	11617	3320	14937	2210	17147	49.90
20	5380	893	564	6837	1570	178	3268	3143	-309	-235	11513	3640	15153	2246	17399	49.98
21	5396	582	560	6538	1570	220	3116	3336	-253	-146	11518	3319	14837	2153	16990	49.89
22	5373	132	516	6021	1583	202	2938	3046	-290	-149	10703	3293	13996	1986	15982	50.02
23	5386	131	514	6031	1530	161	3076	3008	-236	-180	10550	1234	11784	1737	13521	49.73
24	5407	136	513	6056	1590	139	2977	2913	-192	-132	10566	0	10566	1588	12154	49.85
MUs	129.15	7.33	12.34	148.82	38.09	3.23	73.50	72.41	-3.80	-2.44	260.50	59.72	320.22	44.51	364.74	49.84

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 15/Feb/2010

Position as on 6.30 Hrs of 16/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
Paras Unit 3	250	16/02/2010	02.35		Continued.	AOH.	
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.	
Khaparkheda Unit 4	210	14/02/2010	21.27		Continued.	Turbine Vibration	17/02/2010
Parli Unit 5	210	16/02/2010	00.45	16/02/2010	04.10	Drum level low.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Feb/2010

Position as on 6.30 Hrs of 16/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.
Voltage Level : 220KV			Outage Type TRIPPED		
HALKARNI-TILLARY	15/02/2010	11.55	15/02/2010	12.20	Distance protection.
Tillary-Amona	15/02/2010	11.55	15/02/2010	13.20	Distance protection.
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	15/02/2010	13.52	Replacement of 29C isolator.
Koradi-Chandrapur	15/02/2010	08.11	15/02/2010	17.08	C.B.Replacement.
Karad-Kolhapur CKT I	15/02/2010	10.25	15/02/2010	18.32	Q.M.Work
Baramati 220KV Bay at 400 KV Jejuri s/ s	15/02/2010	13.00		Continued.	Retrofitting of 21 A Isolator(Load will be on TBC)
400 Kv Aux.Bus at Bhusawal II	15/02/2010	13.50	15/02/2010	17.55	Fixing of beam for 400KV bay extension.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
TBC at Kalwa.	08/02/2010	11.35	15/02/2010	17.42	Replacement of 29 C Isolator.
Bus Coupler Bay @ Karad	08/02/2010	12.02	15/02/2010	19.33	Isolator and Breaker Replacement.
220 KV Jejuri Bus. I	11/02/2010	13.30		Continued.	Outage.
BBLSR-Chalisgaon	13/02/2010	17.45	15/02/2010	17.51	Main C.B.replacement work,Ckt charged on TBC.
N.Koyna-Lote(p)	15/02/2010	07.40	15/02/2010	16.15	R.M.Work.
Wardha--Dhamangaon	15/02/2010	08.20	15/02/2010	11.10	Condenser replacement work.
New Paras TPS - Chikhali - I	15/02/2010	10.05	15/02/2010	18.21	Line Maint. and jumpering work.
Apta-Uran-IV	15/02/2010	14.55	15/02/2010	18.33	CT jumpering work.
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	15/02/2010	12.40	Due to isolator problem,taken on TBC.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	11/02/2010	18.28	15/02/2010	09.45	H/T for O/V.
Bhusawal- Aurangabad	15/02/2010	12.07		Continued.	H/T for O/v.
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur-Parli-I	15/02/2010	20.49	15/02/2010	21.49	Distance protection.
Voltage Level : 220KV			Outage Type TRIPPED		
220/33KV, 25MVA T/F at Gadchandur	26/01/2010	09:50		Continued.	Buccholtz Trip.
Karad-Wathar	15/02/2010	12.55	15/02/2010	18.45	Distance protection.
Khaparkheda-Kawlewada-II	15/02/2010	16.17	15/02/2010	16.40	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Feb/2010

Position as on 6.30 Hrs of 16/Feb/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Lamboti-Bale-I	15/02/2010	22.53		Continued.	Trip Y-B Ph.C.T.Burst at Bale
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.
Parli-Kalamb	15/02/2010	21.08	15/02/2010	21.23	Distance protection
Girwali - Kej	15/02/2010	21.08	15/02/2010	21.23	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Feb/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	65
Unit 3	105	0
Unit 4	105	70
Unit 5	200	150
Unit 6	210	160
Unit 7	210	175
	1040	695
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	170
Unit 4	210	200
Unit 5	210	180
Unit 6	250	250
	940	846
Chandrapur		
Unit 1	210	150
Unit 2	210	160
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	200
	305	246
Khaparkheda		
Unit 1	210	190
Unit 2	210	190
Unit 3	210	210
Unit 4	210	0
	840	590
Nasik		
Unit 1	120	95
Unit 2	120	95
Unit 3	210	205
Unit 4	210	205
Unit 5	210	200
	870	800
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	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	80
BHIRA T.R.	80	80
RNGR+BHTSA	20	14
BHANDARDRA	45	32
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	276
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	1560
RGPL III	740	
	1700	1560
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	3221
	3143	3221