



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Feb/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/Feb/2010 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	119.423	2351.703	1) Madhya Pradesh	52.939	1173.156
2) Hydro	9.930	151.530	2) Gujrat	26.565	417.147
3) Gas	11.844	228.986	3) Goa	-6.598	-120.331
Total MSGENCO	141.197	2732.219	4) TAPS 1&2 (Inj.)	7.347	132.621
B) OTHERS			5) Pench (Excess)	-1.156	-6.647
1) RGPPL Gas	33.154	630.340	# Total Cent. Sector	79.097	1595.946
2) Wind Generation	2.228	46.126	F) Other Exchanges		
3) PENCH (MS)	1.156	6.647	1) With TPCL	-2.742	-65.022
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	25.573	456.959	1) MSEDCL Bilateral	5.907	111.848
2) TPCL Hydro	4.708	89.314	Include PX	0.000	1.247
TOTAL TPCL	30.281	546.273	2) MUMBAI Bilateral	3.601	74.198
3) REL Thermal	12.768	240.529	Include PX	1.927	45.496
D) STATE			3) MUMBAI Schedule	3.601	79.241
1) Thermal (A1+C1+C3)	157.764	3049.191	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	15.794	247.491	1) MSEDCL	254.090	4946.256
3) Gas (A3+B1)	44.998	859.326	2) TPCL	29.900	555.571
4) Wind (B2)	2.228	46.126	3) REL	15.890	296.141
TOTAL STATE	220.784	4202.134	TOTAL STATE	299.880	5797.968

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	5039	4946	4948
MSGENCO Hydro	330	1084	164
MSGENCO Gas	495	490	494
MSGENCO Total Generation	5864	6520	5606
Central Sector Receipt	3782	3572	2827
RGPPL	1250	1258	1550
WIND	75	97	100
Exchange with TPCL	-195	-195	-21
MSEDCL DEMAND MET	10823	11302	10109
Load Shedding	3932	4344	1959
MSEDCL DEMAND (INCL. LS)	14755	15646	12068
TPCL GENERATION	1654	1567	761
REL GENERATION	532	530	533
TPCL+REL DEMAND	2381	2292	1315
STATE DEMAND MET	13204	13594	11424
STATE DEMAND (INCL. LS)	17136	17938	13383
Frequency (Hz)	49.74	49.73	49.81
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4460 MW At 20.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			87.88 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.35 Hz at 08.04 Hrs	48.84 Hz at 06.41 Hrs	49.72	.54 % 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 19/Feb/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	32.52	0	0	0
Unit 2	1.70	28.39	76	65	70
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	22.35	0	0	0
Unit 5	3.77	68.33	175	123	170
Unit 6	3.59	71.98	169	135	150
Unit 7	4.14	83.00	204	142	190
	13.19	306.58			580
Bhusawal					
Unit 1	1.23	21.50	53	49	50
Unit 2	4.51	85.98	198	172	195
Unit 3	4.63	87.02	200	181	195
	10.37	194.50			440
Parli					
Unit 1	0.50	10.62	23	19	23
Unit 2	0.53	10.25	24	19	23
Unit 3	2.95	69.63	152	100	160
Unit 4	3.52	78.91	163	132	200
Unit 5	0.00	16.97	0	0	0
Unit 6	5.84	113.41	248	225	250
	13.34	299.79			656
Chandrapur					
Unit 1	3.37	65.04	149	133	150
Unit 2	3.49	68.53	154	135	150
Unit 3	3.97	78.71	189	143	180
Unit 4	4.54	85.75	199	168	210
Unit 5	10.04	190.66	445	380	450
Unit 6	8.98	172.04	405	340	425
Unit 7	10.53	194.56	458	400	450
	44.93	855.28			2015
Paras					
Unit 2	1.11	20.07	48	44	46
Unit 3	0.00	66.95	0	0	0
	1.11	87.02			46
Khaparkheda					
Unit 1	5.01	38.40	214	202	205
Unit 2	4.53	86.00	196	177	195
Unit 3	5.09	93.84	213	206	210
Unit 4	5.08	75.38	214	206	210
	19.71	293.62			820
Nasik					
Unit 1	0.00	32.56	0	0	0
Unit 2	2.25	32.92	98	90	95
Unit 3	4.90	78.78	210	200	205
Unit 4	4.76	79.72	204	193	205
Unit 5	4.85	90.94	207	196	205
	16.77	314.91			710
Uran					
All Units	11.84	228.99	498	490	470
	11.84	228.99			470
Koyna					
Stage 1-2	1.64	29.85	315	30	440
Stage 4	2.63	23.69	445	0	250
Kovna 12&4 Total	4.27	53.54			690

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.80	11.20	160	0	240
	5.07	64.75			930
Hydro					
KDPH	0.00	4.08	0	0	0
VTRNA	1.05	6.44	61	0	60
TILLARI	0.38	6.92	60	0	60
BHTGR/VEER	1.97	33.95	82	82	61
BHIRA T.R.	0.22	4.58	60	0	80
RNGR+BHTSA	0.36	5.84	15	15	15
BHANDARDRA	0.77	8.76	32	32	32
ELDARY	0.00	1.27	0	0	0
PAITHAN	0.00	0.81	0	0	0
GHATGHAR	0.12	14.14	100	0	0
	4.86	86.78			308
PENCH (MS)					
Pench (MS)	1.16	6.65	51	20	
	1.16	6.65			
Wind					
MalharPeth	0.39	1.90			
Vankuswadi	0.24	4.49			
ATIT	0.05	1.60			
Kale	0.08	1.38			
Satara	0.08	2.33			
Shirala	0.07	1.55			
K Mahankal	0.05	0.65			
Supa	0.10	1.23			
Vita	0.40	8.04			
Dondaicha	0.40	13.80			
Sakri	0.06	2.30			
Nandurbar	0.03	2.05			
Khadakale	0.12	3.05			
Khaparale	0.18	1.76			
	2.23	46.13			
Dabhol					
RGPP L II	33.15	630.34	1560	1250	1555
RGPP L III	0.00	0.00	0	0	
	33.15	630.34			1555
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.22	111.51	415	260	500
Trombay 6	7.41	170.45	510	150	500
Trombay 7A	2.27	46.63	108	83	120
Trombay 7B	1.42	28.17	62	58	60
Trombay 8	5.25	100.20	254	154	250
TATA Hydro	4.71	89.31	481	0	447
	30.28	546.27			1877
REL					
1&2	12.77	240.53	533	530	500
	12.77	240.53			500
Cent Sect					
Share					3110
					3110

MS PG CL	Thermal	119.42	2351.70		5267
	Thml+Gas	131.27	2580.69		5737
	Hydro	9.93	151.53		1238
	Total	141.20	2732.22		6975
State Total		220.78	4202.13		14017

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/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	5044	164	494	5702	1535	112	2627	2880	-45	-20	10260	2175	12435	1513	13948	49.67
2	4949	169	494	5612	1540	93	2627	2795	-45	-20	10071	2211	12282	1422	13704	49.73
3	4948	164	494	5606	1550	100	2627	2827	-45	-21	10109	1959	12068	1315	13383	49.81
4	4954	174	490	5618	1552	111	2627	2782	-45	-18	10092	2271	12363	1272	13635	49.88
5	4913	164	494	5571	1545	102	2627	2746	-45	-27	9985	2414	12399	1296	13695	49.69
6	4897	439	494	5830	1545	92	2748	2893	-45	-21	10387	2787	13174	1379	14553	49.43
7	4969	240	490	5699	1546	105	2970	2525	45	73	9995	3891	13886	1455	15341	49.49
8	5054	225	490	5769	1557	113	2971	2763	45	73	10322	4018	14340	1597	15937	49.79
9	5108	237	490	5835	1555	82	3014	3304	45	72	10899	3720	14619	1794	16413	49.80
10	5077	396	495	5968	1560	70	3265	3325	-194	-164	10810	3623	14433	2173	16606	49.73
11	5042	338	493	5873	1345	64	3259	3785	-194	-160	10957	3783	14740	2307	17047	49.60
12	5039	330	495	5864	1250	75	3593	3782	-248	-195	10823	3932	14755	2381	17136	49.74
13	5004	263	490	5757	1250	56	3589	3766	-248	-218	10659	3926	14585	2368	16953	49.70
14	4988	235	492	5715	1252	60	3583	3847	-248	-214	10708	3878	14586	2266	16852	49.80
15	4949	235	493	5677	1250	64	3588	3694	-248	-220	10516	3996	14512	2240	16752	49.77
16	4943	398	495	5836	1255	91	3589	3586	-248	-218	10570	3812	14382	2249	16631	49.97
17	4952	423	498	5873	1253	102	3590	3714	-248	-221	10772	3744	14516	2239	16755	49.96
18	4927	477	496	5900	1250	107	3362	3832	-248	-227	10913	3405	14318	2224	16542	49.68
19	4933	800	498	6231	1255	107	3040	3517	-251	-217	10943	4004	14947	2259	17206	49.67
20	4946	1084	490	6520	1258	97	3171	3572	-251	-195	11302	4344	15646	2292	17938	49.73
21	4888	917	494	6299	1258	121	3143	3596	-204	-140	11185	4043	15228	2176	17404	49.64
22	4948	832	495	6275	1263	119	3051	3226	-204	-139	10795	4069	14864	2084	16948	49.71
23	4974	841	495	6310	1262	95	2791	2999	-237	-177	10539	3488	14027	1810	15837	49.53
24	4987	385	495	5867	1268	90	2802	3341	-193	-128	10488	2480	12968	1680	14648	49.71
MUs	119.43	9.93	11.84	141.21	33.15	2.23	74.25	79.10	-3.60	-2.74	254.10	81.97	336.07	45.79	381.86	49.72

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 19/Feb/2010

Position as on 6.30 Hrs of 20/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.	21/02/2010
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.	05/03/2010
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
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 1	125	17/02/2010	22.30		Continued.	Boiler Tube Leakage	20/02/2010
Koradi Unit 4	115	18/02/2010	07.17		Continued.	Boiler T/L.	22/02/2010
Koradi Unit 1	105	18/02/2010	08.37		Continued.	CRH Problem.	21/02/2010
Parli Unit 5	210	18/02/2010	21.30	19/02/2010	22.20	Bearing oil leakage.	
Dabhol 2B	230	19/02/2010	10.37		Continued.	Filter replacement.	
Nasik Unit 2	125	20/02/2010	05.00		Continued.	Boiler T/L.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Feb/2010

Position as on 6.30 Hrs of 20/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.
Wardha - Akola - I	16/02/2010	11.01		Continued.	To control Voltage at Akola
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 KV TBC at Parly-II	19/02/2010	09.15		Continued.	Breaker replacement.
400 KV TBC-I at Chandrapur	19/02/2010	09.26	19/02/2010	13.00	Tan-delta measurement.
Kalwa - Lonikand	19/02/2010	09.32	20/02/2010	01.59	Repair work of damaged strands.
Main Bus-I at Nagothane	19/02/2010	10.04	19/02/2010	21.15	Construction work in Dabhol-II Bay.
Main Bus - I @ Bhusawal	19/02/2010	10.20	19/02/2010	15.49	Stringing work,Of M.B.I
400/132KV,200 MVA ICT-II at Bhusawal	19/02/2010	10.27	19/02/2010	16.52	Replacement of seizer of M.B.I.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220 KV Jejuri Bus. I	11/02/2010	13.30		Continued.	Outage.
Baramati 220KV Bay at Jejuri	15/02/2010	13.00		Continued.	Repl.of 21A Isolator(Ckt on TBC)
Raymond-Washala	19/02/2010	08.40	19/02/2010	14.57	Conductor replacement.
Jindal - Ghatghar	19/02/2010	08.50		Continued.	Conductor replacement.
Padgha - Nalasopara	19/02/2010	08.55	19/02/2010	17.54	Q.M.Work
Dhule-Chalisgaon	19/02/2010	09.01	19/02/2010	22.28	Replacement of CT.
220/132 KV T/F - I @ Boisar	19/02/2010	09.03	19/02/2010	21.15	Replacement of Y-Ph L.A.
220/66KV,50 MVA ICT-II at Wardha	19/02/2010	09.48	19/02/2010	13.38	Red Hot on Isolator.
220/22 KV, 50 MVA T/F-II @ Kalwa	19/02/2010	10.20	19/02/2010	15.49	Testing work.
220/132KV 80MVA ICT at Nanded	19/02/2010	10.48		Continued.	Augmentation of ICT by 200 MVA up to 5th march.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	15/02/2010	12.07		Continued.	H/T for O/v.
400/220 KV,315 MVA ICT-IAT NAGOTHANE	19/02/2010	16.10	19/02/2010	16.26	Sparking at R-Ph Isolator.
Karad-Lonikand.	19/02/2010	18.19	19/02/2010	19.57	H/T from Lonikand ,to close reactor Isolator.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Chikhali - Khamgaon	16/02/2010	11.22		Continued.	To control Chikhali ICT Loading
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.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/Feb/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	70
Unit 3	105	0
Unit 4	105	0
Unit 5	200	150
Unit 6	210	100
Unit 7	210	160
	1040	480
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	190
Unit 6	250	250
	940	846
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	210
Unit 4	210	210
Unit 5	500	450
Unit 6	500	425
Unit 7	500	450
	2340	2045
Paras		
Unit 2	55	46
Unit 3	250	0
	305	46
Khaparkheda		
Unit 1	210	210
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	820
Nasik		
Unit 1	120	0
Unit 2	120	0
Unit 3	210	205
Unit 4	210	205
Unit 5	210	205
	870	615
Uran		
All Units	852	470
	852	470
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	240
	1920	1010
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	72
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	32
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	329
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	3161
	3143	3161

	17616	13899
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