



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Feb/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Feb/2010 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	123.807	2475.510	1) Madhya Pradesh	56.579	1229.735
2) Hydro	10.998	162.528	2) Gujrat	25.931	443.078
3) Gas	11.760	240.746	3) Goa	-6.624	-126.955
Total MSGENCO	146.565	2878.784	4) TAPS 1&2 (Inj.)	7.315	139.936
B) OTHERS			5) Pench (Excess)	-0.872	-7.519
1) RGPPL Gas	31.716	662.056	# Total Cent. Sector	82.329	1678.275
2) Wind Generation	2.408	48.534	F) Other Exchanges		
3) PENCH (MS)	0.872	7.519	1) With TPCL	-1.833	-66.855
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	25.697	482.656	1) MSEDCL Bilateral	5.907	117.755
2) TPCL Hydro	4.096	93.410	Include PX	0.000	1.247
TOTAL TPCL	29.793	576.066	2) MUMBAI Bilateral	2.824	77.022
3) REL Thermal	12.705	253.234	Include PX	1.410	46.906
D) STATE			3) MUMBAI Schedule	2.824	82.064
1) Thermal (A1+C1+C3)	162.209	3211.400	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	15.966	263.457	1) MSEDCL	262.057	5208.313
3) Gas (A3+B1)	43.476	902.802	2) TPCL	28.764	584.335
4) Wind (B2)	2.408	48.534	3) REL	15.566	311.707
TOTAL STATE	224.059	4426.193	TOTAL STATE	306.387	6104.355

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	5201	5240	5122
MSGENCO Hydro	979	632	164
MSGENCO Gas	478	520	488
MSGENCO Total Generation	6658	6392	5774
Central Sector Receipt	3360	3930	2924
RGPPL	1242	1460	1269
WIND	114	126	107
Exchange with TPCL	-138	-137	0
MSEDCL DEMAND MET	11283	11822	10074
Load Shedding	3727	4214	2024
MSEDCL DEMAND (INCL. LS)	15010	16036	12098
TPCL GENERATION	1675	1577	772
REL GENERATION	518	530	532
TPCL+REL DEMAND	2331	2244	1304
STATE DEMAND MET	13614	14066	11378
STATE DEMAND (INCL. LS)	17341	18280	13402
Frequency (Hz)	49.57	49.90	49.79
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4750 Mw at 21.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			88.07 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.35 Hz at 18.03 Hrs	49.1 Hz at 22.35 Hrs	49.71	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 20/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	1.65	30.05	72	59	70
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	22.35	0	0	0
Unit 5	3.81	72.14	174	134	150
Unit 6	3.50	75.49	164	99	100
Unit 7	4.14	87.14	208	148	160
	13.11	319.69			480
Bhusawal					
Unit 1	1.24	22.75	53	51	50
Unit 2	4.56	90.54	199	180	195
Unit 3	4.60	91.62	200	180	195
	10.41	204.91			440
Parli					
Unit 1	0.53	11.15	24	20	23
Unit 2	0.55	10.80	25	22	23
Unit 3	2.71	72.34	129	95	160
Unit 4	3.81	82.72	172	149	200
Unit 5	4.08	21.05	186	149	190
Unit 6	5.93	119.34	250	243	250
	17.62	317.41			846
Chandrapur					
Unit 1	3.46	68.50	149	140	150
Unit 2	3.55	72.08	154	134	150
Unit 3	4.12	82.83	196	138	210
Unit 4	4.40	90.14	198	151	210
Unit 5	10.60	201.26	460	415	450
Unit 6	8.89	180.94	415	330	425
Unit 7	10.63	205.18	456	393	450
	45.64	900.93			2045
Paras					
Unit 2	1.09	21.16	48	43	46
Unit 3	0.00	66.95	0	0	0
	1.09	88.11			46
Khaparkheda					
Unit 1	4.92	43.31	215	187	210
Unit 2	4.53	90.53	195	179	190
Unit 3	5.08	98.92	214	204	210
Unit 4	5.05	80.44	216	203	210
	19.57	313.19			820
Nasik					
Unit 1	1.38	33.93	96	0	0
Unit 2	0.47	33.39	100	0	0
Unit 3	4.86	83.64	210	190	205
Unit 4	4.79	84.51	207	192	205
Unit 5	4.87	95.81	207	192	205
	16.36	331.28			615
Uran					
All Units	11.76	240.75	528	333	470
	11.76	240.75			470
Koyna					
Stage 1-2	2.56	32.40	355	35	520
Stage 4	2.02	25.71	279	0	250
Kovna 12&4 Total	4.57	58.12			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.44	11.64	158	0	240
	5.01	69.76			1010
Hydro					
KDPH	0.43	4.51	37	0	0
VTRNA	1.16	7.60	61	0	60
TILLARI	0.37	7.28	60	0	60
BHTGR/VEER	1.97	35.92	82	82	72
BHIRA T.R.	0.27	4.85	80	0	80
RNGR+BHTSA	0.34	6.17	15	13	15
BHANDARDRA	0.74	9.51	34	28	32
ELDARY	0.00	1.27	0	0	0
PAITHAN	0.00	0.81	0	0	10
GHATGHAR	0.72	14.85	125	0	0
	5.99	92.77			329
PENCH (MS)					
Pench (MS)	0.87	7.52	51	0	
	0.87	7.52			
Wind					
MalharPeth	0.08	1.99			
Vankuswadi	0.22	4.71			
ATIT	0.12	1.71			
Kale	0.10	1.48			
Satara	0.11	2.43			
Shirala	0.14	1.69			
K Mahankal	0.36	1.01			
Supa	0.06	1.29			
Vita		8.04			
Dondaicha	0.62	14.42			
Sakri	0.12	2.43			
Nandurbar	0.03	2.09			
Khadakale	0.28	3.33			
Khaparale	0.16	1.91			
	2.41	48.53			
Dabhol					
RGPP L II	31.72	662.06	1590	1237	1260
RGPP L III		0.00	0	0	
	31.72	662.06			1260
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.28	120.80	410	280	500
Trombay 6	7.34	177.79	510	150	500
Trombay 7A	2.35	48.98	108	88	120
Trombay 7B	1.44	29.61	63	57	60
Trombay 8	5.28	105.48	255	155	250
TATA Hydro	4.10	93.41	481	0	447
	29.79	576.07			1877
REL					
1&2	12.70	253.23	533	509	500
	12.70	253.23			500
Cent Sect					
Share					3161
					3161

MS PG CL	Thermal	123.81	2475.51		5292
	Thml+Gas	135.57	2716.26		5762
	Hydro	11.00	162.53		1339
	Total	146.56	2878.78		7101
State Total		224.06	4426.19		13899

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/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	5128	169	489	5786	1260	91	2856	3219	-41	-7	10379	2185	12564	1495	14059	49.79
2	5098	164	488	5750	1260	105	2856	2997	-41	-2	10110	2245	12355	1375	13730	49.77
3	5122	164	488	5774	1269	107	2857	2924	-41		10074	2024	12098	1304	13402	49.79
4	5152	164	488	5804	1280	118	2858	3045	-41	-4	10243	2297	12540	1268	13808	49.91
5	5107	164	489	5760	1270	126	2858	2934	-41	-7	10083	2438	12521	1271	13792	49.71
6	5089	457	488	6034	1275	119	2856	2959	-41	-2	10408	2798	13206	1334	14540	49.62
7	5127	242	489	5858	1278	146	3076	3088	49	86	10475	3584	14059	1452	15511	49.82
8	5169	242	489	5900	1266	80	3075	3228	49	82	10589	3771	14360	1540	15900	49.61
9	5169	259	489	5917	1264	70	3063	3228	44	87	10613	3722	14335	1731	16066	49.70
10	5181	638	488	6307	1257	88	3247	3390	-139	-97	10992	3673	14665	2036	16701	49.61
11	5186	761	488	6435	1250	89	3240	3528	-139	-95	11254	3424	14678	2213	16891	49.52
12	5201	979	478	6658	1242	114	3284	3360	-184	-138	11283	3727	15010	2331	17341	49.57
13	5192	816	446	6454	1240	73	3292	3605	-184	-150	11269	3748	15017	2234	17251	49.58
14	5162	626	333	6121	1243	84	3315	3649	-184	-151	10993	3712	14705	2146	16851	49.77
15	5145	468	498	6111	1237	96	3321	3927	-184	-153	11265	3850	15115	2150	17265	49.69
16	5181	428	494	6103	1240	92	3309	3753	-184	-148	11087	3703	14790	2147	16937	49.76
17	5130	611	497	6238	1240	87	3309	3583	-184	-149	11046	3705	14751	2110	16861	49.58
18	5190	685	505	6380	1250	91	3311	3690	-184	-140	11318	3386	14704	2078	16782	49.77
19	5230	726	513	6469	1280	110	3202	3630	-187	-148	11392	4038	15430	2161	17591	49.78
20	5240	632	520	6392	1460	126	3230	3930	-187	-137	11822	4214	16036	2244	18280	49.90
21	5226	350	521	6097	1585	101	3407	4282	-187	-131	11982	3883	15865	2138	18003	49.81
22	5153	331	528	6012	1590	103	3060	3691	-187	-131	11315	3906	15221	2052	17273	49.82
23	5109	646	522	6277	1590	101	3067	3325	-229	-173	11167	3551	14718	1798	16516	49.46
24	5132	276	527	5935	1590	93	3008	3371	-184	-125	10914	2485	13399	1723	15122	49.65
MUs	123.82	11.00	11.76	146.57	31.72	2.41	74.96	82.34	-2.82	-1.83	262.07	80.07	342.14	44.33	386.47	49.71

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 20/Feb/2010

Position as on 6.30 Hrs of 21/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	20/02/2010	16.10	AOH.	
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	20/02/2010	08.00	Boiler Tube Leakage	
Koradi Unit 4	115	18/02/2010	07.17	21/02/2010	11.45	Boiler T/L.	22/02/2010
Koradi Unit 1	105	18/02/2010	08.37	21/02/2010	00.01	CRH Problem.	
Dabhol 2B	230	19/02/2010	10.37	20/02/2010	17.53	Filter replacement.	
Nasik Unit 2	125	20/02/2010	05.00		Continued.	Boiler T/L.	23/02/2010
Dabhol 1A	230	21/02/2010	00.02		Continued.	Combustion Inspection.	03/03/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Feb/2010

Position as on 6.30 Hrs of 21/Feb/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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		
Kalwa - Lonikand	19/02/2010	09.32	20/02/2010	01.59	Repair work of damaged strands.
Koradi-Chandrapur	19/02/2010	17.08		Continued.	Breaker replacement,Ckt.on TBC.
Padgha 400 KV HVDC AC Bay-I	20/02/2010	08.59	20/02/2010	16.08	Q.M.Work.
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)
Jindal - Ghatghar	19/02/2010	08.50		Continued.	Conductor replacement.
220KV TBC at 400 KV Parli-II	19/02/2010	09.15		Continued.	Breaker replacement work.
220/132KV 80MVA ICT at Nanded	19/02/2010	10.48		Continued.	Augmentation of ICT by 200 MVA up to 5th march.
Raymond-Washala	20/02/2010	08.20	20/02/2010	19.30	Conductor replacement work.
BBLSR II- BBL SRL CKT. I	20/02/2010	09.10	20/02/2010	10.11	Bay Maintenance work.
Nasik-Bablsr Ckt II	20/02/2010	10.05	20/02/2010	19.42	CT Replacement work.
220/132 KV,100 MVA ICT-I At Kalmeshwar	20/02/2010	10.34		Continued.	ICT replacement work.
220/132 KV 100 MVA ICT-II @ Bhusawal	20/02/2010	11.12	20/02/2010	17.16	Tan Delta measurement work.
Borivali-Aarey-II	21/02/2010	07.04	21/02/2010	09.19	Annual Line Maint.Work.
Aarey-Versova-II	21/02/2010	07.04	21/02/2010	16.15	Annual Line Maint.Work.
Butibori-Indorama	21/02/2010	09.00	21/02/2010	17.15	Quarterly Maintainance Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Nasik-Ozar-I	20/02/2010	10.38	20/02/2010	15.55	CT Replacement work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	15/02/2010	12.07		Continued.	H/T for O/v.
Parli-Lonikand - II	21/02/2010	16.04	21/02/2010	16.58	Breaker Problem.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Chikhali - Khamgaon	16/02/2010	11.22		Continued.	To control Chikhali ICT Loading
Voltage Level : 400KV			Outage Type TRIPPED		
Lonikand-Karad	20/02/2010	13.57	20/02/2010	14.36	Distance protection .
Voltage Level : 220KV			Outage Type TRIPPED		
Kolhapur - Karad - II	21/02/2010	14.25	21/02/2010	15.04	Dist.Prot.
220/22,50 MVA ICT-I @ Lonikand	21/02/2010	14.45	21/02/2010	16.45	Dist.Prot.
220/22 KV, 50 MVA T/F-II @ Lonikand.	21/02/2010	14.45		Continued.	Dist.Prot.,L V Side Y Ph. Breaker Burst.
Trombay - Sonkar	21/02/2010	18.51	21/02/2010	21.14	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Feb/2010

Position as on 6.30 Hrs of 21/Feb/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 132KV			Outage Type TRIPPED		
Chalisgaon - Kannad	20/02/2010	12.03	20/02/2010	12.20	Distance protection operated.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Feb/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	0
Unit 4	105	0
Unit 5	200	160
Unit 6	210	150
Unit 7	210	170
	1040	620
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	195
Unit 2	210	190
Unit 3	210	210
Unit 4	210	205
	840	800
Nasik		
Unit 1	120	95
Unit 2	120	0
Unit 3	210	205
Unit 4	210	205
Unit 5	210	205
	870	710
Uran		
All Units	852	480
	852	480
Koyna		
Stage 1-2	600	540
Stage 4	1000	250
Stage 3	320	320
	1920	1110
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	80
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	26
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	319
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	1271
RGPPPL III	740	
	1700	1271
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	110
Trombay 7B	60	70
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3011
	3143	3011

	17616	7 of 7	14075
--	--------------	--------	--------------