



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

State Load Dispatch Center, Airoli

Daily system Report

for

16/Mar/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 16/Mar/2010 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.080	1997.275	1) Madhya Pradesh	48.483	802.257
2) Hydro	19.342	236.805	2) Gujrat	24.891	477.270
3) Gas	15.505	202.694	3) Goa	-6.313	-98.983
Total MSGENCO	155.927	2436.774	4) TAPS 1&2 (Inj.)	7.209	116.325
B) OTHERS			5) Pench (Excess)	-0.515	-3.725
1) RGPPL Gas	29.583	476.899	# Total Cent. Sector	73.755	1293.144
2) Wind Generation	3.187	69.177	F) Other Exchanges		
3) PENCH (MS)	0.515	3.953	1) With TPCL	-1.173	-45.723
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	30.848	464.571	1) MSEDCL Bilateral	5.656	95.455
2) TPCL Hydro	2.194	62.500	Include PX	0.000	0.000
TOTAL TPCL	33.042	527.071	2) MUMBAI Bilateral	1.968	58.714
3) REL Thermal	12.613	202.367	Include PX	1.815	26.308
D) STATE			3) MUMBAI Schedule	1.968	58.714
1) Thermal (A1+C1+C3)	164.541	2664.213	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	22.051	303.258	1) MSEDCL	261.794	4234.224
3) Gas (A3+B1)	45.088	679.593	2) TPCL	29.755	500.574
4) Wind (B2)	3.187	69.177	3) REL	17.071	274.576
TOTAL STATE	234.867	3716.241	TOTAL STATE	308.620	5009.374

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	5001	5016	5047
MSGENCO Hydro	818	1269	680
MSGENCO Gas	635	652	664
MSGENCO Total Generation	6454	6937	6391
Central Sector Receipt	3614	3213	2561
RGPPL	1248	1248	1230
WIND	38	112	243
Exchange with TPCL	-117	-49	59
MSEDCL DEMAND MET	11252	11512	10484
Load Shedding	3583	3885	1888
MSEDCL DEMAND (INCL. LS)	14835	15397	12372
TPCL GENERATION	1528	1709	1140
REL GENERATION	524	524	527
TPCL+REL DEMAND	2169	2282	1608
STATE DEMAND MET	13421	13794	12092
STATE DEMAND (INCL. LS)	17004	17679	13980
Frequency (Hz)	49.45	49.38	49.14
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4360 MW at 23.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			84.44 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.19 Hz at 14.02 Hrs	48.8 Hz at 05.17 Hrs	49.32	8.24 % 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 16/Mar/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.78	22.49	84	69	80
Unit 2	1.68	25.62	76	65	70
Unit 3	0.00	0.00	0	0	0
Unit 4	1.85	26.83	88	65	80
Unit 5	3.71	56.68	165	141	160
Unit 6	3.74	58.55	165	148	160
Unit 7	4.48	50.44	201	175	190
	17.24	240.61			740
Bhusawal					
Unit 1	0.73	17.20	50	22	50
Unit 2	4.49	71.19	194	176	195
Unit 3	4.58	64.66	195	185	195
	9.80	153.05			440
Parli					
Unit 1	0.56	8.76	25	22	23
Unit 2	0.55	6.95	25	22	23
Unit 3	0.00	37.16	0	0	0
Unit 4	4.53	66.72	203	166	200
Unit 5	4.24	67.41	186	169	185
Unit 6	5.69	96.88	254	220	250
Unit 7	4.93	27.80	244	109	0
	20.50	311.68			681
Chandrapur					
Unit 1	3.35	43.43	145	123	150
Unit 2	3.31	55.03	146	120	150
Unit 3	3.76	65.49	186	110	180
Unit 4	4.37	72.86	199	150	200
Unit 5	0.00	127.57	0	0	0
Unit 6	9.53	142.46	415	385	425
Unit 7	10.54	162.79	450	424	475
	34.86	669.62			1580
Paras					
Unit 2	0.53	12.46	25	18	25
Unit 3	0.00	41.53	0	0	0
Unit 4	0.00	8.28	0	0	0
	0.53	62.27			25
Khaparkheda					
Unit 1	4.97	61.92	215	200	200
Unit 2	4.51	57.95	192	184	190
Unit 3	5.05	71.42	214	205	190
Unit 4	4.94	65.94	212	195	190
	19.48	257.23			770
Nasik					
Unit 1	2.31	36.03	100	92	100
Unit 2	2.02	36.26	98	72	100
Unit 3	4.84	78.33	210	195	210
Unit 4	4.66	75.05	202	177	210
Unit 5	4.86	77.14	207	192	210
	18.68	302.81			830
Koyna					
Stage 1-2	2.86	36.92	290	40	600
Stage 4	9.73	93.58	971	0	250
Stage 3	3.06	27.96	240	0	240
	15.66	158.46			1090
Kovna 12&4 Total	12.60	130.50			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran					
All Units	15.50	202.69	670	581	630
	15.50	202.69			630
Hydro					
KDPH	0.41	10.15	38	0	38
VTRNA	0.00	11.84	0	0	0
TILLARI	0.58	2.86	59	0	0
BHTGR/VEER	2.28	36.12	95	95	70
BHIRA T.R.	0.12	3.15	43	0	80
RNGR+BHTSA	0.30	4.94	13	12	14
BHANDARDRA	0.00	1.01	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	0.00	0	0	0
GHATGHAR	0.00	8.29	0	0	0
	3.69	78.35			202
PENCH (MS)					
Pench (MS)	0.52	3.95	51	0	
	0.52	3.95			
Wind					
MalharPeth	0.17	3.07			
Vankuswadi	0.30	6.10			
ATIT	0.14	2.03			
Kale	0.12	2.37			
Satara	0.06	2.29			
Shirala	0.13	2.41			
K Mahankal	0.02	1.80			
Supa	0.10	1.82			
Vita	0.16	8.84			
Dondaicha	1.21	23.26			
Sakri	0.22	3.80			
Nandurbar	0.23	3.40			
Khadakale	0.20	4.56			
Khaparale	0.12	3.43			
	3.19	69.18			
Dabhol					
RGPPL	29.58	476.90	1252	1100	1200
	29.58	476.90			1200
Tata					
Trombay 4		0.00	0	0	0
Trombay 5	9.84	158.52	410	410	420
Trombay 6	10.40	140.32	510	210	500
Trombay 7A	2.92	46.71	123	120	120
Trombay 7B	1.63	26.14	68	67	60
Trombay 8	6.06	92.89	255	250	250
TATA Hydro	2.19	62.50	348	0	447
	33.04	527.07			1797
REL					
1&2	12.61	202.37	527	524	500
	12.61	202.37			500
Cent Sect					
Share					3064
					3064

MS PG CL	Thermal	121.08	1997.28		5066
	Thml+Gas	136.58	2199.97		5696
	Hydro	19.34	236.80		1292
	Total	155.93	2436.77		6988
State Total		234.87	3716.24		13549

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/Mar/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	4842	1058	662	6562	1230	187	2666	2571	26	57	10632	1984	12616	1819	14435	49.00
2	4975	846	666	6487	1230	239	2647	2676	26	59	10703	2046	12749	1737	14486	49.16
3	5047	680	664	6391	1230	243	2691	2561	26	59	10484	1888	12372	1608	13980	49.14
4	5062	319	666	6047	1228	232	2746	2727	26	58	10292	2282	12574	1548	14122	49.07
5	5087	527	666	6280	1227	210	2760	2680	26	59	10456	2407	12863	1528	14391	49.08
6	5106	985	664	6755	1100	194	2692	2607	26	57	10738	2726	13464	1573	15037	48.96
7	5127	280	668	6075	1200	186	3060	3096	31	58	10641	3662	14303	1634	15937	49.21
8	5184	196	670	6050	1248	161	3060	3060	31	58	10577	3911	14488	1653	16141	49.42
9	5167	186	666	6019	1248	118	3017	2811	31	57	10253	3877	14130	1753	15883	49.50
10	5127	210	658	5995	1250	61	3243	3452	-127	-90	10668	3844	14512	1981	16493	49.54
11	5119	657	640	6416	1252	52	3364	3532	-174	-138	11114	3539	14653	2108	16761	49.49
12	5001	818	635	6454	1248	38	3338	3614	-174	-117	11252	3583	14835	2169	17004	49.45
13	5018	1054	626	6698	1233	38	3338	3447	-174	-160	11256	3522	14778	2186	16964	49.40
14	5077	849	632	6558	1230	54	3349	3382	-174	-159	11065	3486	14551	2141	16692	49.40
15	5018	697	632	6347	1230	95	3318	3445	-174	-162	10955	3714	14669	2146	16815	49.41
16	4930	907	628	6465	1235	109	3200	3245	-174	-163	10904	3627	14531	2134	16665	49.33
17	4871	989	634	6494	1235	120	3203	3207	-178	-166	10933	3620	14553	2112	16665	49.36
18	4969	977	632	6578	1240	122	3243	3262	-222	-211	11042	3213	14255	2112	16367	49.23
19	4979	915	650	6544	1250	118	2923	2967	-132	-112	10818	3796	14614	2165	16779	49.56
20	5016	1269	652	6937	1248	112	2966	3213	-67	-49	11512	3885	15397	2282	17679	49.38
21	5081	1256	660	6997	1250	121	3020	3132	-113	-45	11506	3599	15105	2263	17368	49.49
22	5114	1191	646	6951	1248	125	3024	3071	-113	-45	11401	3618	15019	2190	17209	49.50
23	5073	1341	607	7021	1248	131	2996	3092	-85	-14	11529	3228	14757	2036	16793	49.37
24	5091	1135	581	6807	1245	121	2926	2905	-132	-64	11064	2253	13317	1950	15267	49.24
MUs	121.08	19.34	15.50	155.93	29.58	3.19	72.79	73.76	-1.97	-1.17	261.80	77.31	339.10	46.83	385.93	49.32

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 16/Mar/2010

Position as on 6.30 Hrs of 17/Mar/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
Koyna Unit 12	80	03/03/2010	09.30		Continued.	Retrofitting work	05/04/2010
Parli Unit 3	210	11/03/2010	03.45		Continued.	Annual overhaul	05/04/2010
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.	
Uran Unit 3	60	05/03/2010	09.49		Continued.	Gas Restriction.	
Paras Unit 4	250	13/03/2010	21:45		Continued.	ESP Problem.	
Cent_Sect NTPC(V-8)	500	14/03/2010	06.12	16/03/2010	00.28	Drain Line leakage	
Chandrapur Unit 5	500	14/03/2010	15.31		Continued.	Boiler Tube Leakage.	17/03/2010
Paras Unit 3	250	15/03/2010	09.58		Continued.	Boiler Tube Leakage.	18/03/2010
Dabhol 3B	230	15/03/2010	23.44		Continued.	Replacement of Air Intake Filters of CTG-3B.	17/03/2010
Dabhol 3X	290	15/03/2010	23.44		Continued.	Replacement of Air Intake Filters of CTG-3B.	17/03/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Mar/2010

Position as on 6.30 Hrs of 17/Mar/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Akola - I	16/02/2010	11.01		Continued.	To control Voltage at Akola
Kolhapur-Mapusa-II	16/03/2010	13.41	16/03/2010	14.28	R Ph Bus Side Isolator Sparking.
IntraState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132KV 80MVA ICT at Nanded	19/02/2010	10.48		Continued.	Augmentation of ICT by 200 MVA.
220/132 KV,100 MVA ICT-I At Kalmeshwar	20/02/2010	10.34		Continued.	ICT replacement work.
Trombay - Sonkar	03/03/2010	08.00		Continued.	Repl.of Rusted Tower.
Trombay - Tifil	03/03/2010	08.28		Continued.	Repl.of Rusted Tower.
220/132KV, 100MVA ICT-I at Padegaon	10/03/2010	12.20		Continued.	ICT Replacement by 200MVA New ICT
220/132 KV T/F - II @ Boiser	11/03/2010	12.30		Continued.	Aumantation of new 200 MVA ICT.
Girawli-Parli-III	15/03/2010	14.04		Continued.	C B Replacement Work.
Badnera-Akola Ckt.I	16/03/2010	07.10	16/03/2010	11.45	Replacement of Disc Ins. @ Loc No.23.
Kalwa - Ghatghar	16/03/2010	08.35		Continued.	Commissioning Work of 220KV Airoli Knowledge Park.
Kalwa-Nasik	16/03/2010	09.00		Continued.	Commissioning Work of 220KV Airoli Knowledge Park.
Khaparkheda - Kanhan - II	16/03/2010	11.54	16/03/2010	16.36	Replacement of Brokan E/W.
Khaparkheda - Ambazari - II	16/03/2010	12.02	16/03/2010	16.38	Replacement of Brokan E/W.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Dhule - Dhule	16/03/2010	10.45	16/03/2010	15.15	L A Replacement Work.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
KALWA-SALSET I	16/03/2010	08.54	16/03/2010	19.53	Commissioning Work of 220KV Airoli Knowledge Park.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - II	08/03/2010	15.15		Continued.	Hand Tripped
Voltage Level : 400KV			Outage Type TRIPPED		
Bhusawal- Aurangabad	07/03/2010	20.43		Continued.	Hand Tripped for Over Voltage.
Lonikand-Karad	16/03/2010	13.36	16/03/2010	14.03	Tripped.
Voltage Level : 220KV			Outage Type TRIPPED		
Babaleshwar - Alephata	15/03/2010	19.36	16/03/2010	08.26	Distance Protection,Decleared Faulty.
Jejuri-Phursungi	16/03/2010	00.45	16/03/2010	11.24	Distance Protection,Decleared Faulty.
Babaleshwar - Alephata	16/03/2010	11.34	16/03/2010	18.40	Distance Protection.
N.Koyna-Phinolex	17/03/2010	04.34	17/03/2010	05.42	Distanace Protection.
N.Koyna-Phinolex	17/03/2010	06.00		Continued.	Distanace Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
132/3.3 KV 6 MVA Stn T/F @ Paras	15/03/2010	16.16		Continued.	B Ph C T Burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/Mar/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	70
Unit 3	105	0
Unit 4	105	80
Unit 5	200	160
Unit 6	210	160
Unit 7	210	205
	1040	755
Bhusawal		
Unit 1	58	25
Unit 2	210	195
Unit 3	210	195
	478	415
Parli		
Unit 1	30	23
Unit 2	30	23
Unit 3	210	0
Unit 4	210	200
Unit 5	210	185
Unit 6	250	250
Unit 7	250	0
	1190	681
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	160
Unit 4	210	210
Unit 5	500	0
Unit 6	500	425
Unit 7	500	475
	2340	1570
Paras		
Unit 2	55	24
Unit 3	250	0
Unit 4	250	0
	555	24
Khaparkheda		
Unit 1	210	210
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	820
Nasik		
Unit 1	120	100
Unit 2	120	100
Unit 3	210	205
Unit 4	210	205
Unit 5	210	205
	870	815
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Uran		
All Units	852	630

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	630
Hydro		
KDPH	40	36
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	95
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	284
PENCH (MS)		
Pench (MS)	53	0
	53	0
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		
RGPLL	960	1200
	960	1200
Tata		
Trombay 4	150	0
Trombay 5	500	410
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1787
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3186
	3143	3186

	17376	13757
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