



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

State Load Dispatch Center, Airoli

Daily system Report

for

16/Jan/2010

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	114.271	1990.208	1) Madhya Pradesh	65.748	918.304
2) Hydro	8.256	140.359	2) Gujrat	20.856	332.016
3) Gas	13.447	218.032	3) Goa	-6.731	-104.114
Total MSGENCO	135.974	2348.599	4) TAPS 1&2 (Inj.)	3.672	54.952
B) OTHERS			5) Pench (Excess)	-0.645	-5.348
1) RGPPL Gas	23.012	406.978	# Total Cent. Sector	82.900	1195.810
2) Wind Generation	3.063	48.468	F) Other Exchanges		
3) PENCH (MS)	0.645	5.348	1) With TPCL	-4.475	-65.369
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	20.642	343.117	1) MSEDCL Bilateral	6.960	105.534
2) TPCL Hydro	6.060	83.042	Include PX	1.241	9.926
TOTAL TPCL	26.702	426.159	2) MUMBAI Bilateral	5.133	75.039
3) REL Thermal	12.730	203.326	Include PX	1.927	39.632
D) STATE			3) MUMBAI Schedule	5.133	76.039
1) Thermal (A1+C1+C3)	147.643	2536.651	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	14.961	228.749	1) MSEDCL	241.119	3939.834
3) Gas (A3+B1)	36.459	625.010	2) TPCL	28.423	451.610
4) Wind (B2)	3.063	48.468	3) REL	15.686	243.540
TOTAL STATE	202.126	3438.878	TOTAL STATE	285.228	4634.984

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4864	4834	4667
MSGENCO Hydro	586	905	118
MSGENCO Gas	565	530	616
MSGENCO Total Generation	6015	6269	5401
Central Sector Receipt	3601	4148	2581
RGPPL	974	971	974
WIND	112	52	210
Exchange with TPCL	-299	-398	-41
MSEDCL DEMAND MET	10443	11095	9125
Load Shedding	3483	3616	1766
MSEDCL DEMAND (INCL. LS)	13926	14711	10891
TPCL GENERATION	1395	1300	703
REL GENERATION	528	527	533
TPCL+REL DEMAND	2222	2225	1277
STATE DEMAND MET	12665	13320	10402
STATE DEMAND (INCL. LS)	16148	16936	12168
Frequency (Hz)	49.52	49.48	50.04
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4823 MW At 19.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			84.74 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.37 Hz at 10.57 Hrs	48.96 Hz at 20.30 Hrs	49.71	.22 % 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/Jan/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.68	29.70	82	52	70
Unit 2	1.40	25.67	74	36	40
Unit 3	0.00	10.30	0	0	0
Unit 4	0.91	19.94	78	0	50
Unit 5	2.97	56.89	172	58	120
Unit 6	3.49	49.26	161	109	140
Unit 7	0.00	46.91	0	0	0
	10.45	238.68			420
Bhusawal					
Unit 1	1.09	13.20	52	26	50
Unit 2	4.48	54.49	192	180	190
Unit 3	4.48	69.47	195	180	185
	10.05	137.16			425
Parli					
Unit 1	0.57	8.89	25	20	23
Unit 2	0.56	8.70	25	21	23
Unit 3	3.41	44.23	149	135	145
Unit 4	4.88	74.08	210	194	200
Unit 5	4.15	63.20	180	149	180
Unit 6	4.19	87.16	228	97	240
	17.76	286.27			811
Chandrapur					
Unit 1	3.40	53.95	149	127	150
Unit 2	1.81	52.56	153	0	0
Unit 3	4.25	62.80	200	153	200
Unit 4	3.44	54.88	200	0	200
Unit 5	10.68	165.84	464	412	450
Unit 6	10.16	160.59	455	400	450
Unit 7	10.14	161.83	440	390	450
	43.88	712.45			1900
Paras					
Unit 2	0.38	15.48	48	0	48
Unit 3	0.00	70.35	0	0	0
	0.38	85.83			48
Khaparkheda					
Unit 1	0.00	22.60	0	0	0
Unit 2	4.62	73.31	204	181	190
Unit 3	4.81	78.13	213	190	210
Unit 4	4.95	76.95	212	193	210
	14.38	250.99			610
Nasik					
Unit 1	2.16	29.85	98	82	95
Unit 2	1.36	34.69	100	0	95
Unit 3	4.63	76.84	205	185	205
Unit 4	4.71	75.94	204	182	205
Unit 5	4.51	61.50	196	172	205
	17.37	278.83			805
Uran					
All Units	13.45	218.03	618	500	600
	13.45	218.03			600
Koyna					
Stage 1-2	1.76	27.88	315	35	530
Stage 4	1.85	37.82	576	0	250
Koyna 12&4 Total	3.60	65.70			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.28	13.10	80	0	320
	3.88	78.80			1100
Hydro					
KDPH	0.47	5.11	20	19	18
VTRNA	0.57	3.37	61	0	60
TILLARI	0.37	5.92	60	0	60
BHTGR/VEER	1.27	18.58	53	53	50
BHIRA T.R.	0.33	4.07	81	0	80
RNGR+BHTSA	0.28	5.03	12	11	14
BHANDARDRA	0.00	6.03	0	0	25
ELDARY	0.00	0.71	0	0	0
PAITHAN	0.06	0.86	10	0	10
GHATGHAR	1.01	11.88	125	0	0
	4.37	61.56			317
PENCH (MS)					
Pench (MS)	0.64	5.35	54	0	
	0.64	5.35			
Wind					
MalharPeth	0.13	1.94			
Vankuswadi	0.36	4.82			
ATIT	0.07	0.98			
Kale	0.09	1.56			
Satara	0.11	1.89			
Shirala	0.12	1.74			
K Mahankal	0.05	1.31			
Supa	0.05	1.22			
Vita	0.62	8.96			
Dondaicha	1.05	14.06			
Sakri	0.08	1.87			
Nandurbar	0.13	1.60			
Khadakale	0.15	3.83			
Khaparale	0.06	2.68			
	3.06	48.47			
Dabhol					
RGPP L II	23.01	406.98	976	670	934
RGPP L III		0.00			0
	23.01	406.98			934
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	19.68	0	0	0
Trombay 6	11.06	167.52	510	330	500
Trombay 7A	2.55	43.18	126	88	120
Trombay 7B	1.53	24.96	69	59	60
Trombay 8	5.50	87.77	251	150	250
TATA Hydro	6.06	83.04	481	0	447
	26.70	426.16			1377
REL					
1&2	12.73	203.33	533	527	500
	12.73	203.33			500
Cent Sect					
Share					3201
					3201

MS PG CL	Thermal	114.27	1990.21		5019
	Thml+Gas	127.72	2208.24		5619
	Hydro	8.26	140.36		1417
	Total	135.97	2348.60		7036
State Total		202.13	3438.88		13048

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/Jan/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	4607	119	526	5252	970	140	2584	2729	-58	-44	9047	1891	10938	1450	12388	50.01
2	4622	119	603	5344	971	175	2584	2606	-58	-42	9054	1922	10976	1318	12294	50.02
3	4667	118	616	5401	974	210	2584	2581	-58	-41	9125	1766	10891	1277	12168	50.04
4	4696	118	616	5430	976	229	2584	2514	-58	-40	9109	1903	11012	1246	12258	50.14
5	4687	118	617	5422	670	247	2585	2642	-58	-41	8940	1987	10927	1277	12204	49.99
6	4693	118	617	5428	971	254	2768	3039	-58	-41	9676	2320	11996	1337	13333	49.87
7	4715	123	618	5456	975	264	3048	3125	10	24	9854	2855	12709	1464	14173	49.81
8	4764	139	612	5515	974	277	3047	3337	10	26	10139	3203	13342	1558	14900	49.68
9	4754	164	600	5518	972	173	3034	3193	10	24	9907	3624	13531	1777	15308	49.65
10	4796	267	583	5646	968	161	3281	3603	-239	-25	10363	3709	14072	1846	15918	49.63
11	4835	581	575	5991	969	183	3383	3567	-248	-238	10489	3325	13814	2164	15978	49.63
12	4864	586	565	6015	974	112	3383	3601	-301	-299	10443	3483	13926	2222	16148	49.52
13	4785	740	562	6087	970	73	3418	3654	-302	-295	10529	3399	13928	2218	16146	49.66
14	4703	359	537	5599	971	47	3497	3840	-302	-302	10202	3441	13643	2162	15805	49.44
15	4736	275	515	5526	972	32	3599	3998	-302	-298	10257	3511	13768	2148	15916	49.51
16	4731	222	521	5474	970	30	3599	4219	-302	-301	10418	3362	13780	2152	15932	49.65
17	4701	135	521	5357	970	30	3596	4314	-302	-286	10411	3380	13791	2129	15920	49.63
18	4819	182	515	5516	968	33	3609	4199	-302	-294	10462	3076	13538	2074	15612	49.49
19	4834	905	530	6269	971	52	3179	4148	-400	-398	11095	3616	14711	2225	16936	49.48
20	4850	933	500	6283	971	74	3303	3777	-400	-359	10799	3802	14601	2258	16859	49.47
21	4895	1105	512	6512	970	78	3060	3633	-353	-297	10936	3476	14412	2126	16538	49.54
22	4889	400	535	5824	970	63	3034	3774	-353	-296	10382	3489	13871	2012	15883	49.61
23	4887	281	536	5704	975	76	3029	3467	-353	-316	9959	3094	13053	1787	14840	49.62
24	4883	149	515	5547	970	50	2995	3340	-353	-296	9665	2141	11806	1680	13486	49.85
MUs	114.41	8.26	13.45	136.12	23.01	3.06	74.78	82.90	-5.13	-4.48	241.26	71.78	313.04	43.91	356.94	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 16/Jan/2010

Position as on 6.30 Hrs of 17/Jan/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
Tata Trombay 5	500	03/01/2010	00.57		Continued.	AOH	01/02/2010
Koyna Unit 2	75	03/01/2010	08:00		Continued.	checking bearing vibration & realignment work.	19/01/2010
Khaparkhedda Unit 1	210	05/01/2010	23.57		Continued.	AOH	09/02/2010
Koradi Unit 3	105	09/01/2010	00.17		Continued.	COH.	21/03/2010
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	
Uran Unit 3	60	05/07/2009	21.12		Continued.	Stator Earth Fault	
Tata Trombay 4	150	01/12/2009	19:16		Continued.	Low Demand.	
Cent_Sect Tarapur 1	80	09/12/2009	09:22		Continued.	Condenser Tube Leakage.	02/02/2010
Koradi Unit 7	210	13/01/2010	21:53		Continued.	Tripped on AC O/V at Excitation Trf.	20/01/2010
Chandrapur Unit 2	210	14/01/2010	07.54	16/01/2010	08.15	Economiser tube leakage.	
Dabhol 1A	230	14/01/2010	10.00	17/01/2010	06.23	Fro commissioning of 1B.	
Dabhol 1X	290	14/01/2010	10.00	17/01/2010	19.08	For commissioning of 1B.	17/01/2010
Paras Unit 3	250	15/01/2010	01.30	17/01/2010	16.37	Economiser tube leakage.	19/01/2010
Dabhol 1B	230	15/01/2010	20.37	16/01/2010	12.27	W/D,Commissioning Work.	
Cent_Sect NTPC(V-7)	500	15/01/2010	22:05	17/01/2010	05:15	BOILER TUBE LEAKAGE	
Uran Unit 5	108	15/01/2010	23.40	16/01/2010	00.24	Boiler Damper Problem.	
Paras Unit 2	55	16/01/2010	08.10		Continued.	Due to BFP Junction Box Flashover.	23/01/2010
Koradi Unit 4	115	16/01/2010	09.20	16/01/2010	11.02	Due to Reverse Power Protection.	
Chandrapur Unit 4	210	16/01/2010	12.36	16/01/2010	16.12	Mal Functioning of Master Trip Relay.	
Nasik Unit 2	125	16/01/2010	14.25		Continued.	Boiler Tube Leakage.	19/01/2010
Uran Unit 5	108	16/01/2010	18.32	16/01/2010	21.28	Tripped.	
Cent_Sect TARAPUR-4	540	16/01/2010	20:18		Continued.	Reactor Collent Problem.	22/01/2010
Uran Unit A0	120	16/01/2010	23.58	17/01/2010	06:47	Feed Water Problem.	17/01/2010
Dabhol 1A	230	17/01/2010	06:54	17/01/2010	12.35	Drum Level Low.	17/01/2010
Koradi Unit 1	105	17/01/2010	14.26		Continued.	Boiler Tube Leakage.	
Dabhol 1B	230	17/01/2010	18.05	17/01/2010	22.10	Commission Work.	

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

Position as on 6.30 Hrs of 17/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Akola - Aurangabad - I	13/01/2010	09:58		Continued.	H/T for Normal change over.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - I	12/01/2010	12.56		Continued.	H/T as per PGCIL request.
Dhule-Sar'Sarovar - II	12/01/2010	22.22		Continued.	H/T for O/V.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 315 MVA ICT - II @ Koradi.	04/01/2010	10.38	16/01/2010	18.22	400KV Main Breaker Overhaul. H.V.side of ICT on TBC
Kalwa-Kharghar	15/01/2010	12.39		Continued.	Breaker Overhauling Work, Line on TBC.
Babaleshwar-Dhule CKT - I	16/01/2010	09.29	16/01/2010	19.17	Q.M.Work.
Dabhol - Nagothane - I	17/01/2010	14.17	17/01/2010	15.23	Cold Washing of Insulators & Tree Cutting Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Chinchwad - Telco	14/01/2010	08.27	16/01/2010	18.03	Dismanteling of 2 Nos of towers,erection of towers and restringing work at Loc.No.32 and 33.
Chinchwad-Bhosari	14/01/2010	08.28	16/01/2010	18.01	Dismanteling of 2 Nos.of towers,erection of towers and restringing work at Lo.No.32 and 33.
Nasik-Padgha	16/01/2010	08.34		Continued.	Conductor Replacement Work.
Mudshingi - Karad - IV	16/01/2010	09.50	17/01/2010	01.25	Replacement of Disc Insulator.
SPCL - IPCL	16/01/2010	11.00	16/01/2010	17.50	String Replacement by Hot Line.
Satara,MIDC-Wankuswadi 2	16/01/2010	12.45	16/01/2010	20.05	Relay Replacement Work.
Sonkar - Nerul	17/01/2010	06.12	17/01/2010	20.37	Erectin of New Tower @ Loc-686.
Tifil-Trombay	17/01/2010	07.05	17/01/2010	19.54	Erection of New Tower @ Loc-686.
100 MVA X'MER @ Ghodbandar	17/01/2010	07.23	17/01/2010	21.30	Annual Maint. & O/H of OLTC.
100 MVA X'MER @ Versova	17/01/2010	10.12	17/01/2010	12.01	To Check Bus Spouse of 33 KV SW No.3
Pedambe - Tambati	17/01/2010	10.30	17/01/2010	18.10	Replacement of Damaged Conductor.
Pedambe-Newkoyna	17/01/2010	10.45	17/01/2010	14.25	Replacement of Damaged Conductor.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	07/01/2010	18.04		Continued.	Hand Tripped To Control Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	15/01/2010	22.00	16/01/2010	08.13	Hand Tripped to Control Load @ Akola ICT
Voltage Level : 400KV			Outage Type TRIPPED		
Lonikand - Chakan	15/01/2010	19.20	16/01/2010	07.45	Tripped on Over Voltage.
400/220 KV Spare ICT @ New Koyna	17/01/2010	18.23	17/01/2010	19.37	Trip.
Voltage Level : 220KV			Outage Type TRIPPED		
Lamboti - Pandharpur	14/01/2010	20.56	16/01/2010	16.02	Conductor Snapped.
Aarey-Versova-II	17/01/2010	14.30	17/01/2010	14.45	Tripped Due to Kite Fault.

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

Position as on 6.30 Hrs of 17/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Borivali-Aarey-II	17/01/2010	16.32	17/01/2010	16.40	Tripped on Distance Protection R-Y Ph.
Trombay - Tata Tie - II	17/01/2010	20.35	17/01/2010	21.41	Pilot Wire Tripped.
Voltage Level : 132KV			Outage Type TRIPPED		
Kalmeshwar-Saoner Ckt.	16/01/2010	12.03	16/01/2010	12.10	Tripped on P.D.R.
Kalmeshwar-Saoner Ckt.	16/01/2010	12.34	16/01/2010	12.42	MCB A/R LOCK OUT.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/Jan/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	0
Unit 4	105	80
Unit 5	200	150
Unit 6	210	160
Unit 7	210	0
	1040	530
Bhusawal		
Unit 1	58	50
Unit 2	210	190
Unit 3	210	185
	478	425
Parli		
Unit 1	30	23
Unit 2	30	23
Unit 3	210	145
Unit 4	210	200
Unit 5	210	180
Unit 6	250	210
	940	781
Chandrapur		
Unit 1	210	150
Unit 2	210	170
Unit 3	210	210
Unit 4	210	210
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	2090
Paras		
Unit 2	55	0
Unit 3	250	0
	305	0
Khaparkheda		
Unit 1	210	0
Unit 2	210	195
Unit 3	210	205
Unit 4	210	195
	840	595
Nasik		
Unit 1	120	95
Unit 2	120	0
Unit 3	210	205
Unit 4	210	205
Unit 5	210	200
	870	705
Uran		
All Units	852	480
	852	480
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	320
	1920	1100
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	18
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	50
BHIRA T.R.	80	80
RNGR+BHTSA	20	14
BHANDARDRA	45	25
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	307
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	940
RGPL III	740	
	1700	940
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2848
	3143	2848