



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

State Load Dispatch Center, Airoli

Daily system Report

for

17/Jan/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 17/Jan/2010 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	118.042	2108.250	1) Madhya Pradesh	67.896	986.200
2) Hydro	10.061	150.420	2) Gujrat	12.462	344.478
3) Gas	12.705	230.737	3) Goa	-6.258	-110.372
Total MSGENCO	140.808	2489.407	4) TAPS 1&2 (Inj.)	3.666	58.618
B) OTHERS			5) Pench (Excess)	-0.871	-6.219
1) RGPPL Gas	24.723	431.701	# Total Cent. Sector	76.895	1272.705
2) Wind Generation	1.771	50.239	F) Other Exchanges		
3) PENCH (MS)	0.871	6.219	1) With TPCL	-1.668	-67.037
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	21.605	364.722	1) MSEDCL Bilateral	7.196	112.730
2) TPCL Hydro	1.478	84.520	Include PX	1.241	11.167
TOTAL TPCL	23.083	449.242	2) MUMBAI Bilateral	2.213	77.252
3) REL Thermal	12.725	216.051	Include PX	0.658	40.290
D) STATE			3) MUMBAI Schedule	2.213	78.252
1) Thermal (A1+C1+C3)	152.372	2689.023	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	12.410	241.159	1) MSEDCL	243.400	4183.234
3) Gas (A3+B1)	37.428	662.438	2) TPCL	23.958	475.568
4) Wind (B2)	1.771	50.239	3) REL	13.510	257.050
TOTAL STATE	203.981	3642.859	TOTAL STATE	280.868	4915.852

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	4917	5002	4886
MSGENCO Hydro	1073	1099	133
MSGENCO Gas	550	557	476
MSGENCO Total Generation	6540	6658	5495
Central Sector Receipt	3242	3196	2789
RGPPL	967	1000	983
WIND	31	82	85
Exchange with TPCL	-84	-170	-31
MSEDCL DEMAND MET	10743	10819	9321
Load Shedding	3460	3685	2002
MSEDCL DEMAND (INCL. LS)	14203	14504	11323
TPCL GENERATION	1142	1153	735
REL GENERATION	529	530	531
TPCL+REL DEMAND	1755	1853	1297
STATE DEMAND MET	12498	12672	10618
STATE DEMAND (INCL. LS)	15958	16357	12620
Frequency (Hz)	49.25	49.56	50.04
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4469 MW At 13.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			85.20 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.4 Hz at 06.06 Hrs	48.82 Hz at 10.26 Hrs	49.67	1.1 % 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 17/Jan/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.05	30.75	74	0	70
Unit 2	1.67	27.34	72	40	70
Unit 3	0.00	10.30	0	0	0
Unit 4	1.66	21.60	88	38	80
Unit 5	3.16	60.06	137	115	150
Unit 6	3.69	52.95	160	141	160
Unit 7	0.00	46.91	0	0	0
	11.23	249.91			530
Bhusawal					
Unit 1	1.11	14.31	51	42	50
Unit 2	4.50	58.99	192	180	190
Unit 3	4.34	73.81	188	168	185
	9.95	147.11			425
Parli					
Unit 1	0.59	9.48	26	23	23
Unit 2	0.56	9.26	24	21	23
Unit 3	3.66	47.89	160	140	145
Unit 4	4.43	78.51	200	173	200
Unit 5	4.10	67.30	180	153	180
Unit 6	4.93	92.09	230	116	210
	18.26	304.53			781
Chandrapur					
Unit 1	3.29	57.24	146	122	150
Unit 2	4.11	56.67	180	160	170
Unit 3	4.48	67.28	197	166	210
Unit 4	4.53	59.41	198	176	210
Unit 5	10.60	176.44	460	415	450
Unit 6	10.02	170.61	440	395	450
Unit 7	9.86	171.69	431	400	450
	46.89	759.34			2090
Paras					
Unit 2	0.00	15.48	0	0	0
Unit 3	0.59	70.93	102	0	0
	0.59	86.41			0
Khaparkheda					
Unit 1	0.00	22.60	0	0	0
Unit 2	4.70	78.01	204	188	195
Unit 3	5.12	83.24	214	212	205
Unit 4	5.00	81.95	216	196	195
	14.81	265.80			595
Nasik					
Unit 1	2.25	32.10	99	82	95
Unit 2	0.00	34.69	0	0	0
Unit 3	4.68	81.53	205	180	205
Unit 4	4.70	80.64	208	182	205
Unit 5	4.68	66.18	203	182	200
	16.31	295.14			705
Uran					
All Units	12.70	230.74	565	431	480
	12.70	230.74			480
Koyna					
Stage 1-2	1.67	29.54	215	30	530
Stage 4	3.16	40.99	585	0	250
Koyna 12&4 Total	4.84	70.54			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.07	14.18	92	0	320
	5.91	84.71			1100
Hydro					
KDPH	0.48	5.59	20	20	18
VTRNA	0.54	3.91	61	0	60
TILLARI	0.38	6.30	60	0	60
BHTGR/VEER	1.62	20.20	68	67	50
BHIRA T.R.	0.25	4.32	84	0	80
RNGR+BHTSA	0.28	5.31	12	11	14
BHANDARDRA	0.00	6.03	0	0	25
ELDARY	0.00	0.71	0	0	0
PAITHAN	0.06	0.91	10	0	0
GHATGHAR	0.55	12.42	120	0	0
	4.15	65.71			307
PENCH (MS)					
Pench (MS)	0.87	6.22	54	0	
	0.87	6.22			
Wind					
MalharPeth	0.07	2.01			
Vankuswadi	0.21	5.04			
ATIT	0.03	1.02			
Kale	0.10	1.66			
Satara	0.18	2.07			
Shirala	0.08	1.82			
K Mahankal	0.00	1.32			
Supa	0.05	1.27			
Vita	0.30	9.26			
Dondaicha	0.43	14.49			
Sakri	0.05	1.92			
Nandurbar	0.04	1.63			
Khadakale	0.17	4.00			
Khaparale	0.07	2.75			
	1.77	50.24			
Dabhol					
RGPP L II	24.72	431.70	1307	967	940
RGPP L III	0.00	0.00	0	0	
	24.72	431.70			940
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	19.68	0	0	0
Trombay 6	11.66	179.18	510	380	500
Trombay 7A	2.83	46.01	126	103	120
Trombay 7B	1.61	26.57	69	61	60
Trombay 8	5.50	93.27	250	150	250
TATA Hydro	1.48	84.52	205	0	447
	23.08	449.24			1377
REL					
1&2	12.72	216.05	532	528	500
	12.72	216.05			500
Cent Sect					
Share					2848
					2848

MS PG CL	Thermal	118.04	2108.25		5126
	Thml+Gas	130.75	2338.99		5606
	Hydro	10.06	150.42		1407
	Total	140.81	2489.41		7013
State Total		203.98	3642.86		12678

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/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	4852	128	479	5459	975	80	2459	3130	-47	-35	9622	2030	11652	1460	13112	49.95
2	4856	143	476	5475	981	86	2459	2940	-47	-32	9450	2069	11519	1358	12877	50.00
3	4886	133	476	5495	983	85	2459	2789	-47	-31	9321	2002	11323	1297	12620	50.04
4	4885	138	476	5499	986	82	2459	2757	-47	-27	9297	2233	11530	1282	12812	50.05
5	4825	128	432	5385	988	101	2459	2979	-47	-30	9431	2358	11789	1283	13072	50.06
6	4866	143	431	5440	985	91	2644	3264	-47	-37	9770	2605	12375	1286	13661	49.81
7	4940	138	477	5555	988	143	2886	2774	39	51	9538	3408	12946	1364	14310	49.83
8	4933	138	560	5631	980	119	2949	2940	39	52	9749	3615	13364	1431	14795	49.55
9	4969	188	564	5721	975	97	2975	3221	35	45	10099	3705	13804	1507	15311	49.48
10	4943	487	565	5995	974	54	2999	3319	-57	-42	10353	3665	14018	1641	15659	49.37
11	4930	785	555	6270	980	46	3133	3228	-57	-38	10539	3281	13820	1718	15538	49.45
12	4917	1073	550	6540	967	31	3161	3242	-101	-84	10743	3460	14203	1755	15958	49.25
13	4818	766	548	6132	971	28	3400	3535	-101	-69	10644	3410	14054	1681	15735	49.31
14	4821	731	555	6107	980	33	3406	3324	-101	-88	10403	3442	13845	1620	15465	49.28
15	4817	434	552	5803	990	63	3498	3528	-101	-83	10341	3498	13839	1585	15424	49.52
16	4867	316	555	5738	986	74	3498	3564	-101	-73	10332	3356	13688	1549	15237	49.45
17	4928	225	553	5706	990	66	3499	3527	-101	-76	10267	3342	13609	1555	15164	49.58
18	5004	342	558	5904	992	63	3214	3845	-101	-92	10765	2976	13741	1569	15310	49.64
19	5035	1040	554	6629	981	78	3094	3387	-219	-176	10952	3498	14450	1756	16206	49.65
20	5002	1099	557	6658	1000	82	3133	3196	-219	-170	10819	3685	14504	1853	16357	49.56
21	4995	605	553	6153	1204	82	3381	3507	-219	-185	10814	3405	14219	1862	16081	49.50
22	5008	401	559	5968	1273	80	3050	3152	-219	-181	10345	3423	13768	1801	15569	49.84
23	4977	264	564	5805	1287	60	3051	2950	-219	-180	9975	3157	13132	1692	14824	49.75
24	4952	216	556	5724	1307	52	2878	2798	-127	-87	9821	2007	11828	1571	13399	50.08
MUs	118.03	10.06	12.70	140.79	24.72	1.78	72.14	76.90	-2.21	-1.67	243.39	73.63	317.02	37.48	354.50	49.67

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 17/Jan/2010

Position as on 6.30 Hrs of 18/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
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
Cent_Sect NTPC(V-7)	500	15/01/2010	22:05	17/01/2010	05:15	BOILER TUBE LEAKAGE	
Paras Unit 2	55	16/01/2010	08.10		Continued.	Due to BFP Junction Box Flashover.	23/01/2010
Nasik Unit 2	125	16/01/2010	14.25		Continued.	Boiler Tube Leakage.	19/01/2010
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.	
Dabhol 1B	230	18/01/2010	03.50		Continued.	High Exhaust Temp.Speed.	18/01/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/Jan/2010

Position as on 6.30 Hrs of 18/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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		
Kalwa-Kharghar	15/01/2010	12.39		Continued.	Breaker Overhauling Work, Line on TBC.
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
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.
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 : 400KV			Outage Type TRIPPED		
400/220 KV Spare ICT @ New Koyna	17/01/2010	18.23	17/01/2010	19.37	Trip.
Voltage Level : 220KV			Outage Type TRIPPED		
Aarey-Versova-II	17/01/2010	14.30	17/01/2010	14.45	Tripped Due to Kite Fault.
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.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 18/Jan/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	70
Unit 3	105	0
Unit 4	105	70
Unit 5	200	130
Unit 6	210	140
Unit 7	210	0
	1040	410
Bhusawal		
Unit 1	58	50
Unit 2	210	190
Unit 3	210	190
	478	430
Parli		
Unit 1	30	23
Unit 2	30	23
Unit 3	210	160
Unit 4	210	200
Unit 5	210	185
Unit 6	250	230
	940	821
Chandrapur		
Unit 1	210	150
Unit 2	210	170
Unit 3	210	210
Unit 4	210	200
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	2080
Paras		
Unit 2	55	0
Unit 3	250	100
	305	100
Khaparkheda		
Unit 1	210	0
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	610
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	580
	852	580
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	20
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	68
BHIRA T.R.	80	80
RNGR+BHTSA	20	12
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	310
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	1200
RGPPPL III	740	
	1700	1200
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	3267
	3143	3267

	17616	13490
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