



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

State Load Dispatch Center, Airoli

Daily system Report

for

26/Jan/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 26/Jan/2010 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	109.454	3177.099	1) Madhya Pradesh	44.657	1473.511
2) Hydro	5.633	216.702	2) Gujrat	24.668	570.859
3) Gas	11.788	338.157	3) Goa	-5.412	-169.493
Total MSGENCO	126.875	3731.958	4) TAPS 1&2 (Inj.)	4.381	92.238
B) OTHERS			5) Pench (Excess)	-0.505	-11.831
1) RGPPL Gas	39.079	756.284	# Total Cent. Sector	67.789	1955.284
2) Wind Generation	2.055	69.075	F) Other Exchanges		
3) PENCH (MS)	0.505	11.831	1) With TPCL	0.100	-106.976
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	21.311	554.678	1) MSEDCL Bilateral	5.956	176.266
2) TPCL Hydro	2.877	133.360	Include PX	0.000	21.094
TOTAL TPCL	24.188	688.038	2) MUMBAI Bilateral	0.134	116.713
3) REL Thermal	12.716	330.492	Include PX	0.658	63.838
D) STATE			3) MUMBAI Schedule	0.134	124.473
1) Thermal (A1+C1+C3)	143.481	4062.269	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	9.015	361.893	1) MSEDCL	236.403	6417.456
3) Gas (A3+B1)	50.867	1094.441	2) TPCL	23.705	730.174
4) Wind (B2)	2.055	69.075	3) REL	13.096	395.604
TOTAL STATE	205.418	5587.678	TOTAL STATE	273.204	7543.234

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	4556	4454	4689
MSGENCO Hydro	414	487	190
MSGENCO Gas	473	474	538
MSGENCO Total Generation	5443	5415	5417
Central Sector Receipt	3156	2686	2353
RGPPL	1615	1628	1639
WIND	104	148	48
Exchange with TPCL	23	3	-3
MSEDCL DEMAND MET	10341	9930	9470
Load Shedding	2727	3382	1618
MSEDCL DEMAND (INCL. LS)	13068	13312	11088
TPCL GENERATION	1136	1363	755
REL GENERATION	528	530	531
TPCL+REL DEMAND	1641	1890	1289
STATE DEMAND MET	11982	11820	10759
STATE DEMAND (INCL. LS)	14709	15202	12377
Frequency (Hz)	49.85	49.96	49.72
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3096 MW At 07.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			57.30 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.5 Hz at 18.04 Hrs	49.02 Hz at 05.39 Hrs	49.77	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 26/Jan/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.96	43.13	88	69	70
Unit 2	1.60	42.76	72	41	70
Unit 3	0.00	10.30	0	0	0
Unit 4	1.71	38.03	83	53	50
Unit 5	2.61	87.52	154	0	150
Unit 6	3.70	86.29	160	145	150
Unit 7	4.27	72.35	201	165	170
	15.85	380.39			660
Bhusawal					
Unit 1	1.15	24.88	52	44	50
Unit 2	0.01	94.82	10	0	0
Unit 3	4.57	114.48	201	182	195
	5.73	234.18			245
Parli					
Unit 1	0.56	13.91	25	22	23
Unit 2	0.57	14.21	25	22	23
Unit 3	0.00	73.22	0	0	0
Unit 4	4.56	118.73	203	164	200
Unit 5	4.09	104.48	180	158	180
Unit 6	5.80	139.88	253	187	240
	15.58	464.43			666
Chandrapur					
Unit 1	3.50	87.07	148	142	150
Unit 2	3.94	91.65	168	158	160
Unit 3	4.56	106.75	200	184	210
Unit 4	4.64	100.58	201	184	210
Unit 5	4.93	262.94	278	164	260
Unit 6	7.38	257.66	340	285	300
Unit 7	8.06	230.52	341	319	340
	37.01	1137.16			1630
Paras					
Unit 2	1.05	19.81	46	41	40
Unit 3	4.58	100.82	218	113	216
	5.63	120.64			256
Khaparkheda					
Unit 1	0.00	22.60	0	0	0
Unit 2	4.69	119.96	202	191	190
Unit 3	4.93	120.94	211	193	210
Unit 4	5.00	126.54	214	201	210
	14.62	390.04			610
Nasik					
Unit 1	2.13	49.10	96	57	95
Unit 2	2.04	48.30	91	72	95
Unit 3	4.88	125.62	208	195	205
Unit 4	4.56	121.66	204	168	205
Unit 5	1.44	105.58	188	0	205
	15.04	450.27			805
Uran					
All Units	11.79	338.16	539	439	480
	11.79	338.16			480
Koyna					
Stage 1-2	1.20	44.44	135	30	600
Stage 4	0.00	49.18	0	0	250
Koyna 12&4 Total	1.20	93.63			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.06	19.93	54	0	240
	1.26	113.55			1090
Hydro					
KDPH	0.41	7.04	38	0	0
VTRNA	1.10	9.75	61	0	60
TILLARI	0.38	9.61	60	0	60
BHTGR/VEER	1.44	33.79	60	60	59
BHIRA T.R.	0.20	6.92	62	0	80
RNGR+BHTSA	0.36	8.20	15	15	15
BHANDARDRA	0.00	6.03	0	0	0
ELDARY	0.00	0.71	0	0	0
PAITHAN	0.06	1.36	10	0	10
GHATGHAR	0.43	19.73	125	0	0
	4.37	103.15			284
PENCH (MS)					
Pench (MS)	0.50	11.83	53	0	
	0.50	11.83			
Wind					
MalharPeth	0.12	2.98			
Vankuswadi	0.23	7.46			
ATIT	0.05	1.44			
Kale	0.06	2.24			
Satara	0.09	2.94			
Shirala	0.07	2.44			
K Mahankal	0.04	1.99			
Supa	0.04	1.82			
Vita	0.37	14.09			
Dondaicha	0.51	18.00			
Sakri	0.07	2.38			
Nandurbar	0.06	2.05			
Khadakale	0.09	5.15			
Khaparale	0.26	4.11			
	2.06	69.08			
Dabhol					
RGPP L II	39.08	756.28	1646	1606	1550
RGPP L III	0.00	0.00	0	0	
	39.08	756.28			1550
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	19.68	0	0	0
Trombay 6	11.61	279.14	510	360	500
Trombay 7A	2.74	71.91	126	5	110
Trombay 7B	1.44	41.01	69	0	70
Trombay 8	5.53	142.93	250	150	250
TATA Hydro	2.88	133.36	481	0	447
	24.19	688.04			1377
REL					
1&2	12.72	330.49	532	527	500
	12.72	330.49			500
Cent Sect					
Share					2530
					2530

MS PG CL	Thermal	109.45	3177.10		4872
	Thml+Gas	121.24	3515.26		5352
	Hydro	5.63	216.70		1374
	Total	126.88	3731.96		6726
State Total		205.42	5587.68		12683

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 26/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	4632	175	536	5343	1633	77	2689	2830	-37	-16	9867	1728	11595	1461	13056	49.60
2	4615	175	538	5328	1640	61	2693	2371	-37	-5	9395	1744	11139	1351	12490	49.76
3	4689	190	538	5417	1639	48	2657	2353	-37	-3	9470	1618	11088	1289	12377	49.72
4	4775	180	539	5494	1646	55	2653	2254	-37	-3	9473	1878	11351	1238	12589	49.85
5	4763	175	535	5473	1644	61	2627	2583	-37	-19	9769	2059	11828	1255	13083	49.68
6	4794	270	535	5599	1641	61	2627	2653	-37	-15	9992	2494	12486	1324	13810	49.35
7	4760	225	538	5523	1639	74	2829	2592	51	92	9973	3253	13226	1360	14586	49.38
8	4724	180	439	5343	1635	90	2911	2654	51	72	9847	3220	13067	1410	14477	49.36
9	4540	201	528	5269	1634	83	2906	2599	51	82	9720	2737	12457	1436	13893	49.50
10	4575	284	473	5332	1621	90	2914	3026	4	40	10162	2348	12510	1555	14065	49.40
11	4567	318	473	5358	1625	105	2853	3171	4	47	10316	2221	12537	1627	14164	49.82
12	4556	414	473	5443	1615	104	2876	3156	4	23	10341	2727	13068	1641	14709	49.85
13	4544	186	460	5190	1606	95	2940	3095	4	-24	9962	2569	12531	1608	14139	49.76
14	4575	144	454	5173	1608	63	2940	3285	4	-18	10128	2572	12700	1560	14260	49.85
15	4511	134	473	5118	1619	50	2940	3081	4	-7	9888	2681	12569	1524	14093	50.12
16	4429	134	461	5024	1616	42	2940	3491	4	-9	10164	2237	12401	1515	13916	49.99
17	4478	134	462	5074	1620	50	2940	3367	4	-48	10063	2208	12271	1536	13807	50.09
18	4437	171	462	5070	1620	87	2952	3448	4	-51	10174	2084	12258	1547	13805	49.95
19	4377	370	463	5210	1619	125	2771	3048	3	9	10021	3022	13043	1757	14800	49.79
20	4454	487	474	5415	1628	148	2785	2686	3	3	9930	3382	13312	1890	15202	49.96
21	4447	414	474	5335	1623	154	2817	2884	3	18	10061	3022	13083	1917	15000	49.73
22	4477	229	475	5181	1637	117	2845	2341	3	21	9306	2982	12288	1873	14161	50.00
23	4395	224	487	5106	1633	106	2906	2468	-84	-69	9244	2033	11277	1633	12910	49.91
24	4340	219	498	5057	1638	109	2807	2353	-37	-20	9137	1749	10886	1497	12383	50.04
MUs	109.45	5.63	11.79	126.88	39.08	2.06	67.82	67.79	-0.13	0.10	236.40	58.57	294.97	36.80	331.78	49.77

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 26/Jan/2010

Position as on 6.30 Hrs of 27/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
Khaparkheda 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
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.	19/02/2010
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.	W/Dn.	
Cent_Sect Tarapur 1	80	09/12/2009	09:22	26/01/2010	11:12	Condenser Tube Leakage.	
Parli Unit 3	210	25/01/2010	23:53		Continued.	Abnormal Hunting in governing system	28/01/2010
Bhusawal Unit 2	210	26/01/2010	00:04		Continued.	Boiler Tube Leakage	30/01/2010
Nasik Unit 5	210	26/01/2010	08:00		Continued.	B.T.L.	29/01/2010
Tata Trombay 7A	120	26/01/2010	16:50	26/01/2010	17:45	Spurious command from Gas Turbine control system.	
Tata Trombay 7B	60	26/01/2010	16:50	26/01/2010	19:23	Spurious command from Gas Turbine control system.	
Koradi Unit 5	200	26/01/2010	22:10		Continued.	I.D. Fan Problem.	29/01/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/Jan/2010

Position as on 6.30 Hrs of 27/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kolhapur - Amona	23/01/2010	08.20		Continued.	LILLO Work @ Mumewadi
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - I	12/01/2010	12.56		Continued.	H/T. SYSTEM CONSTRAINT.
Dhule-Sar'Sarovar - II	12/01/2010	22.22		Continued.	H/T for O/V at Dhule S/S.
Akola - Aurangabad - I	20/01/2010	00:45		Continued.	H/T System Constraint.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kalwa-Kharghar	15/01/2010	12.39		Continued.	Breaker Overhauling Work, Line on TBC.
400 KV Bus Coupler @ Chandrapur	18/01/2010	09.50		Continued.	Commissioning of New 400KV CGL Make Breaker
Chandrapur - Parly - 3	25/01/2010	9:45	26/01/2010	15:32	Replacement of BusII B-ph contactor by hot line.Line on TBC on own breaker.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
220/132 KV 150 MVA ICT-I at Dhule	19/01/2010	15:40		Continued.	Main CKT Breaker New Commissioning work.ICT on TBC.
220/100 KV 200 MVA T/F IV at Apta.	26/01/2010	09:03	26/01/2010	19:12	Bus section II outage at Apta.
Apta - Tambati.	26/01/2010	09:06	26/01/2010	19:39	Bus section II outage at Apta.
Apta-Uran-II	26/01/2010	09:08	26/01/2010	19:35	Bus section II outage at Apta.
Apta - Kalwa - II	26/01/2010	09:15	26/01/2010	18:53	Bus section II outage at Apta.
Apta-HOC	26/01/2010	09:20	26/01/2010	19:53	Bus section II outage at Apta.
Apta-Bombay Dyeing	26/01/2010	09:46	26/01/2010	19:36	Bus section II outage at Apta.
Apta Bus II	26/01/2010	09:58	26/01/2010	18:56	Removal of strand cut E/W and stringing of E/W.
220/132 kv,100 MVA ICT-I at Chalisgaon	26/01/2010	10:12	26/01/2010	12:23	To attend Hot spot on L V side Y-Ph isolator contact ICT on TBC.
Own Breaker 210 MW Generating Unit III at Parly - I	26/01/2010	11:45		Continued.	Breaker replacement work for 3 days.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Own BKR 400/21 KV, 600 MVA GT - VII at Chandrapur.	25/01/2010	08:12		Continued.	GT VII on TBC, Main BKR, Air leakage problem.
400/220 KV 315 MVA ICT - II @ Koradi.	26/01/2010	10:32		Continued.	L. V. side breaker air leakage hence Taken on TBC.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	25/01/2010	18.01		Continued.	Over Voltage
Voltage Level : 500KV			Outage Type TRIPPED		
HVDC Pole I Padgha	27/01/2010	05.04	27/01/2010	06.09	Main Circuit Flow Trip Alarm.
Voltage Level : 400KV			Outage Type TRIPPED		
New Koyna - Koyna Stage IV - II	26/01/2010	03.08	26/01/2010	04.35	Over Voltage
New Koyna - Koyna Stage IV - II	26/01/2010	09:46	26/01/2010	11:08	Tripped on O/V.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/Jan/2010

Position as on 6.30 Hrs of 27/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Voltage Level : 220KV			Outage Type TRIPPED		
Chandrapur-Chandrapur MIDC	26/01/2010	02:49	26/01/2010	03:18	Distance Protection operated zone - 1 Y - Ph E/F. Tripping on both end.
220/33 KV 50 MVA T/F - II at Chitegaon.	26/01/2010	08:00	26/01/2010	10:20	Tripped on O/C and E/F.
220/33KV, 25MVA T/F at Gadchandur	26/01/2010	09:50		Continued.	Bulcholz trip.
Voltage Level : 132KV			Outage Type TRIPPED		
132/33 KV 25 MVA T/F-I at Kalmeshwar	23/01/2010	10.44		Continued.	Differential Protection Operated.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 27/Jan/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	70
Unit 3	105	0
Unit 4	105	75
Unit 5	200	0
Unit 6	210	150
Unit 7	210	170
	1040	540
Bhusawal		
Unit 1	58	50
Unit 2	210	0
Unit 3	210	195
	478	245
Parli		
Unit 1	30	23
Unit 2	30	23
Unit 3	210	0
Unit 4	210	200
Unit 5	210	180
Unit 6	250	240
	940	666
Chandrapur		
Unit 1	210	150
Unit 2	210	160
Unit 3	210	210
Unit 4	210	210
Unit 5	500	200
Unit 6	500	350
Unit 7	500	350
	2340	1630
Paras		
Unit 2	55	45
Unit 3	250	225
	305	270
Khaparkheda		
Unit 1	210	0
Unit 2	210	180
Unit 3	210	185
Unit 4	210	185
	840	550
Nasik		
Unit 1	120	95
Unit 2	120	95
Unit 3	210	205
Unit 4	210	205
Unit 5	210	0
	870	600
Uran		
All Units	852	470
	852	470
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	36
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	60
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	10
PAITHAN	12	9
GHATGHAR	250	0
	611	330
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	1580
RGPPPL III	740	
	1700	1580
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	3344
	3143	3344

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