



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

State Load Dispatch Center, Airoli

Daily system Report

for

26/Apr/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 26/Apr/2009 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	113.167	3178.561	1) Madhya Pradesh	53.380	1498.999
2) Hydro	31.319	597.238	2) Gujrat	17.197	529.096
3) Gas	15.023	358.772	3) Goa	-6.037	-158.768
Total MSGENCO	159.509	4134.571	4) TAPS 1&2 (Inj.)	6.272	185.114
B) OTHERS			5) Pench (Excess)	-0.048	-4.606
1) RGPPL Gas	15.232	305.784	# Total Cent. Sector	70.764	2049.835
2) Wind Generation	4.686	164.989	F) Other Exchanges		
3) PENCH (MS)	0.048	4.878	1) With TPCL	2.885	-115.333
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	33.417	805.497	1) MSEDCL Bilateral	7.637	188.781
2) TPCL Hydro	1.146	107.483	Include PX	0.639	15.664
TOTAL TPCL	34.563	912.980	2) MUMBAI Bilateral	-1.607	142.019
3) REL Thermal	12.662	328.784	Include PX	-2.870	16.752
D) STATE			3) MUMBAI Schedule	-1.607	143.569
1) Thermal (A1+C1+C3)	159.246	4312.842	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	32.513	709.599	1) MSEDCL	253.124	6549.434
3) Gas (A3+B1)	30.255	664.556	2) TPCL	29.077	902.710
4) Wind (B2)	4.686	164.989	3) REL	15.264	454.358
TOTAL STATE	226.700	5851.986	TOTAL STATE	297.465	7906.502

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	4705	4702	4826
MSGENCO Hydro	1046	1890	855
MSGENCO Gas	644	612	651
MSGENCO Total Generation	6395	7204	6332
Central Sector Receipt	2889	3260	2796
RGPPL	636	633	638
WIND	79	223	255
Exchange with TPCL	232	-28	68
MSEDCL DEMAND MET	10231	11292	10089
Load Shedding	3819	3341	1703
MSEDCL DEMAND (INCL. LS)	14050	14633	11792
TPCL GENERATION	1418	1481	1396
REL GENERATION	527	527	529
TPCL+REL DEMAND	1713	2036	1857
STATE DEMAND MET	11944	13328	11946
STATE DEMAND (INCL. LS)	15763	16669	13649
Frequency (Hz)	49.55	49.30	49.16
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4484 MW at 10:00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			86.38 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.14 Hz at 18:02 Hrs	48.76 Hz at 05:20 Hrs	49.36	9.98 % of Time

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 26/Apr/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.54	41.98	80	41	70
Unit 2	1.76	33.02	79	64	70
Unit 3	0.13	26.95	61	0	0
Unit 4	1.70	20.70	79	54	70
Unit 5	3.06	96.46	145	107	140
Unit 6	3.31	98.08	158	108	130
Unit 7	3.08	95.43	144	110	130
	14.58	412.62			610
Bhusawal					
Unit 1	0.66	22.30	50	4	50
Unit 2	4.20	108.27	190	162	175
Unit 3	4.32	109.68	190	170	175
	9.18	240.26			400
Parli					
Unit 1	0.12	13.92	24	0	0
Unit 2	0.62	15.21	28	24	20
Unit 3	0.00	80.07	0	0	0
Unit 4	3.79	91.46	169	152	140
Unit 5	3.39	88.64	174	0	140
Unit 6	5.32	137.00	236	205	220
	13.25	426.30			520
Chandrapur					
Unit 1	4.06	105.11	175	162	170
Unit 2	4.02	103.72	171	165	170
Unit 3	4.90	120.96	210	197	210
Unit 4	0.00	90.77	0	0	0
Unit 5	8.76	228.14	425	313	400
Unit 6	3.35	217.21	400	0	400
Unit 7	9.73	229.80	468	328	400
	34.82	1095.72			1750
Paras					
Unit 2	0.68	25.43	30	26	50
Unit 3	6.06	111.60	262	242	225
	6.74	137.03			275
Khaparkheda					
Unit 1	3.62	116.15	192	0	175
Unit 2	4.43	115.22	200	166	175
Unit 3	4.61	93.01	204	178	175
Unit 4	4.71	118.74	210	180	175
	17.36	443.12			700
Nasik					
Unit 1	2.20	40.10	94	84	90
Unit 2	1.97	47.78	88	76	80
Unit 3	4.42	115.96	199	162	170
Unit 4	4.37	114.44	196	173	170
Unit 5	4.28	105.24	190	170	170
	17.24	423.52			680
Uran					
All Units	15.02	358.77	666	567	630
	15.02	358.77			630
Koyna					
Stage 1-2	5.16	99.02	470	35	600
Stage 4	17.22	319.18	1120	158	250
Koyna 12&4 Total	22.38	418.21			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	4.63	87.85	320	0	320
	27.01	506.06			1170
Hydro					
KDPH	0.60	10.98	38	0	0
VTRNA	1.22	11.51	61	0	60
TILLARI	0.34	9.80	50	0	60
BHTGR/VEER	0.91	21.57	38	38	38
BHIRA T.R.	0.19	6.11	79	0	80
RNGR+BHTSA	0.31	8.75	13	13	13
BHANDARDRA	0.00	12.34	0	0	0
ELDARY	0.00	0.30	0	0	0
PAITHAN	0.00	1.08	0	0	0
GHATGHAR	0.73	8.73	125	0	0
	4.31	91.18			251
PENCH (MS)					
Pench (MS)	0.05	4.88	12	0	0
	0.05	4.88			0
Wind					
MalharPeth	0.14	6.22			
Vankuswadi	0.31	14.38			
ATIT	0.05	2.71			
Kale	0.12	3.72			
Satara	0.12	6.41			
Shirala	0.08	5.99			
K Mahankal	0.04	2.79			
Supa	0.16	5.70			
Vita	0.95	25.05			
Dondaicha	1.74	55.91			
Sakri	0.32	9.66			
Nandurbar	0.22	7.60			
Khadakale	0.35	13.48			
Khaparale	0.08	5.38			
	4.69	164.99			
Dabhol					
RGPP L II	15.23	305.78	642	626	598
RGPP L III	0.00	0.00	0	0	0
	15.23	305.78			598
Tata					
Trombay 4	0.00	6.65	0	0	0
Trombay 5	12.12	309.30	505	505	505
Trombay 6	11.63	303.68	510	400	510
Trombay 7A	2.27	63.78	108	88	110
Trombay 7B	1.39	37.87	61	56	70
Trombay 8	6.00	84.23	252	247	215
TATA Hydro	1.15	107.48	185	0	297
	34.56	912.98			1707
REL					
1&2	12.66	328.78	530	525	500
	12.66	328.78			500
Cent Sect					
Share					3086
					3086

MS PG CL	Thermal	113.17	3178.56		4935
	Thml+Gas	128.19	3537.33		5565
	Hydro	31.32	597.24		1421
	Total	159.51	4134.57		6986
State Total		226.70	5851.99		12877

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 26/Apr/2009

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CS SHARE	CS RECPT	TPCL SCH.	TPCL NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS													
1	4788	1181	636	6605	634	263	2728	2704	9	66	10284	1699	11983	2016	13999	48.96
2	4826	855	651	6332	638	255	2777	2796	9	68	10089	1703	11792	1857	13649	49.16
3	4804	1024	656	6484	641	259	2692	2806	110	167	10357	1667	12024	1756	13780	49.30
4	4816	1221	656	6693	642	249	2547	2520	210	270	10374	1714	12088	1636	13724	49.22
5	4800	1217	655	6672	640	273	2512	2548	247	305	10438	1830	12268	1610	13878	49.04
6	4817	1323	654	6794	636	277	2518	2526	242	300	10533	2322	12855	1632	14487	48.92
7	4876	676	666	6218	638	238	2581	2698	182	240	10032	3474	13506	1633	15139	49.62
8	4880	433	665	5978	638	89	2533	2625	241	300	9630	3870	13500	1570	15070	49.38
9	4944	432	656	6032	636	51	2568	2840	241	296	9855	4081	13936	1636	15572	49.55
10	4705	1046	644	6395	636	79	2628	2889	178	232	10231	3819	14050	1713	15763	49.55
11	4647	1573	631	6851	631	87	2676	2799	125	179	10547	3291	13838	1810	15648	49.38
12	4688	1764	621	7073	631	109	2751	3010	46	100	10929	3309	14238	1875	16113	49.42
13	4751	1855	615	7221	631	79	2786	3040	19	71	11052	3185	14237	1878	16115	49.54
14	4714	1653	620	6987	632	80	2784	3011	19	68	10788	3262	14050	1846	15896	49.62
15	4713	1451	626	6790	628	94	2815	3141	-7	41	10704	3273	13977	1889	15866	49.51
16	4700	1520	622	6842	626	107	2822	3028	-7	41	10644	3445	14089	1902	15991	49.35
17	4672	1054	608	6334	632	201	3016	3184	-7	40	10391	3588	13979	1905	15884	49.57
18	4752	680	598	6030	635	210	3074	3282	39	87	10244	3386	13630	1859	15489	49.72
19	4687	890	616	6193	634	180	3116	3405	40	84	10496	3101	13597	1863	15460	49.55
20	4702	1890	612	7204	633	223	3139	3260	-75	-28	11292	3341	14633	2036	16669	49.30
21	4575	1933	603	7111	635	275	3142	3294	-75	-20	11295	3044	14339	2096	16435	49.35
22	4453	2104	568	7125	636	344	3146	3227	-76	-21	11311	2706	14017	2092	16109	49.27
23	4424	1902	567	6893	635	292	3132	3207	-53	-2	11025	2450	13475	2110	15585	49.19
24	4433	1642	577	6652	634	342	3000	2924	-54	1	10553	2158	12711	2120	14831	49.10
MUs	113.17	31.32	15.02	159.51	15.23	4.66	67.48	70.76	1.61	2.88	253.09	69.72	322.81	44.34	367.15	49.36

NOTE : ALL VALUES IN MW

TPCL Sch./Net Exch is shown with reference to MSETCL System. (+) indicates TPCL to MSETCL and (-) indicates MSETCL to TPCL. TPCL Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss for export)
Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 26/Apr/2009

Position as on 6.30 Hrs of 27/Apr/2009

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
Cent_Sect NTPC (V-1)	210	08/04/2009	21.13		Continued.	Annual Overhaul	28/04/2009
Chandrapur Unit 4	210	21/04/2009	00.05		Continued.	W/D for COH.	25/05/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	01/07/2009
Uran Unit 4	60	01/04/2008	00:00		Continued.	Gas Restriction	
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 3	60	23/10/2008	06.40		Continued.	Gas Restriction	
Dabhol 3A	230	08/11/2008	13.45		Continued.	Exhaust temp.& vibn.high	01/06/2009
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	
Dabhol 1X	290	16/03/2009	17.01		Continued.	No insurance.	
Dabhol 1A	230	16/03/2009	17.05		Continued.	No insurance.	
Tata Trombay 4	150	09/04/2009	02.10		Continued.	W/dn	
Koradi Unit 3	105	24/04/2009	10.10	26/04/2009	21.22	ID Fan Problem	
Parli Unit 3	210	25/04/2009	10:53		Continued.	Air Heater Prob.	27/04/2009
Bhusawal Unit 1	58	25/04/2009	20:19	26/04/2009	00:52	Aux.Supply Failure	
Parli Unit 1	30	26/04/2009	01:37	26/04/2009	20.13	Stator Earth Fault	
Chandrapur Unit 6	500	26/04/2009	09.28		Continued.	Boiler Tube Leakage	29/04/2009
Koyna ST - IV 4	250	26/04/2009	11.43	26/04/2009	13.58	Spill line problem	
Khaparkheda Unit 1	210	26/04/2009	20.26		Continued.	Boiler Tube Leakage	29/04/2009
Parli Unit 5	210	26/04/2009	21.18	27/04/2009	02.00	Boiler Feed Pump Problem	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 26/Apr/2009

Position as on 6.30 Hrs of 27/Apr/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Koradi-Bhilai	22/04/2009	13.26		Continued.	Line On TBC Repl.of MOCB.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Nasik-Navsari -II	25/04/2009	09:13	27/04/2009	11	Line on TBC,CB Replacement.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Akola - I	20/04/2009	17:49		Continued.	Hand Tripped
Dhule-Sar'Sarovar II	25/04/2009	00.07	26/04/2009	08.02	H/T FOR O/V
DHULE-SAR'SAROVAR-I	26/04/2009	01:07		Continued.	H/T FOR O/V
Dhule-Sar'Sarovar II	26/04/2009	22.52		Continued.	H/T FOR O/V
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
M.Bus.I at 400 KV Akola	21/04/2009	16.11	26/04/2009	18.59	Errection Of Isolator.
400/220 KV,315 MVA ICT-II at Chandrapur	25/04/2009	08.02	26/04/2009	19.08	Commissioning of CTR fire Protection Scheme.
400/220KV,105MVA Spare ICT at Chandrapur	26/04/2009	10.37		Continued.	Commissioning of CTR fire Protection Scheme.
400/220KV,315MVA ICT-I at Karad	27/04/2009	00.55		Continued.	Replacement of spare ICT
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Main Bus -I @ Boisar	20/04/2009	16:00		Continued.	Premansoon Maintenance Work.
Ambazari-Amravati	24/04/2009	16.39		Continued.	Relay Retrofitting Work.
Ambazari-Amravati	24/04/2009	16.39		Continued.	Relay Retrofitting Work.
Boisor-Versova	26/04/2009	09.09	26/04/2009	16.58	Premansoon Maintenance Work.
Trombay-Salset	26/04/2009	09.20	26/04/2009	12.24	R.M.Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Madgi-Kawlewada-II	10/02/2009	16.20		Continued.	C.B. replacement work.
Voltage Level : 500KV			Outage Type FORCED OUTAGE		
Chandrapur-Padaghe Pole - II	25/04/2009	22.32	26/04/2009	07.12	To attend oil leakage of converter T/F & Smoothing reactor.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Dabhol-NewKoyna-II	26/04/2009	12.39	26/04/2009	15.24	R.M.Work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Trombay-Kalwa	26/04/2009	12.33	26/04/2009	20.19	R.M.Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
600 MVA ICT I AT KALWA	15/04/2009	16.31		Continued.	Buchholz Alarm.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 315 MVA ICT at Akola	25/04/2009	14:21		Continued.	Tripped on Buchholz & PRV.
Koradi - Akola	27/04/2009	06.02		Continued.	TRIPPED ON O/V
Voltage Level : 220KV			Outage Type TRIPPED		
220/100KV,125MVA ICT-III at Kalwa	26/04/2009	17.20		Continued.	Tripped on Diff.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 27/Apr/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	60
Unit 2	105	70
Unit 3	105	70
Unit 4	105	70
Unit 5	200	125
Unit 6	210	150
Unit 7	210	120
	1040	665
Bhusawal		
Unit 1	58	25
Unit 2	210	175
Unit 3	210	175
	478	375
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	0
Unit 4	210	140
Unit 5	210	60
Unit 6	250	220
	940	460
Chandrapur		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	210
Unit 4	210	0
Unit 5	500	425
Unit 6	500	0
Unit 7	500	425
	2340	1400
Paras		
Unit 2	55	30
Unit 3	250	245
	305	275
Khaparkheda		
Unit 1	210	0
Unit 2	210	195
Unit 3	210	200
Unit 4	210	200
	840	595
Nasik		
Unit 1	120	90
Unit 2	120	90
Unit 3	210	180
Unit 4	210	180
Unit 5	210	180
	870	720
Uran		
All Units	852	600
	852	600
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	38
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	38
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	289
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	740	598
RGPL III	740	
	1480	598
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	3264
	3143	3264

	17396	12788
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