



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

State Load Dispatch Center, Airoli

Daily system Report

for

08/Apr/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 08/Apr/2009 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.980	1007.315	1) Madhya Pradesh	65.850	494.543
2) Hydro	13.809	142.758	2) Gujrat	24.603	178.867
3) Gas	14.527	112.957	3) Goa	-6.443	-50.679
Total MSGENCO	154.316	1263.030	4) TAPS 1&2 (Inj.)	7.256	57.902
B) OTHERS			5) Pench (Excess)	-0.075	-0.675
1) RGPPL Gas	7.698	97.688	# Total Cent. Sector	91.191	679.958
2) Wind Generation	7.917	36.166	F) Other Exchanges		
3) PENCH (MS)	0.075	0.843	1) With TPCL	-6.021	-49.686
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	31.154	244.736	1) MSEDCL Bilateral	5.568	57.192
2) TPCL Hydro	4.192	33.243	Include PX	0.008	5.819
TOTAL TPCL	35.346	277.979	2) MUMBAI Bilateral	6.933	58.709
3) REL Thermal	12.652	101.187	Include PX	0.485	15.427
D) STATE			3) MUMBAI Schedule	6.933	60.109
1) Thermal (A1+C1+C3)	169.786	1353.238	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	18.076	176.844	1) MSEDCL	255.176	2028.674
3) Gas (A3+B1)	22.225	210.645	2) TPCL	36.104	283.697
4) Wind (B2)	7.917	36.166	3) REL	17.914	145.142
TOTAL STATE	218.004	1776.893	TOTAL STATE	309.194	2457.513

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5340	5288	5282
MSGENCO Hydro	278	1052	386
MSGENCO Gas	636	596	648
MSGENCO Total Generation	6254	6936	6316
Central Sector Receipt	3817	3787	3399
RGPPL	321	320	322
WIND	251	508	222
Exchange with TPCL	-436	-293	-60
MSEDCL DEMAND MET	10207	11282	10199
Load Shedding	3949	3389	1594
MSEDCL DEMAND (INCL. LS)	14156	14671	11793
TPCL GENERATION	1436	1666	1220
REL GENERATION	528	524	531
TPCL+REL DEMAND	2400	2483	1811
STATE DEMAND MET	12607	13765	12010
STATE DEMAND (INCL. LS)	16556	17154	13604
Frequency (Hz)	49.73	49.84	49.78
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4355 Mw at 14.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			83.59 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.42 Hz at 23.41 Hrs	49.24 Hz at 05.56 Hrs	49.8	0 % 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 08/Apr/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.43	12.51	74	23	70
Unit 2	1.63	3.82	81	36	70
Unit 3	1.62	12.90	78	44	75
Unit 4	0.00	10.78	0	0	0
Unit 5	3.86	28.33	174	142	150
Unit 6	3.52	29.06	159	128	140
Unit 7	3.72	28.80	170	136	140
	15.79	126.19			645
Bhusawal					
Unit 1	0.65	3.52	30	24	25
Unit 2	4.21	33.76	191	172	175
Unit 3	4.24	34.40	191	167	180
	9.09	71.68			380
Parli					
Unit 1	0.57	4.51	24	23	20
Unit 2	0.58	4.72	26	21	20
Unit 3	3.26	26.79	146	123	140
Unit 4	3.36	27.37	160	124	150
Unit 5	3.36	28.64	157	119	150
Unit 6	5.45	42.62	242	203	220
	16.59	134.66			700
Chandrapur					
Unit 1	4.10	32.40	181	166	170
Unit 2	4.08	32.70	174	160	170
Unit 3	4.79	36.84	200	191	210
Unit 4	4.75	37.20	205	161	210
Unit 5	9.73	78.52	441	371	425
Unit 6	9.26	75.95	429	376	400
Unit 7	9.10	72.57	413	326	425
	45.80	366.18			2010
Paras					
Unit 2	1.10	8.03	48	38	45
Unit 3	4.10	29.23	252	0	225
	5.20	37.26			270
Khaparkheda					
Unit 1	4.54	36.63	202	178	185
Unit 2	4.56	36.34	199	183	185
Unit 3	4.48	36.08	194	171	185
Unit 4	4.63	37.24	201	184	185
	18.21	146.30			740
Nasik					
Unit 1	2.21	7.84	94	91	98
Unit 2	0.00	11.07	0	0	0
Unit 3	4.36	35.54	189	163	180
Unit 4	4.43	35.68	196	179	180
Unit 5	4.30	34.91	184	168	180
	15.30	125.04			638
Uran					
All Units	14.53	112.96	655	473	600
	14.53	112.96			600
Koyna					
Stage 1-2	3.48	31.22	455	35	600
Stage 4	4.61	66.14	583	0	250
Koyna 12&4 Total	8.09	97.36			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.03	20.73	160	0	320
	10.12	118.10			1170
Hydro					
KDPH	0.62	3.66	39	0	0
VTRNA		0.00	0	0	0
TILLARI	0.41	3.23	60	0	60
BHTGR/VEER	0.72	5.48	30	30	26
BHIRA T.R.	0.17	1.77	81	0	80
RNGR+BHTSA	0.34	2.63	14	14	13
BHANDARDRA	0.74	4.31	31	31	30
ELDARY	0.00	0.06	0	0	0
PAITHAN	0.06	0.29	11	0	0
GHATGHAR	0.62	3.23	120	0	0
	3.69	24.66			209
PENCH (MS)					
Pench (MS)	0.08	0.84	24	0	
	0.08	0.84			
Wind					
MalharPeth	0.24	1.87			
Vankuswadi	0.46	4.37			
ATIT	0.12	0.80			
Kale	0.14	1.38			
Satara	0.17	1.84			
Shirala	0.13	1.63			
K Mahankal	0.08	0.66			
Supa	0.14	1.56			
Vita	0.79	6.08			
Dondaicha	3.59	8.29			
Sakri	0.62	1.76			
Nandurbar	0.62	1.07			
Khadakale	0.52	3.80			
Khaparale	0.30	1.03			
	7.92	36.17			
Dabhol					
RGPP L II	7.70	97.69	324	314	300
RGPP L III	0.00	0.00	0	0	
	7.70	97.69			300
Tata					
Trombay 4	2.60	6.50	123	101	120
Trombay 5	12.12	96.28	505	500	500
Trombay 6	11.90	93.39	510	370	500
Trombay 7A	2.30	18.71	100	90	120
Trombay 7B	1.44	11.67	62	58	60
Trombay 8	0.80	18.20	133	0	0
TATA Hydro	4.19	33.24	466	0	444
	35.35	277.98			1744
REL					
1&2	12.65	101.19	532	517	500
	12.65	101.19			500
Cent Sect					
Share					3354
					3354

MS PG CL	Thermal	125.98	1007.32		5383
	Thml+Gas	140.51	1120.27		5983
	Hydro	13.81	142.76		1379
	Total	154.32	1263.03		7362
State Total		218.00	1776.89		13260

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 08/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	5266	752	638	6656	324	226	2983	3485	-251	-229	10462	1713	12175	2079	14254	49.69
2	5278	580	639	6497	323	224	2843	3324	-110	-94	10274	1722	11996	1917	13913	49.70
3	5254	623	642	6519	323	218	2800	3253	-67	-50	10263	1715	11978	1831	13809	49.64
4	5282	386	648	6316	322	222	2806	3399	-70	-60	10199	1594	11793	1811	13604	49.78
5	5327	471	651	6449	321	227	2635	3415	102	115	10527	1962	12489	1636	14125	49.55
6	5371	1200	655	7226	324	250	2645	2958	96	109	10867	2352	13219	1690	14909	49.50
7	5372	444	626	6442	323	248	2695	3015	70	84	10112	3561	13673	1741	15414	49.68
8	5440	115	622	6177	322	263	2740	3063	26	78	9903	3883	13786	1792	15578	49.99
9	5375	173	611	6159	322	382	2853	3543	-89	-44	10362	3504	13866	1975	15841	49.71
10	5340	278	636	6254	321	251	3243	3817	-474	-436	10207	3949	14156	2400	16556	49.73
11	5314	692	633	6639	320	176	3272	3866	-474	-438	10563	3324	13887	2568	16455	49.76
12	5223	593	634	6450	314	225	3270	4436	-474	-440	10985	3151	14136	2712	16848	49.76
13	5203	946	634	6783	320	217	3269	4365	-474	-437	11248	3158	14406	2691	17097	49.86
14	5138	659	592	6389	320	260	3296	4538	-479	-443	11064	3277	14341	2581	16922	49.96
15	5158	708	555	6421	319	465	3339	4349	-535	-495	11059	3336	14395	2661	17056	49.91
16	5236	517	556	6309	320	565	3363	4056	-567	-526	10724	3477	14201	2736	16937	49.83
17	5280	178	565	6023	320	596	3363	4007	-567	-528	10418	3782	14200	2719	16919	49.91
18	5134	188	570	5892	320	606	3245	3909	-449	-405	10322	3609	13931	2561	16492	49.85
19	5284	486	575	6345	320	584	3193	3789	-358	-317	10722	3277	13999	2464	16463	49.75
20	5288	1052	596	6936	320	508	3318	3787	-361	-293	11282	3389	14671	2483	17154	49.84
21	5295	766	598	6659	320	335	3281	4271	-324	-259	11350	3115	14465	2371	16836	49.85
22	5221	795	588	6604	320	271	3257	4216	-322	-256	11172	2883	14055	2261	16316	50.05
23	5055	663	563	6281	320	292	3272	4467	-393	-329	11040	2647	13687	2222	15909	49.91
24	5088	544	473	6105	320	306	3190	4270	-389	-328	10673	2240	12913	2117	15030	50.10
MUs	126.22	13.81	14.50	154.53	7.70	7.92	74.17	91.60	-6.93	-6.02	255.80	70.62	326.42	54.02	380.44	49.80

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 08/Apr/2009

Position as on 6.30 Hrs of 09/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
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.	
Cent_Sect sipat-5	500	03/04/2009	23.46		Continued.	Bearing Vibration Problem.	10/04/2009
Tata Trombay 8	250	04/04/2009	02.25	08/04/2009	11.32	Boiler Tube Leakage	
Dabhol 2X	290	05/04/2009	22:26		Continued.	Combulsion Inspection.	20/04/2009
Dabhol 2B	230	06/04/2009	00:25		Continued.	Combulsion Inspection.	20/04/2009
Nasik Unit 2	125	06/04/2009	12:00	09/04/2009	06:55	I.D.Fan Problem.	
Koradi Unit 4	115	07/04/2009	10.45		Continued.	CHP Belt Problem.	09/04/2009
Cent_Sect NTPC(V-4)	210	07/04/2009	23.57		Continued.	Boiler Tube Leakage	10/04/2009
Tata Trombay 8	250	08/04/2009	11.40	08/04/2009	12.54	Tripped drum level low.	
Tata Trombay 8	250	08/04/2009	14.17	08/04/2009	16.33	Drum Level Low	
Paras Unit 3	250	08/04/2009	17.13	08/04/2009	20.00	Coal Mill Problem	
Paras Unit 3	250	08/04/2009	20.27	08/04/2009	22.58	Generator Prot.	
Cent_Sect NTPC (V-1)	210	08/04/2009	21:13		Continued.	Annual Overhaul	28/04/2009
Uran Unit 6	108	08/04/2009	23.48		Continued.	Gas Restriction	
Tata Trombay 4	150	09/04/2009	02.10		Continued.	W/dn	
Koradi Unit 2	105	09/04/2009	05.32		Continued.	Fire in Wind Box.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 08/Apr/2009

Position as on 6.30 Hrs of 09/Apr/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
DHULE-SAR'SAROVAR-I	06/04/2009	23:38	08/04/2009	11.08	H/T FOR O/V
Dhule-Sar'Sarovar II	09/04/2009	00.03		Continued.	H/T FOR O/V
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Single Ph.105 MVA Spare ICT-II at Karad	02/03/2009	10:45		Continued.	Repl. of existing single phase ICT of 400KV ICT-I, B Ph. by Spare ICT-II
400/220 KV,105 MVA Spare ICT-I at Karad S/S.	24/03/2009	12.56		Continued.	Attending oil leakage from neutral bushing.
400/220 KV ICT-I at Parli	07/04/2009	08.10	08/04/2009	23.01	Fire Protection work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Bhugaon-Wardha	06/04/2009	10:42		Continued.	Relay Retrofitting Work.
Bale-Murud	08/04/2009	10.00	08/04/2009	12.30	Q.M. WORK
JEUR-Tembhurni	08/04/2009	10.20	08/04/2009	18.05	Repl.Of Flashover Insulator.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Madgi-Kawlewada-II	10/02/2009	16.20		Continued.	C.B. replacement work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Dhule-Chalisgaon	08/04/2009	16.32	08/04/2009	20.52	H/T Due to Sparking on Y Ph.TBC Aux.Bus Isolator Ckt.Taken On M. Brk.
220 Kv TBC at Dhule	08/04/2009	20.52		Continued.	TBC Bus Y Ph. Isolator Sparking Problem.
Voltage Level : 400KV			Outage Type TRIPPED		
spare ICT @Kalwa	07/03/2009	01.20		Continued.	Trip on PRV
600 MVA ICT I AT KALWA	31/03/2009	05.55		Continued.	Buchhloz Trip. R Ph. Unit Caught Fire.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 Kv200 MVA ICT at Kalmeshwar	08/04/2009	00.50	08/04/2009	20.14	OLTC Buchhloz Prot.Operated
132 Kv Bus at Padegaon	08/04/2009	03.35	08/04/2009	04.10	B Ph.CT Burst Of 132 KV Harsul Ckt.I
220/132 Kv200 MVA ICT at Kalmeshwar	08/04/2009	23.05		Continued.	Tripped on OLTC Buchhloz.
C'pur-Sicom-II	09/04/2009	04.40		Continued.	Trip.at Sicom End only.
C'pur-Sicom-I	09/04/2009	04.40		Continued.	Y Ph L.A.Burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 09/Apr/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	0
Unit 3	105	70
Unit 4	105	0
Unit 5	200	150
Unit 6	210	150
Unit 7	210	150
	1040	590
Bhusawal		
Unit 1	58	25
Unit 2	210	175
Unit 3	210	180
	478	380
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	135
Unit 4	210	135
Unit 5	210	135
Unit 6	250	220
	940	665
Chandrapur		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	210
Unit 4	210	210
Unit 5	500	425
Unit 6	500	400
Unit 7	500	400
	2340	1985
Paras		
Unit 2	55	45
Unit 3	250	130
	305	175
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	180
Unit 4	210	180
	840	720
Nasik		
Unit 1	120	90
Unit 2	120	0
Unit 3	210	180
Unit 4	210	190
Unit 5	210	180
	870	640
Uran		
All Units	852	500
	852	500
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	36
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	30
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	30
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	251
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	300
RGPL III	740	
	1480	300
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3352
	3143	3352

	17396	13105
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