



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Apr/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Apr/2009 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	124.248	2480.103	1) Madhya Pradesh	59.716	1150.863
2) Hydro	18.972	446.226	2) Gujrat	20.408	433.809
3) Gas	7.663	270.429	3) Goa	-6.107	-121.924
Total MSGENCO	150.883	3196.758	4) TAPS 1&2 (Inj.)	7.077	143.610
B) OTHERS			5) Pench (Excess)	-0.088	-3.105
1) RGPPL Gas	15.337	214.375	# Total Cent. Sector	81.006	1603.253
2) Wind Generation	13.995	115.767	F) Other Exchanges		
3) PENCH (MS)	0.088	3.377	1) With TPCL	-7.810	-94.880
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	27.990	620.641	1) MSEDCL Bilateral	5.441	150.396
2) TPCL Hydro	5.811	80.112	Include PX	0.226	13.354
TOTAL TPCL	33.801	700.753	2) MUMBAI Bilateral	8.339	114.555
3) REL Thermal	12.585	253.007	Include PX	1.790	17.817
D) STATE			3) MUMBAI Schedule	8.339	116.105
1) Thermal (A1+C1+C3)	164.823	3353.751	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	24.871	529.715	1) MSEDCL	253.499	5041.859
3) Gas (A3+B1)	23.000	484.804	2) TPCL	36.211	697.012
4) Wind (B2)	13.995	115.767	3) REL	17.983	351.599
TOTAL STATE	226.689	4484.037	TOTAL STATE	307.693	6090.470

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5217	5227	5185
MSGENCO Hydro	893	1085	643
MSGENCO Gas	234	455	137
MSGENCO Total Generation	6344	6767	5965
Central Sector Receipt	3521	3677	2842
RGPPL	640	639	640
WIND	471	596	681
Exchange with TPCL	-519	-454	-13
MSEDCL DEMAND MET	10457	11248	10115
Load Shedding	3259	3232	1598
MSEDCL DEMAND (INCL. LS)	13716	14480	11713
TPCL GENERATION	1620	1540	1153
REL GENERATION	522	521	526
TPCL+REL DEMAND	2661	2515	1692
STATE DEMAND MET	13118	13763	11807
STATE DEMAND (INCL. LS)	16377	16995	13405
Frequency (Hz)	49.41	49.61	49.42
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3892 MW At 14.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			75.57 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.4 Hz at 13.02 Hrs	48.82 Hz at 11.13 Hrs	49.53	1.99 % 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 20/Apr/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.78	32.45	81	68	70
Unit 2	1.84	22.37	82	71	70
Unit 3	0.00	23.29	0	0	0
Unit 4	0.00	17.08	0	0	0
Unit 5	3.98	75.14	179	135	180
Unit 6	3.98	76.22	181	150	180
Unit 7	3.86	74.60	184	141	150
	15.44	321.15			650
Bhusawal					
Unit 1	1.01	16.55	56	22	50
Unit 2	4.14	83.37	176	168	180
Unit 3	4.14	84.38	177	162	175
	9.29	184.30			405
Parli					
Unit 1	0.52	11.12	22	21	20
Unit 2	0.57	11.70	25	22	20
Unit 3	3.42	64.83	149	132	140
Unit 4	3.55	69.71	155	143	140
Unit 5	3.52	67.43	163	140	140
Unit 6	5.51	106.86	242	215	220
	17.09	331.66			680
Chandrapur					
Unit 1	4.15	80.54	177	166	170
Unit 2	4.03	80.44	171	146	170
Unit 3	4.74	91.86	210	54	210
Unit 4	3.57	90.77	202	58	200
Unit 5	8.77	180.75	415	330	375
Unit 6	8.03	177.04	384	300	350
Unit 7	8.77	179.65	420	340	400
	42.06	881.04			1875
Paras					
Unit 2	1.15	19.69	50	44	45
Unit 3	5.74	76.84	258	212	230
	6.89	96.53			275
Khaparkheda					
Unit 1	4.24	90.42	182	169	175
Unit 2	4.23	88.58	180	170	175
Unit 3	4.26	74.69	182	174	175
Unit 4	4.27	91.03	182	172	175
	17.00	344.72			700
Nasik					
Unit 1	2.18	26.83	96	88	90
Unit 2	1.69	35.79	95	8	90
Unit 3	4.18	89.70	178	167	180
Unit 4	4.24	88.71	181	172	180
Unit 5	4.19	79.67	178	167	180
	16.48	320.70			720
Uran					
All Units	7.66	270.43	455	0	360
	7.66	270.43			360
Koyna					
Stage 1-2	3.18	76.69	365	40	600
Stage 4	8.74	234.64	808	0	250
Koyna 12&4 Total	11.92	311.32			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.80	65.65	214	0	320
	14.73	376.97			1170
Hydro					
KDPH	0.91	10.07	39	38	38
VTRNA	1.20	4.32	61	0	60
TILLARI	0.13	7.65	60	0	60
BHTGR/VEER	0.98	15.95	41	40	40
BHIRA T.R.	0.27	4.43	81	0	80
RNGR+BHTSA	0.35	6.78	15	14	16
BHANDARDRA	0.00	12.34	5	0	28
ELDARY	0.00	0.30	0	0	0
PAITHAN	0.06	0.85	11	0	0
GHATGHAR	0.34	6.56	125	0	0
	4.25	69.26			322
PENCH (MS)					
Pench (MS)	0.09	3.38	24	0	
	0.09	3.38			
Wind					
MalharPeth	0.41	4.75			
Vankuswadi	0.67	11.21			
ATIT	0.12	2.05			
Kale	0.18	2.92			
Satara	0.28	4.57			
Shirala	0.38	4.62			
K Mahankal	0.38	2.04			
Supa	0.12	4.30			
Vita	2.01	17.73			
Dondaicha	6.48	36.75			
Sakri	0.94	6.28			
Nandurbar	0.85	5.14			
Khadakale	0.50	9.73			
Khaparale	0.65	3.67			
	14.00	115.77			
Dabhol					
RGPP L II	15.34	214.38	643	635	580
RGPP L III		0.00	0	0	
	15.34	214.38			580
Tata					
Trombay 4	0.00	6.65	0	0	0
Trombay 5	12.12	236.60	505	505	500
Trombay 6	12.24	231.42	510	510	500
Trombay 7A	2.22	49.41	106	71	120
Trombay 7B	1.41	29.96	62	53	60
Trombay 8	0.00	66.60	0	0	0
TATA Hydro	5.81	80.11	466	0	447
	33.80	700.75			1627
REL					
1&2	12.58	253.01	528	519	500
	12.58	253.01			500
Cent Sect					
Share					3262
					3262

MS PG CL	Thermal	124.25	2480.10		5305
	Thml+Gas	131.91	2750.53		5665
	Hydro	18.97	446.23		1492
	Total	150.88	3196.76		7157
State Total		226.69	4484.04		13126

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/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	5178	999	0	6177	641	660	2988	3269	-237	-228	10519	1615	12134	2038	14172	49.52
2	5205	685	70	5960	641	599	2854	2867	-101	-91	9976	1618	11594	1825	13419	49.43
3	5185	643	137	5965	640	681	2787	2842	-54	-13	10115	1598	11713	1692	13405	49.42
4	5213	735	265	6213	641	640	2728	2921	26	68	10483	1613	12096	1609	13705	49.46
5	5186	969	285	6440	642	629	2738	2822	52	93	10626	1829	12455	1573	14028	49.46
6	5294	744	304	6342	643	762	2824	2773	-1	36	10556	2249	12805	1640	14445	49.23
7	5372	233	298	5903	639	655	2892	2863	-25	9	10069	3485	13554	1708	15262	49.54
8	5392	195	366	5953	640	475	3013	2661	-122	-81	9648	3857	13505	1789	15294	49.53
9	5375	208	189	5772	639	517	3327	3246	-193	-156	10018	3768	13786	2030	15816	49.48
10	5330	390	235	5955	637	464	3409	3560	-500	-470	10146	3800	13946	2412	16358	49.54
11	5217	893	234	6344	640	471	3432	3521	-548	-519	10457	3259	13716	2661	16377	49.41
12	5166	1222	236	6624	640	487	3529	3683	-618	-614	10820	3216	14036	2770	16806	49.46
13	5196	1213	401	6810	635	446	3576	3893	-642	-630	11154	3162	14316	2786	17102	49.87
14	5151	687	316	6154	637	445	3515	4259	-595	-584	10911	3294	14205	2670	16875	50.00
15	5004	923	381	6308	636	490	3534	3922	-618	-603	10753	3253	14006	2757	16763	49.85
16	4841	721	437	5999	636	591	3564	3757	-648	-631	10352	3480	13832	2769	16601	49.63
17	4893	550	449	5892	635	714	3543	3835	-602	-607	10469	3816	14285	2720	17005	49.50
18	4996	705	455	6156	639	691	3474	3496	-523	-522	10460	3553	14013	2622	16635	49.77
19	5215	689	455	6359	638	792	3428	3467	-435	-434	10845	3095	13940	2487	16427	49.55
20	5227	1085	455	6767	639	596	3530	3677	-480	-454	11248	3232	14480	2515	16995	49.61
21	5225	1275	455	6955	641	442	3465	3471	-385	-372	11161	3029	14190	2428	16618	49.50
22	5241	1216	455	6912	639	659	3459	3426	-374	-364	11290	2739	14029	2329	16358	49.26
23	5107	1098	416	6621	641	573	3438	3616	-358	-319	11132	2375	13507	2208	15715	49.43
24	5000	894	367	6261	638	514	3352	3227	-357	-324	10316	2076	12392	2158	14550	49.21
MUs	124.21	18.97	7.66	150.84	15.34	13.99	78.40	81.07	-8.34	-7.81	253.52	69.01	322.54	54.20	376.73	49.53

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 20/Apr/2009

Position as on 6.30 Hrs of 21/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.	
Cent_Sect sipat-5	500	03/04/2009	23.46	20/04/2009	03.40	Bearing Vibration Problem.	
Tata Trombay 4	150	09/04/2009	02.10		Continued.	W/dn	
Koradi Unit 3	105	14/04/2009	22.07		Continued.	Wind Box& Boiler House Casing Leakages.	22/04/2009
Tata Trombay 8	250	18/04/2009	01.51		Continued.	Boiler Tube Leakage	22/04/2009
Koradi Unit 4	115	19/04/2009	09:32		Continued.	Coal Shortage	22/04/2009
Uran Unit 6	108	19/04/2009	22.45	20/04/2009	01:57	U7 BPh.P.T.Burst.	
Uran Unit 7	108	19/04/2009	22.45		Continued.	U7 BPh.P.T.Burst.	
Uran Unit A0	120	19/04/2009	22.45	20/04/2009	04:58	U7 BPh.P.T.Burst.	
Uran Unit B0	120	19/04/2009	22.45	20/04/2009	09:03	U7 BPh.P.T.Burst.	
Uran Unit 8	108	19/04/2009	22.45	20/04/2009	01:24	U7 BPh.P.T.Burst.	
Uran Unit 5	108	19/04/2009	22:45	20/04/2009	03:35	U7 BPh.P.T.Burst.	
Uran Unit 6	108	20/04/2009	08:50	20/04/2009	12:29	Gas Restriction	
Uran Unit A0	120	20/04/2009	08:50	20/04/2009	12:09	Gas Restriction	
Nasik Unit 2	125	20/04/2009	15:10	20/04/2009	16:50	Control Supply Failed.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Apr/2009

Position as on 6.30 Hrs of 21/Apr/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Wardha - Akola - I	20/04/2009	00:01	20/04/2009	14:25	IN SERVICE.
Wardha - Akola - II	20/04/2009	00:01	20/04/2009	17:53	IN SERVICE.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
DHULE-SAR'SAROVAR-I	19/04/2009	15:41		Continued.	H/T FOR O/V
Wardha - Akola - I	20/04/2009	17:49		Continued.	Hand Tripped
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Mudshingi-Ponda	20/04/2009	08:50	20/04/2009	12:45	To attend fault of Tillary-Ponda Line.
Mudshingi-Ponda	20/04/2009	16:55	20/04/2009	18:45	To attend fault of Tillary-Ponda Line.
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 KV TBC at Bhusawal	05/04/2009	22.30		Continued.	Y Pole Oil Leakage.
400/220KV, 315MVA ICT-I @ New Koyna.	20/04/2009	10:20	20/04/2009	18:02	R.M.Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Theur-Phursungi-I	16/04/2009	10.30		Continued.	Relay Retrofitting Work.
Talandge - Sawantwadi	20/04/2009	08:14	20/04/2009	17:40	Q.M. WORK
220/6.6 kv,40 MVA,Stn.T/F-I @ C'PUR	20/04/2009	10:10	20/04/2009	18:10	Testing Work
Ambazari-Wardha	20/04/2009	11:21		Continued.	Relay Retrofitting Work.
M.B. at Halkarni	20/04/2009	11:35	20/04/2009	20:20	Jumpering work and Maint
220 Main.Bus.-II @ Talandge.	20/04/2009	12:50		Continued.	Jumpering work and Maint
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Madgi-Kawlewada-II	10/02/2009	16.20		Continued.	C.B. replacement work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
600 MVA ICT I AT KALWA	15/04/2009	16.31		Continued.	Buchholz Alarm.
Voltage Level : 220KV			Outage Type TRIPPED		
Khaparkhedha-Kawlewada-II	14/04/2009	21.57		Continued.	Tripped on Distance protection
TILLARY-PHONDA	16/04/2009	13.05		Continued.	Trip. dist. prot. B ph
URAN_HOCL	19/04/2009	22.45	20/04/2009	02:15	U7 B Ph P.T. Burst.Bus fault.
220/22 KV 25 MVA T/F I @ Uran	19/04/2009	22.45	20/04/2009	03:58	Bus Fault
220/22 25 MVA T/F-II @ Uran	19/04/2009	22.45	20/04/2009	00.05	Bus Fault
Uran - JNPT	19/04/2009	22.45	20/04/2009	00.02	Bus Fault
Uran-ONGC	19/04/2009	22.45	20/04/2009	00.03	Bus Fault
Uran - Khargar - I	19/04/2009	22.45	20/04/2009	00:40	U7 B Ph P.T. Burst.Bus fault.
Uran-Apta-II	19/04/2009	22.45	20/04/2009	02:04	U7 B Ph P.T. Burst.Bus fault.
Chalisgaon-BSL-I	20/04/2009	03:10	20/04/2009	04:22	BPh C.T. Burst. Bus fault.
Bhusawal-Chalisgaon-II	20/04/2009	03:10	20/04/2009	04:09	BPh C.T. Burst. Bus fault.
BBLSWR-CHLSGN	20/04/2009	03:10	20/04/2009	19:35	B Phase CT Burst
Chalisgaon - Malegaon	20/04/2009	03:10	20/04/2009	04:30	BPh C.T. Burst. Bus fault.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Apr/2009

Position as on 6.30 Hrs of 21/Apr/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Dhule-Chalisgaon	20/04/2009	03:10	20/04/2009	04:52	BPh C.T. Burst. Bus fault.
220/132KV 100MVA ICT-I at Chalisgaon	20/04/2009	03:10	20/04/2009	04:09	BPh C.T. Burst. Bus fault.
220/132KV 100MVA ICT-II at Chalisgaon	20/04/2009	03:10	20/04/2009	04:14	BPh C.T. Burst. Bus fault.
K'gaon-Pirangut	21/04/2009	02:00	21/04/2009	03:05	Tripped ,Dist.Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Chalisgaon-Pimperkhed	20/04/2009	03:10	20/04/2009	03:15	Shifted on Nasik.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Apr/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	75
Unit 3	105	0
Unit 4	105	0
Unit 5	200	150
Unit 6	210	150
Unit 7	210	150
	1040	600
Bhusawal		
Unit 1	58	25
Unit 2	210	180
Unit 3	210	175
	478	380
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	140
Unit 4	210	140
Unit 5	210	140
Unit 6	250	220
	940	680
Chandrapur		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	210
Unit 4	210	0
Unit 5	500	375
Unit 6	500	350
Unit 7	500	400
	2340	1675
Paras		
Unit 2	55	45
Unit 3	250	240
	305	285
Khaparkheda		
Unit 1	210	175
Unit 2	210	175
Unit 3	210	175
Unit 4	210	175
	840	700
Nasik		
Unit 1	120	90
Unit 2	120	90
Unit 3	210	170
Unit 4	210	170
Unit 5	210	170
	870	690
Uran		
All Units	852	420
	852	420
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	60
TILLARI	60	60
BHTGR/VEER	21	38
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	5
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	292
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	580
RGPL III	740	
	1480	580
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3638
	3143	3638