



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

State Load Dispatch Center, Airoli

Daily system Report

for

24/Apr/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 24/Apr/2009 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	115.187	2946.855	1) Madhya Pradesh	57.964	1391.588
2) Hydro	23.537	537.468	2) Gujrat	11.543	498.325
3) Gas	15.194	328.740	3) Goa	-6.480	-146.280
Total MSGENCO	153.918	3813.063	4) TAPS 1&2 (Inj.)	7.028	171.807
B) OTHERS			5) Pench (Excess)	-0.460	-4.424
1) RGPPL Gas	15.191	275.366	# Total Cent. Sector	69.595	1911.016
2) Wind Generation	7.242	154.034	F) Other Exchanges		
3) PENCH (MS)	0.460	4.696	1) With TPCL	-2.326	-117.825
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	32.976	737.750	1) MSEDCL Bilateral	6.620	174.147
2) TPCL Hydro	5.363	102.885	Include PX	0.048	15.024
TOTAL TPCL	38.339	840.635	2) MUMBAI Bilateral	3.519	142.048
3) REL Thermal	12.641	303.471	Include PX	-0.792	21.608
D) STATE			3) MUMBAI Schedule	3.519	143.598
1) Thermal (A1+C1+C3)	160.804	3988.076	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	29.360	645.049	1) MSEDCL	244.080	6044.878
3) Gas (A3+B1)	30.385	604.106	2) TPCL	35.690	839.707
4) Wind (B2)	7.242	154.034	3) REL	17.616	422.195
TOTAL STATE	227.791	5391.265	TOTAL STATE	297.386	7306.780

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	5036	4978	4627
MSGENCO Hydro	312	1419	867
MSGENCO Gas	649	632	645
MSGENCO Total Generation	5997	7029	6139
Central Sector Receipt	3236	3147	2418
RGPPL	634	632	635
WIND	342	295	271
Exchange with TPCL	-354	-204	128
MSEDCL DEMAND MET	9855	10922	9614
Load Shedding	4052	3696	1681
MSEDCL DEMAND (INCL. LS)	13907	14618	11295
TPCL GENERATION	1502	1756	1436
REL GENERATION	525	524	528
TPCL+REL DEMAND	2381	2484	1836
STATE DEMAND MET	12236	13406	11450
STATE DEMAND (INCL. LS)	16288	17102	13131
Frequency (Hz)	49.25	49.23	49.14
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4328 MW AT 17.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			81.02 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.02 Hz at 06.06 Hrs	48.77 Hz at 23.04 Hrs	49.21	14.58 % 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 24/Apr/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.71	38.88	79	63	70
Unit 2	1.88	29.47	85	68	70
Unit 3	0.78	26.82	78	0	70
Unit 4	0.12	17.20	66	0	0
Unit 5	3.74	89.79	168	136	170
Unit 6	3.99	91.10	180	150	170
Unit 7	3.91	88.88	178	144	150
	16.14	382.13			700
Bhusawal					
Unit 1	1.24	20.61	57	44	50
Unit 2	4.13	100.02	176	162	175
Unit 3	4.15	101.24	186	164	175
	9.52	221.88			400
Parli					
Unit 1	0.54	13.26	24	21	20
Unit 2	0.57	14.02	26	22	20
Unit 3	3.44	78.62	151	132	140
Unit 4	3.57	84.02	162	139	140
Unit 5	3.54	81.58	153	143	140
Unit 6	5.31	126.36	238	181	220
	16.98	397.86			680
Chandrapur					
Unit 1	4.12	97.03	178	162	170
Unit 2	3.65	95.62	172	100	105
Unit 3	4.99	111.13	213	199	210
Unit 4	0.00	90.77	0	0	0
Unit 5	7.07	210.61	365	145	300
Unit 6	6.97	205.46	361	182	300
Unit 7	7.49	211.32	370	269	325
	34.28	1021.94			1410
Paras					
Unit 2	1.06	24.08	53	28	45
Unit 3	6.03	99.42	263	202	250
	7.09	123.50			295
Khaparkheda					
Unit 1	4.64	108.21	201	178	200
Unit 2	4.59	106.43	196	176	195
Unit 3	0.00	85.95	0	0	0
Unit 4	4.92	109.42	210	199	200
	14.16	410.01			595
Nasik					
Unit 1	2.19	35.70	96	81	90
Unit 2	2.15	44.07	95	84	90
Unit 3	4.24	107.31	191	167	170
Unit 4	4.22	105.75	186	169	170
Unit 5	4.22	96.69	183	170	180
	17.02	389.52			700
Uran					
All Units	15.19	328.74	666	590	630
	15.19	328.74			630
Koyna					
Stage 1-2	2.52	90.67	290	35	600
Stage 4	14.38	284.17	1062	0	250
Koyna 12&4 Total	16.90	374.84			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	3.27	78.95	284	0	320
	20.16	453.79			1170
Hydro					
KDPH	0.00	10.38	0	0	0
VTRNA	1.20	9.14	61	0	60
TILLARI	0.34	9.11	50	0	60
BHTGR/VEER	0.91	19.75	38	38	38
BHIRA T.R.	0.25	5.62	83	0	80
RNGR+BHTSA	0.31	8.13	13	13	15
BHANDARDRA	0.00	12.34	0	0	0
ELDARY	0.00	0.30	0	0	0
PAITHAN	0.06	1.08	10	0	0
GHATGHAR	0.30	7.83	125	0	0
	3.37	83.68			253
PENCH (MS)					
Pench (MS)	0.46	4.70	47	0	
	0.46	4.70			
Wind					
MalharPeth	0.22	5.89			
Vankuswadi	0.46	13.65			
ATIT	0.10	2.55			
Kale	0.08	3.50			
Satara	0.21	5.89			
Shirala	0.39	5.72			
K Mahankal	0.10	2.68			
Supa	0.29	5.18			
Vita	1.63	22.61			
Dondaicha	2.26	52.58			
Sakri	0.40	9.04			
Nandurbar	0.24	7.18			
Khadakale	0.72	12.43			
Khaparale	0.14	5.14			
	7.24	154.03			
Dabhol					
RGPP L II	15.19	275.37	640	625	598
RGPP L III		0.00	0	0	
	15.19	275.37			598
Tata					
Trombay 4	0.00	6.65	0	0	0
Trombay 5	12.12	285.06	505	505	500
Trombay 6	12.22	279.83	510	485	500
Trombay 7A	2.48	58.91	109	100	120
Trombay 7B	1.44	34.99	62	58	60
Trombay 8	4.72	72.32	248	0	250
TATA Hydro	5.36	102.88	466	0	447
	38.34	840.64			1877
REL					
1&2	12.64	303.47	529	524	500
	12.64	303.47			500
Cent Sect					
Share					3262
					3262

MS PG CL	Thermal	115.19	2946.86		4780
	Thml+Gas	130.38	3275.60		5410
	Hydro	23.54	537.47		1423
	Total	153.92	3813.06		6833
State Total		227.79	5391.26		13070

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 24/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	4520	1126	636	6282	635	253	2833	2689	-13	35	9941	1679	11620	2024	13644	49.06
2	4627	867	645	6139	635	271	2756	2418	76	128	9614	1681	11295	1836	13131	49.14
3	4667	751	650	6068	635	477	2636	2626	206	261	10090	1654	11744	1689	13433	49.09
4	4669	711	653	6033	637	394	2557	2539	285	343	9969	1684	11653	1602	13255	49.30
5	4740	861	652	6253	637	500	2531	2493	311	370	10276	1842	12118	1594	13712	49.13
6	4866	923	658	6447	638	512	2571	2532	272	318	10470	2350	12820	1626	14446	49.15
7	4897	208	666	5771	640	479	2693	2429	241	299	9640	3731	13371	1633	15004	49.43
8	4978	147	661	5786	640	362	2847	2525	129	182	9495	4108	13603	1745	15348	49.36
9	5002	188	646	5836	637	322	2975	2751	-52	1	9547	4067	13614	2009	15623	49.23
10	5036	312	649	5997	634	342	3295	3236	-401	-354	9855	4052	13907	2381	16288	49.25
11	4865	600	616	6081	631	306	3206	3123	-397	-350	9791	3758	13549	2634	16183	49.22
12	4740	1237	610	6587	625	271	3200	3007	-397	-353	10137	3628	13765	2651	16416	49.09
13	4667	1613	608	6888	630	133	3214	3095	-397	-357	10412	3560	13972	2683	16655	49.26
14	4627	1499	611	6737	630	85	3238	3144	-397	-359	10260	3511	13771	2577	16348	49.34
15	4698	1279	616	6593	626	111	3226	3238	-384	-347	10244	3652	13896	2654	16550	49.17
16	4677	1302	616	6595	627	125	3241	3227	-439	-429	10168	3840	14008	2675	16683	49.19
17	4729	941	622	6292	630	228	3265	3212	-511	-471	9914	4227	14141	2646	16787	49.34
18	4756	906	626	6288	630	290	3143	3190	-392	-347	10074	4030	14104	2510	16614	49.26
19	4918	1122	630	6670	632	319	3161	3074	-359	-311	10407	3409	13816	2449	16265	49.26
20	4978	1419	632	7029	632	295	3244	3147	-260	-204	10922	3696	14618	2484	17102	49.23
21	4951	1495	635	7081	632	279	3260	3142	-244	-178	10979	3438	14417	2437	16854	49.23
22	4904	1431	636	6971	632	327	3264	3200	-244	-181	10972	3164	14136	2326	16462	49.18
23	4866	1336	630	6832	632	288	3099	2889	-76	-9	10655	2346	13001	2246	15247	49.03
24	4809	1263	590	6662	634	274	2963	2669	-75	-13	10249	2064	12313	2195	14508	48.98
MUs	115.19	23.54	15.19	153.92	15.19	7.24	72.42	69.60	-3.52	-2.33	244.08	75.17	319.25	53.31	372.56	49.21

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 24/Apr/2009

Position as on 6.30 Hrs of 25/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 4	115	19/04/2009	09:32	24/04/2009	21.31	Coal Shortage	
Khaparkheda Unit 3	210	23/04/2009	15.03	25/04/2009	05.50	Boiler Tube Leakage	
Cent_Sect NTPC(V-10)	500	23/04/2009	20.55	25/04/2009	23:00	Boiler Tube Leakage	
Koyna ST - IV 3	250	24/04/2009	04.33	24/04/2009	10.28	Excitation Problem.	
Tata Trombay 8	250	24/04/2009	15.20	24/04/2009	17.21	Coal Mill Problem	
Khaparkheda Unit 3	210	25/04/2009	07:39	25/04/2009	09:45	Drum Level high	
Parli Unit 3	210	25/04/2009	10:53		Continued.	Air Heater Prob.	27/04/2009

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/Apr/2009

Position as on 6.30 Hrs of 25/Apr/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised 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 : 400KV			Outage Type HAND TRIPPED		
DHULE-SAR'SAROVAR-I	19/04/2009	15:41	25/04/2009	07:05	H/T FOR O/V
Wardha - Akola - I	20/04/2009	17:49		Continued.	Hand Tripped
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400 KV TBC at Bhusawal	05/04/2009	22.30	25/04/2009	15:55	Y Pole Oil Leakage.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Main Bus -I @ Boisar	20/04/2009	16:00		Continued.	Premansoon Maintenance Work.
220/100KV,100MVA ICT-IV at K'gaon	24/04/2009	08.45	24/04/2009	14.22	Q.M. WORK
220/66KV,150MVA ICT-I at Gadchandur	24/04/2009	09.10	24/04/2009	15.15	Maintenance work
Theur - Jejuri	24/04/2009	09.20	24/04/2009	13.15	Q.M. WORK
220/132KV,100MVA ICT-II at Padegaon	24/04/2009	09.20	24/04/2009	15.20	Replacement of HV C.T.
Padgha-Jambhul-I	24/04/2009	09.43	24/04/2009	16.48	Bay Maintenance work.
Mahad-Nagothane	24/04/2009	10.25	24/04/2009	18.35	Q.M. WORK
Tifil-Trombay	24/04/2009	12.10	24/04/2009	17.27	To attend Oil Leakage.
220/132KV 100MVA ICT-I at Chalisgaon	24/04/2009	12.15	24/04/2009	16.17	Maintanance work
ABAD-BBLSWR	24/04/2009	12.20	24/04/2009	16.35	CRM Testing Work.
Ambazari-Amravati	24/04/2009	16.39		Continued.	Relay Retrofitting Work.
Ambazari-Amravati	24/04/2009	16.39		Continued.	Relay Retrofitting Work.
Bblswr-Anagar Ckt.II	25/04/2009	08:54	25/04/2009	17:32	Q.M. WORK
Nagothane-MSL	25/04/2009	09:12	25/04/2009	16:13	Q.M. WORK
Main Bus - I @ Jejuri	25/04/2009	10:15	25/04/2009	19:05	Isolator Maintenance work
Bableshwar-Bhenda	25/04/2009	11:57	25/04/2009	17:07	Testing Work
220/100KV, 100 MVA ICT-II @ Taloja.	25/04/2009	14:00	25/04/2009	18:05	R.M.Work.
Borivali-Boisar	25/04/2009	14:07	25/04/2009	18:43	Isolator Maintenance work
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 FORCED OUTAGE		
Akola-koradi	24/04/2009	10.42	24/04/2009	13.45	To attend hot spot
New Koyna - StageIV - I	24/04/2009	11.15	24/04/2009	14.09	Line on TBC. CB Gas filling
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/132KV,100MVA ICT-I at Parbhani	24/04/2009	14.44	24/04/2009	18.26	Heavy sparking on LV CT
220/22 KV, 50 MVA T/F-II @ Lonikand.	25/04/2009	08:43	25/04/2009	12:50	Isolator Sparking.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
600 MVA ICT I AT KALWA	15/04/2009	16.31		Continued.	Buchholz Alarm.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Parbhani-Purna	24/04/2009	14.35	24/04/2009	15.19	H/T for Emergency outage on ICT-I at Parbhani

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 24/Apr/2009

Position as on 6.30 Hrs of 25/Apr/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Parbhani-Jintur	24/04/2009	14.35	24/04/2009	15.53	H/T for Emergency outage on ICT-I at Parbhani
Parbhani-Parthur	24/04/2009	14.36	24/04/2009	15.49	H/T for Emergency outage on ICT-I at Parbhani
Parbhani - Pathri	24/04/2009	14.39	24/04/2009	15.20	H/T for Emergency outage on ICT-I at Parbhani
Voltage Level : 400KV			Outage Type TRIPPED		
Parli-Lonikhand CKT II	24/04/2009	15.46	24/04/2009	17.33	Tripped on Distance protection
Dabhol-NewKoyna-II	25/04/2009	13:46	25/04/2009	20:25	Tripped ,Dist.Prot.
400/220 KV 315 MVA ICT at Akola	25/04/2009	14:21		Continued.	Tripped on Buchholz & PRV.
Parli-Lonikhand CKT II	25/04/2009	17:25	25/04/2009	18:06	Tripped ,Dist.Prot.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 Kv200 MVA ICT at Kalmeshwar	22/04/2009	05.28	24/04/2009	08.44	Y Ph.OLTC Buchholz & T/F Internal Fault.
Kandalgaon-Khargar	24/04/2009	14.41	24/04/2009	15.01	Tripped on Distance protection
Koradi-Butibori	25/04/2009	12:46	25/04/2009	13:01	Tripped ,Dist.Prot.
Parly - Harangul - I	25/04/2009	14:16	25/04/2009	14:27	Tripped ,Dist.Prot.
Parly - Harangul - II.	25/04/2009	14:16	25/04/2009	14:27	Tripped on Back Up Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 25/Apr/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	80
Unit 3	105	0
Unit 4	105	70
Unit 5	200	150
Unit 6	210	150
Unit 7	210	150
	1040	680
Bhusawal		
Unit 1	58	50
Unit 2	210	175
Unit 3	210	175
	478	400
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	400
Unit 6	500	400
Unit 7	500	400
	2340	1750
Paras		
Unit 2	55	50
Unit 3	250	225
	305	275
Khaparkheda		
Unit 1	210	190
Unit 2	210	195
Unit 3	210	50
Unit 4	210	200
	840	635
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	630
	852	630
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	0
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	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		
RGPPPL II	740	598
RGPPPL III	740	
	1480	598
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	110
Trombay 7B	60	60
Trombay 8	250	240
TATA Hydro	444	447
	2024	1857
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3076
	3143	3076