



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Apr/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Apr/2009 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	124.480	3627.251	1) Madhya Pradesh	48.121	1713.199
2) Hydro	19.773	722.788	2) Gujrat	24.977	617.877
3) Gas	15.070	418.948	3) Goa	-6.562	-186.339
Total MSGENCO	159.323	4768.987	4) TAPS 1&2 (Inj.)	3.301	204.961
B) OTHERS			5) Pench (Excess)	0.175	-4.146
1) RGPPL Gas	8.016	357.296	# Total Cent. Sector	70.012	2345.552
2) Wind Generation	11.378	198.536	F) Other Exchanges		
3) PENCH (MS)	0.585	5.843	1) With TPCL	1.612	-121.002
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	33.775	940.846	1) MSEDCL Bilateral	7.170	217.531
2) TPCL Hydro	3.597	130.060	Include PX	0.000	15.664
TOTAL TPCL	37.372	1070.906	2) MUMBAI Bilateral	-0.319	151.531
3) REL Thermal	12.649	379.314	Include PX	-2.582	12.471
D) STATE			3) MUMBAI Schedule	-0.319	153.081
1) Thermal (A1+C1+C3)	170.904	4947.411	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	23.955	858.691	1) MSEDCL	250.926	7560.887
3) Gas (A3+B1)	23.086	776.244	2) TPCL	31.760	1045.420
4) Wind (B2)	11.378	198.536	3) REL	16.647	525.764
TOTAL STATE	229.323	6780.882	TOTAL STATE	299.333	9132.071

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	5380	5124	5176
MSGENCO Hydro	366	1176	519
MSGENCO Gas	627	612	644
MSGENCO Total Generation	6373	6912	6339
Central Sector Receipt	3017	3291	2654
RGPPL	321	362	340
WIND	189	611	651
Exchange with TPCL	65	-105	60
MSEDCL DEMAND MET	10012	11094	10067
Load Shedding	3412	3655	1657
MSEDCL DEMAND (INCL. LS)	13424	14749	11724
TPCL GENERATION	1672	1618	1417
REL GENERATION	526	527	527
TPCL+REL DEMAND	2133	2250	1884
STATE DEMAND MET	12145	13344	11951
STATE DEMAND (INCL. LS)	15557	16999	13608
Frequency (Hz)	49.13	49.21	49.01
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4077 Mw at 20.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			76.70 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
49.71 Hz at 14.04 Hrs	48.69 Hz at 00.12 Hrs	49.19	15.21 % 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 30/Apr/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	42.99	0	0	0
Unit 2	1.77	39.62	81	57	70
Unit 3	1.61	33.30	78	42	70
Unit 4	1.66	26.98	79	51	70
Unit 5	3.75	108.56	185	138	180
Unit 6	3.64	113.61	170	130	170
Unit 7	3.76	110.92	174	140	160
	16.19	475.97			720
Bhusawal					
Unit 1	0.58	24.70	26	22	25
Unit 2	4.15	125.19	187	168	175
Unit 3	4.17	127.00	180	168	175
	8.90	276.88			375
Parli					
Unit 1	0.54	16.16	24	22	20
Unit 2	0.57	17.64	25	22	20
Unit 3	1.76	85.84	149	0	160
Unit 4	3.73	106.91	164	149	160
Unit 5	3.79	103.09	170	140	150
Unit 6	5.24	157.47	232	192	220
	15.64	487.11			730
Chandrapur					
Unit 1	4.20	121.36	179	169	170
Unit 2	4.00	119.77	174	92	170
Unit 3	5.02	140.88	210	203	210
Unit 4	0.00	90.77	0	0	0
Unit 5	9.81	266.14	430	362	400
Unit 6	9.96	231.97	429	396	400
Unit 7	11.00	273.12	470	433	450
	43.98	1244.01			1800
Paras					
Unit 2	0.58	28.01	30	0	45
Unit 3	5.20	128.93	230	205	200
	5.79	156.95			245
Khaparkheda					
Unit 1	4.30	124.44	186	175	175
Unit 2	4.26	122.96	181	175	175
Unit 3	4.25	111.64	181	175	175
Unit 4	4.35	137.70	188	175	175
	17.16	496.75			700
Nasik					
Unit 1	2.06	44.39	93	77	90
Unit 2	2.07	56.19	92	75	90
Unit 3	4.24	133.81	184	170	180
Unit 4	4.26	132.58	185	171	180
Unit 5	4.19	122.62	180	170	180
	16.82	489.59			720
Uran					
All Units	15.07	418.95	656	545	600
	15.07	418.95			600
Koyna					
Stage 1-2	2.90	116.20	295	45	600
Stage 4	9.73	390.69	845	0	250
Koyna 12&4 Total	12.64	506.89			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.53	106.58	234	0	320
	15.17	613.47			1170
Hydro					
KDPH	0.90	14.60	38	37	36
VTRNA	1.26	16.41	61	0	60
TILLARI	0.38	11.08	50	0	60
BHTGR/VEER	1.09	25.81	47	45	47
BHIRA T.R.	0.33	7.42	84	0	80
RNGR+BHTSA	0.34	10.08	15	13	14
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	0.30	10.18	120	0	0
	4.60	109.32			297
PENCH (MS)					
Pench (MS)	0.58	5.84	47	0	0
	0.58	5.84			0
Wind					
MalharPeth	0.32	7.18			
Vankuswadi	0.63	16.51			
ATIT	0.12	3.12			
Kale	0.30	4.48			
Satara	0.30	7.31			
Shirala	0.27	6.89			
K Mahankal	0.19	3.26			
Supa	0.19	6.62			
Vita	1.55	29.84			
Dondaicha	4.80	69.58			
Sakri	0.70	12.00			
Nandurbar	0.72	9.48			
Khadakale	0.73	15.72			
Khaparale	0.56	6.56			
	11.38	198.54			
Dabhol					
RGPP L II	8.02	357.30	362	314	598
RGPP L III	0.00	0.00	0	0	0
	8.02	357.30			598
Tata					
Trombay 4	0.00	6.65	0	0	0
Trombay 5	12.12	357.77	505	505	500
Trombay 6	12.04	352.16	510	440	500
Trombay 7A	2.22	72.68	104	82	100
Trombay 7B	1.36	43.33	60	55	60
Trombay 8	6.03	108.26	253	250	250
TATA Hydro	3.60	130.06	358	0	447
	37.37	1070.91			1857
REL					
1&2	12.65	379.31	529	524	500
	12.65	379.31			500
Cent Sect					
Share					3216
					3216

MS PG CL	Thermal	124.48	3627.25		5290
	Thml+Gas	139.55	4046.20		5890
	Hydro	19.77	722.79		1467
	Total	159.32	4768.99		7357
State Total		229.32	6780.88		13528

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/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	5112	684	641	6437	340	758	2807	2728	9	57	10343	1651	11994	2078	14072	48.93
2	5176	519	644	6339	340	651	2745	2654	9	60	10067	1657	11724	1884	13608	49.01
3	5139	777	650	6566	327	622	2670	2721	89	147	10406	1603	12009	1782	13791	49.17
4	5158	1020	651	6829	328	576	2608	2635	168	225	10616	1569	12185	1686	13871	49.22
5	5210	1087	645	6942	326	585	2587	2586	210	266	10706	1983	12689	1634	14323	48.99
6	5284	980	648	6912	328	652	2634	2505	179	229	10626	2229	12855	1692	14547	49.07
7	5354	282	656	6292	332	557	2645	2531	168	217	9929	3498	13427	1689	15116	49.43
8	5376	211	650	6237	329	330	2655	2715	156	213	9824	3859	13683	1663	15346	49.20
9	5355	273	641	6269	328	149	2696	2968	112	169	9894	3690	13584	1772	15356	49.28
10	5388	285	628	6301	325	178	2839	3098	-33	17	9966	3561	13527	1966	15493	49.22
11	5380	366	627	6373	321	189	2829	3017	14	65	10012	3412	13424	2133	15557	49.13
12	5377	721	627	6725	321	218	2827	3116	14	62	10489	3389	13878	2239	16117	49.19
13	5245	1294	628	7167	314	198	2823	3142	14	60	10928	3404	14332	2253	16585	49.24
14	5232	1238	632	7102	329	319	2819	3032	14	63	10892	3366	14258	2180	16438	49.32
15	5138	905	632	6675	337	327	2825	2940	5	60	10382	3386	13768	2210	15978	49.28
16	5115	840	631	6586	342	471	2880	3020	-48	8	10450	3426	13876	2207	16083	49.24
17	5063	530	618	6211	357	555	2885	2798	-48	4	9948	3680	13628	2188	15816	49.29
18	5101	552	613	6266	354	500	2855	3040	8	61	10232	3559	13791	2120	15911	49.38
19	5143	734	617	6494	352	637	2959	3115	-6	48	10657	3396	14053	2104	16157	49.32
20	5124	1176	612	6912	362	611	3236	3291	-161	-105	11094	3655	14749	2250	16999	49.21
21	5110	1359	605	7074	336	612	3244	3143	-161	-99	11109	3341	14450	2248	16698	49.28
22	5062	1391	609	7062	330	538	3243	3167	-148	-89	11031	3092	14123	2191	16314	49.14
23	5039	1426	545	7010	330	590	3252	3226	-124	-66	11113	2541	13654	2128	15782	49.13
24	4959	1123	550	6632	328	554	3133	2826	-121	-60	10303	2237	12540	2112	14652	48.97
MUs	124.64	19.77	15.00	159.41	8.02	11.38	68.70	70.01	0.32	1.61	251.02	71.18	322.20	48.41	370.61	49.19

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 30/Apr/2009

Position as on 6.30 Hrs of 01/May/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	30/04/2009	02.38	Annual Overhaul	
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 1	105	27/04/2009	22.07		Continued.	Condensor Tube Leakage	30/04/2009
Cent_Sect NTPC(V-4)	210	28/04/2009	10.15		Continued.	Boiler Tube Leakage	
Cent_Sect Tarapur 1	80	29/04/2009	11.18		Continued.	Condensor Tube Leakage	03/05/2009
Dabhol 3X	290	29/04/2009	22.36		Continued.	Differential Expansion problem.	
Parli Unit 3	210	30/04/2009	12.03		Continued.	Boiler Tube Leakage	
Dabhol 3B	230	30/04/2009	20.08		Continued.	Differential Expansion problem.	
Paras Unit 2	55	30/04/2009	21.00		Continued.	Clincker Formation.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 30/Apr/2009

Position as on 6.30 Hrs of 01/May/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 : 400KV			Outage Type HAND TRIPPED		
DHULE-SAR'SAROVAR-I	27/04/2009	23.55		Continued.	H/T FOR O/V
Wardha - Akola - I	29/04/2009	17.49		Continued.	H/T FOR O/V
Dhule-Sar'Sarovar II	01/05/2009	02.07		Continued.	H/T FOR O/V
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400 KV TBC at Parly-II	07/04/2009	00.00		Continued.	Compressor Problem.
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	30/04/2009	22.39	Kept on humming
80 MVAR Bus Reactor at Nagothane	28/04/2009	10.02		Continued.	Oil Filtration Work.
400/220KV ICT-I at Lonikand	30/04/2009	07.50	30/04/2009	18.03	C.T.Replacement
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 kv,100 MVA ICT at Chitegaon	29/04/2009	09.02		Continued.	Oil filtration
Lonikand-Khadki	30/04/2009	08.38	30/04/2009	12.40	Tan Delta Measurment.
Uran-ONGC	30/04/2009	10.41	30/04/2009	17.51	Isolator Replacement
Lonikhand-Theur CKT.I	30/04/2009	10.45	30/04/2009	14.03	Q.M. WORK
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Madgi-Kawlewada-II	10/02/2009	16.20		Continued.	C.B. replacement work.
Arvi-Talegaon	29/04/2009	16.49	30/04/2009	15.59	Relay Retrofitting Work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
220 KV Own Brk..of 315 MVA ICT at Akola	23/04/2009	15.50		Continued.	Breaker Problem
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
KALWA-SALSETE-III	30/04/2009	00.34	30/04/2009	04.35	Attending hot spot.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Uppalwadi-Pardi	30/04/2009	19.05	01/05/2009	06.00	Hand Tripped
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 315 MVA ICT at Akola	25/04/2009	14.21	30/04/2009	18.50	Kept on humming
Voltage Level : 220KV			Outage Type TRIPPED		
Kolhapur-Sawantwadi	29/04/2009	07.14		Continued.	Tripped on Dist.Prot.
Chinchwad-Parvati	29/04/2009	22.07	30/04/2009	02.37	'R'Ph.wave trap jumper broken at Parvati end.
Voltage Level : 132KV			Outage Type TRIPPED		
Ambazari-Arvi	30/04/2009	13.05	30/04/2009	14.17	Tripped on Dist.Prot.
Paras-Malegaon	30/04/2009	14.55	30/04/2009	15.20	Tripped on Dist.Prot.
Kalmeshwar-Katol	30/04/2009	15.33		Continued.	Insulator String Broken.
Buldhana-Chikhali	30/04/2009	18.20	30/04/2009	21.25	Tripped on Dist.Prot.
Buldana-Motala	30/04/2009	18.20	30/04/2009	20.15	Tripped on Dist.Prot.
Kanhan-Pardi	01/05/2009	05.11	01/05/2009	05.45	Tripped

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 30/Apr/2009

Position as on 6.30 Hrs of 01/May/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Ambazari-Pardi	01/05/2009	05.11	01/05/2009	05.43	Tripped
Besa-Pardi	01/05/2009	05.11		Continued.	R PH LA Burst

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/May/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	70
Unit 3	105	70
Unit 4	105	70
Unit 5	200	140
Unit 6	210	150
Unit 7	210	150
	1040	650
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	150
Unit 5	210	150
Unit 6	250	220
	940	560
Chandrapur		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	210
Unit 4	210	0
Unit 5	500	425
Unit 6	500	425
Unit 7	500	450
	2340	1850
Paras		
Unit 2	55	30
Unit 3	250	200
	305	230
Khaparkheda		
Unit 1	210	175
Unit 2	210	175
Unit 3	210	175
Unit 4	210	175
	840	700
Nasik		
Unit 1	120	85
Unit 2	120	90
Unit 3	210	170
Unit 4	210	180
Unit 5	210	180
	870	705
Uran		
All Units	852	620
	852	620
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	45
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	296
PENCH (MS)		
Pench (MS)	53	0
	53	0
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	0
	1480	300
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	100
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1857
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2910
	3143	2910