



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

State Load Dispatch Center, Airoli

Daily system Report

for

09/Apr/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 09/Apr/2010 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.742	1098.989	1) Madhya Pradesh	54.263	438.040
2) Hydro	25.810	229.901	2) Gujrat	24.378	247.205
3) Gas	15.249	130.401	3) Goa	-6.754	-59.951
Total MSGENCO	157.801	1459.291	4) TAPS 1&2 (Inj.)	3.566	45.789
B) OTHERS			5) Pench (Excess)	-0.512	-3.438
1) RGPPL Gas	38.100	336.051	# Total Cent. Sector	74.941	667.645
2) Wind Generation	7.500	55.524	F) Other Exchanges		
3) CPP	5.383	40.346	1) With TPCL (Excess)	-8.337	-60.762
4) PENCH (MS)	0.512	3.438	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	7.419	45.632
1) TPCL Thermal	32.127	272.020	Include PX	0.000	17.257
2) TPCL Hydro	6.184	41.123	2) MUMBAI Bilateral	8.853	66.752
TOTAL TPCL	38.311	313.143	Include PX	1.812	7.918
3) REL Thermal	12.531	113.087	3) MUMBAI Schedule	8.853	66.752
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	161.400	1484.096	1) MSEDCL	275.900	2501.533
2) Hydro (A2+B3+C2)	32.506	274.462	2) TPCL	38.005	316.540
3) Gas (A3+B1)	53.349	466.452	3) REL	21.174	170.437
4) Wind (B2)	7.500	55.524	TOTAL STATE	335.079	2988.510
5) CPP (B3)	5.383	40.346			
TOTAL STATE	260.138	2320.880			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4922	4975	4587
MSGENCO Hydro	1128	1619	1314
MSGENCO Gas	633	646	635
MSGENCO Total Generation	6683	7240	6536
Central Sector Receipt	3363	3249	2948
RGPPL	1535	1512	1711
WIND	169	342	196
CPP	235	240	211
Exchange with TPCL	-627	-399	-139
MSEDCL DEMAND MET	11368	12209	11514
Load Shedding	3992	3962	1642
MSEDCL DEMAND (INCL. LS)	15360	16171	13156
TPCL GENERATION	1827	1831	1320
REL GENERATION	524	519	524
TPCL+REL DEMAND	2978	2749	1983
STATE DEMAND MET	14346	14958	13497
STATE DEMAND (INCL. LS)	18338	18920	15139
Frequency (Hz)	49.09	49.10	49.00
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4586 MW at 15.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			89.32 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
49.88 Hz at 09.04 Hrs	48.61 Hz at 21.27 Hrs	49.07	42.57 % 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 09/Apr/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.72	15.48	76	63	75
Unit 2	1.52	13.30	67	55	60
Unit 3	1.63	14.68	79	57	70
Unit 4	1.49	13.60	71	47	70
Unit 5	3.98	21.81	177	153	170
Unit 6	4.26	35.52	185	166	180
Unit 7	4.78	41.98	205	190	200
	19.38	156.35			825
Bhusawal					
Unit 1	1.21	9.04	52	50	50
Unit 2	4.48	38.32	198	172	195
Unit 3	4.40	39.38	190	178	195
	10.10	86.74			440
Parli					
Unit 1	0.52	4.76	23	20	22
Unit 2	0.38	4.46	24	0	0
Unit 3	0.00	0.00	0	0	0
Unit 4	2.73	32.83	132	95	110
Unit 5	4.20	38.19	192	149	185
Unit 6	4.98	51.95	255	0	250
Unit 7	0.00	14.53	0	0	
	12.80	146.71			567
Chandrapur					
Unit 1	0.00	23.81	0	0	0
Unit 2	3.79	19.72	172	145	150
Unit 3	3.95	36.03	178	156	180
Unit 4	4.66	40.12	202	188	190
Unit 5	10.21	89.82	459	377	450
Unit 6	0.00	0.32	0	0	0
Unit 7	10.52	92.21	454	410	450
	33.14	302.04			1420
Paras					
Unit 2	1.04	8.93	47	40	46
Unit 3	5.42	51.66	245	209	221
Unit 4	2.65	19.55	134	94	
	9.11	80.14			267
Khaparkheda					
Unit 1	4.90	44.22	214	191	192
Unit 2	4.44	40.52	188	177	172
Unit 3	0.04	32.56	43	0	0
Unit 4	4.54	43.52	195	184	195
	13.92	160.83			559
Nasik					
Unit 1	2.21	20.39	98	86	100
Unit 2	1.97	19.16	88	76	90
Unit 3	4.87	43.76	208	200	210
Unit 4	4.52	40.90	198	172	190
Unit 5	4.72	41.97	208	173	210
	18.29	166.17			800
Koyna					
Stage 1-2	4.99	43.78	485	35	600
Stage 4	12.34	111.80	1003	0	250
Stage 3	3.86	32.88	316	0	320
	21.19	188.47			1170
Kovna 12&4 Total	17.33	155.58			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.25	130.40	646	630	640
		15.25	130.40			640
Hydro						
KDPH		0.91	4.22	38	38	38
VTRNA		1.22	10.03	61	0	61
TILLARI		0.38	3.29	60	0	60
BHTGR/VEER		0.12	1.76	6	5	17
BHIRA T.R.		0.39	2.15	80	0	80
RNGR+BHTSA		0.29	2.67	14	2	13
BHANDARDRA		0.71	6.48	30	29	15
ELDARY		0.00	1.07	0	0	0
SMLHY PTN		0.61	6.08	26	25	15
GHATGHAR		0.00	3.69	0	0	0
		4.62	41.43			299
PENCH (MS)						
Pench (MS)		0.51	3.44	51	0	
		0.51	3.44			
Wind						
MalharPeth		0.16	1.71			
Vankuswadi		0.38	3.87			
ATIT		0.11	1.57			
Kale		0.22	1.69			
Satara		0.40	2.96			
Shirala		0.20	1.70			
K Mahankal		0.01	1.22			
Supa		0.14	1.62			
Vita		0.71	8.26			
Dondaicha		3.41	19.60			
Sakri		0.55	3.44			
Nandurbar		0.49	2.88			
Khadakale		0.30	3.40			
Khaparale		0.42	1.60			
		7.50	55.52			
CPP						
TOTAL CPP		5.38	40.35			
		5.38	40.35			
Dabhol						
RGPPL		38.10	336.05	1713	1505	1700
		38.10	336.05			1700
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		9.96	89.64	415	415	420
Trombay 6		11.76	90.66	510	350	500
Trombay 7A		2.80	25.50	118	115	120
Trombay 7B		1.58	14.33	67	64	60
Trombay 8		6.02	51.89	255	250	250
TATA Hydro		6.18	41.12	471	0	447
		38.31	313.14			1797
REL						
1&2		12.53	113.09	525	519	500
		12.53	113.09			500
Cent Sect						
Share						3236
						3236
MS PG CL	Thermal	116.74	1098.99			4878
	Thml+Gas	131.99	1229.39			5518
	Hydro	25.81	229.90			1469
	Total	157.80	1459.29			6987
State Total		260.14	2320.88			14222

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 09/Apr/2010

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	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	4625	1801	630	7056	1702	178	213	2891	3140	-155	-149	12159	1763	13922	2251	16173	48.95
2	4584	1358	633	6575	1705	183	212	2891	3142	-155	-142	11726	1791	13517	2072	15589	49.00
3	4587	1314	635	6536	1711	196	211	2891	2948	-155	-139	11514	1642	13156	1983	15139	49.00
4	4690	1207	634	6531	1713	245	212	2859	2725	-155	-124	11302	2067	13369	1876	15245	48.98
5	4731	1175	634	6540	1705	288	202	2848	2827	-155	-120	11442	2209	13651	1843	15494	49.03
6	4827	1078	634	6539	1707	261	206	2849	2879	-155	-98	11494	2560	14054	1857	15911	48.91
7	4927	420	636	5983	1704	278	211	2947	2712	-63	-41	10847	3970	14817	1891	16708	49.00
8	4967	207	637	5811	1704	317	209	3008	2718	-62	-49	10710	4218	14928	1958	16886	49.08
9	4972	214	635	5821	1673	301	237	3096	2643	-179	-161	10514	4406	14920	2216	17136	49.17
10	4929	345	632	5906	1572	249	234	3482	3371	-558	-518	10814	4358	15172	2588	17760	49.16
11	4938	830	631	6399	1543	172	233	3397	3542	-463	-514	11375	3988	15363	2854	18217	49.22
12	4922	1128	633	6683	1535	169	235	3488	3363	-558	-627	11368	3992	15360	2978	18338	49.09
13	4933	952	633	6518	1512	185	233	3531	3387	-605	-598	11288	3940	15228	2949	18177	49.21
14	4950	898	633	6481	1505	391	239	3506	3449	-605	-586	11530	3895	15425	2903	18328	49.25
15	4889	867	638	6394	1505	397	236	3413	3335	-606	-627	11291	4061	15352	2923	18275	49.11
16	4872	782	631	6285	1510	492	228	3378	3320	-606	-581	11254	3927	15181	2924	18105	49.05
17	4840	715	636	6191	1507	630	221	3384	3431	-606	-589	11391	3976	15367	2885	18252	49.24
18	4889	1016	637	6542	1510	551	234	3342	3290	-537	-521	11606	3523	15129	2779	17908	49.23
19	4990	1084	637	6711	1511	426	235	3137	2892	-411	-362	11426	3780	15206	2706	17912	49.14
20	4975	1619	646	7240	1512	342	240	3249	3249	-411	-399	12209	3962	16171	2749	18920	49.10
21	4967	1826	645	7438	1512	300	238	3216	2985	-364	-306	12204	3606	15810	2616	18426	48.98
22	4967	1531	636	7134	1517	353	222	3215	3098	-364	-297	12078	3631	15709	2520	18229	49.00
23	4920	1739	635	7294	1513	287	216	3228	3243	-377	-311	12293	2884	15177	2450	17627	48.91
24	4862	1705	638	7205	1512	311	226	3316	3256	-546	-478	12083	1984	14067	2408	16475	48.98
MUs	116.7 5	25.81	15.25	157.81	38.10	7.50	5.38	76.56	74.94	-8.85	-8.34	275.92	80.13	356.05	59.18	415.23	49.07

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 09/Apr/2010

Position as on 6.30 Hrs of 10/Apr/2010

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)	30/04/2010
Parli Unit 3	210	11/03/2010	03.45		Continued.	Annual overhaul	17/04/2010
Chandrapur Unit 6	500	01/04/2010	01.15		Continued.	Annual Overhaul	30/04/2010
Cent_Sect NTPC(V-2)	210	01/04/2010	23.20		Continued.	Annual Overhaul	01/05/2010
Cent_Sect NTPC(K-1)	210	01/04/2010	23.52		Continued.	Annual Overhaul	01/05/2010
Cent_Sect Kawas GT2A	106	05/04/2010	00.11		Continued.	Combustion inspection.	09/04/2010
Chandrapur Unit 1	210	08/04/2010	08.36		Continued.	Annual Overhaul	03/05/2010
FORCED OUTAGE							
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Tata Trombay 4	150	01/12/2009	19:16		Continued.	W/Dn.	
Uran Unit 3	60	05/03/2010	09.49		Continued.	Gas Restriction.	
Parli Unit 7	250	04/04/2010	17.16		Continued.	Flame/Failure.	12/04/2010
Cent_Sect Tarapur 1	80	04/04/2010	21.25		Continued.	Condensor Tube Leakage.	09/04/2010
Parli Unit 2	30	08/04/2010	11.20	09/04/2010	06.55	Header line valve leakage	
Khaparkheda Unit 3	210	08/04/2010	18.41	09/04/2010	23.11	Boiler Tube Leakage	
Parli Unit 6	250	08/04/2010	21.18	09/04/2010	03.01	Furnance pressure high	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 09/Apr/2010

Position as on 6.30 Hrs of 10/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalmeshwar - Pandurna	09/04/2010	08.40	09/04/2010	17.39	Maint.work
Boiser-Taps	09/04/2010	08.42	09/04/2010	18.31	Maint.work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	26/03/2010	17.33		Continued.	H/T.
Akola - Aurangabad - II	31/03/2010	15.43	09/04/2010	12.39	Over Voltage.
Akola - Aurangabad - I	09/04/2010	13.00		Continued.	To control Aurangabad ICT loading.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha - Nagothane - I	09/04/2010	07.25	09/04/2010	11.45	Testing work
Padgha - BBLSWR - II	09/04/2010	11.59	09/04/2010	19.42	Insulator replacement
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV,100 MVA ICT-I At Kalmeshwar	20/02/2010	10.34		Continued.	ICT replacement work.
220/132 KV 100 MVA ICT-II @ Chikali	07/04/2010	17.50		Continued.	Outage for replacement by 200 MVA ICT
220/132 KV,100 MVA T/F-II @ Malegaon	08/04/2010	08.55		Continued.	ICT to be replaced with new 200MVA ICT
220/132 KV,100MVA ICT-I at Beed	08/04/2010	09.15		Continued.	Agumentation of 100 MVA ICT by 200 MVA ICT
Warora-Hinganghat	09/04/2010	08.07	09/04/2010	17.39	Replacement of broken earth wire.
Jindal - Ghatghar	09/04/2010	08.50		Continued.	Conductor replacement work
220/100KV 100MVA T/F at K'gaon	09/04/2010	09.05	09/04/2010	12.15	R.M.Work
220 KV MainBus-II at 400KV Kalwa	09/04/2010	10.49	09/04/2010	Continued.	Replacement of 29B Isolator
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
132 KV Interconnector I at Bhusawal	07/04/2010	10.47		Continued.	Q.M.Work
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220KV 315MVA ICT-I at Kharghar	06/04/2010	14.10		Continued.	L.V.side breaker on TBC(Own breaker overhauling work.
Chandrapur-parli - III	10/04/2010	06:13		Continued.	Line maintenance work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Koradi - Kaparkheda	25/03/2010	19:50		Continued.	H/T.
Bhusawal- Aurangabad	27/03/2010	18:22	09/04/2010	15.46	H/T for O/V.
Khadka - Deepnagar - II	31/03/2010	16.13		Continued.	Handtripped
Kolhapur-Jaigad-I	06/04/2010	17.35		Continued.	H/T
Bhusawal- Aurangabad	09/04/2010	20.45		Continued.	To control A'Bad ICT Loading
Voltage Level : 220KV			Outage Type HAND TRIPPED		
220/22 KV 50 MVA T/F - I @ Airoli	02/04/2010	23.02		Continued.	Hand Tripped.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Buldhana-Motala	07/04/2010	10.00		Continued.	To control load ICT-I at 220KV Chikhali
Mehkar - Malegaon	07/04/2010	17.26		Continued.	Outage of ICT-II at Chikhali
Voltage Level : 220KV			Outage Type TRIPPED		
Borivali-Boisar	10/04/2010	04:48		Continued.	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 09/Apr/2010

Position as on 6.30 Hrs of 10/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 132KV			Outage Type TRIPPED		
132/3.3 KV 6 MVA Stn T/F @ Paras	15/03/2010	16.16		Continued.	B Ph C T Burst.
132 KV Interconnector - I @ Bhusawal	07/04/2010	10.55		Continued.	Y phase CT Burst
Giravali-Gangakhed	09/04/2010	00.31	09/04/2010	13.15	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 10/Apr/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	65
Unit 3	105	70
Unit 4	105	70
Unit 5	200	160
Unit 6	210	180
Unit 7	210	200
	1040	820
Bhusawal		
Unit 1	58	50
Unit 2	210	180
Unit 3	210	195
	478	425
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	0
Unit 4	210	130
Unit 5	210	180
Unit 6	250	250
Unit 7	250	
	1190	604
Chandrapur		
Unit 1	210	0
Unit 2	210	170
Unit 3	210	180
Unit 4	210	200
Unit 5	500	450
Unit 6	500	0
Unit 7	500	450
	2340	1450
Paras		
Unit 2	55	40
Unit 3	250	211
Unit 4	250	
	555	251
Khaparkheda		
Unit 1	210	210
Unit 2	210	180
Unit 3	210	170
Unit 4	210	190
	840	750
Nasik		
Unit 1	120	100
Unit 2	120	90
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	870	760
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	630

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	630
Hydro		
KDPH	40	38
VTRNA	60	61
TILLARI	60	60
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	8
BHANDARDRA	45	20
ELDARY	23	0
SMLHY PTN	12	15
GHATGHAR	250	0
	611	287
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	
CPP		
TOTAL CPP	0	
	0	
Dabhol		
RGPPL	960	1550
	960	1550
Tata		
Trombay 4	150	0
Trombay 5	500	420
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1797
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3105
	3143	3105

	17376	7 of 7	14099
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