



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

State Load Dispatch Center, Airoli

Daily system Report

for

17/Apr/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 17/Apr/2010 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	92.908	1978.552	1) Madhya Pradesh	52.914	865.266
2) Hydro	25.441	495.618	2) Gujrat	22.201	454.117
3) Gas	16.036	253.242	3) Goa	-7.778	-115.840
Total MSGENCO	134.385	2727.412	4) TAPS 1&2 (Inj.)	7.164	98.228
B) OTHERS			5) Pench (Excess)	0.000	-5.550
1) RGPPL Gas	37.051	623.620	# Total Cent. Sector	74.501	1296.221
2) Wind Generation	10.535	113.741	F) Other Exchanges		
3) CPP	4.952	78.141	1) With TPCL (Excess)	-5.550	-109.694
4) PENCH (MS)	0.016	5.566	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	7.741	108.429
1) TPCL Thermal	32.454	526.040	Include PX	0.000	17.257
2) TPCL Hydro	6.696	80.883	2) MUMBAI Bilateral	5.695	120.123
TOTAL TPCL	39.150	606.923	Include PX	-0.821	9.318
3) REL Thermal	12.529	213.258	3) MUMBAI Schedule	5.695	121.163
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	137.891	2717.850	1) MSEDCL	255.890	4734.991
2) Hydro (A2+B3+C2)	32.153	582.067	2) TPCL	37.045	600.416
3) Gas (A3+B1)	53.087	876.862	3) REL	20.183	329.432
4) Wind (B2)	10.535	113.741	TOTAL STATE	313.118	5664.839
5) CPP (B3)	4.952	78.141			
TOTAL STATE	238.618	4368.661			

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	3568	3951	4021
MSGENCO Hydro	1673	1556	468
MSGENCO Gas	649	673	669
MSGENCO Total Generation	5890	6180	5158
Central Sector Receipt	3497	3181	2681
RGPPL	1531	1553	1546
WIND	260	485	637
CPP	223	221	210
Exchange with TPCL	-447	-273	-48
MSEDCL DEMAND MET	10954	11347	10184
Load Shedding	3621	4899	1610
MSEDCL DEMAND (INCL. LS)	14575	16246	11794
TPCL GENERATION	1818	1824	1400
REL GENERATION	521	521	524
TPCL+REL DEMAND	2786	2618	1972
STATE DEMAND MET	13740	13965	12156
STATE DEMAND (INCL. LS)	17361	18864	13766
Frequency (Hz)	48.83	49.02	48.80
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			5648 MW at 16.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			98.59 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
49.62 Hz at 10.03 Hrs	48.56 Hz at 05.39 Hrs	48.92	69.68 % 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 17/Apr/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.66	29.29	79	53	75
Unit 2	0.00	15.97	0	0	0
Unit 3	1.69	28.28	85	51	70
Unit 4	1.58	26.52	78	30	75
Unit 5	2.92	49.79	137	102	150
Unit 6	2.87	50.34	145	79	120
Unit 7	3.21	75.11	177	97	150
	13.94	275.31			640
Bhusawal					
Unit 1	0.58	14.83	25	21	25
Unit 2	4.36	71.33	190	170	195
Unit 3	4.50	74.24	195	180	185
	9.44	160.40			405
Parli					
Unit 1	0.56	9.08	25	21	22
Unit 2	0.56	8.88	24	22	22
Unit 3	0.00	0.00	0	0	0
Unit 4	3.37	61.16	175	106	135
Unit 5	4.04	70.71	180	143	165
Unit 6	5.95	99.83	252	236	250
Unit 7	0.00	14.53	0	0	
	14.49	264.18			594
Chandrapur					
Unit 1	0.00	23.81	0	0	0
Unit 2	2.09	45.85	157	0	150
Unit 3	0.00	52.62	0	0	0
Unit 4	3.16	72.92	186	0	190
Unit 5	0.00	150.03	0	0	0
Unit 6	0.00	0.32	0	0	0
Unit 7	10.66	173.41	455	422	450
	15.91	518.97			790
Paras					
Unit 2	0.52	15.33	25	10	40
Unit 3	4.17	92.66	233	121	210
Unit 4	2.54	42.62	137	83	
	7.23	150.60			250
Khaparkheda					
Unit 1	4.90	83.92	215	190	210
Unit 2	4.28	75.40	185	163	180
Unit 3	4.26	68.11	191	161	190
Unit 4	4.37	78.44	192	166	190
	17.82	305.87			770
Nasik					
Unit 1	2.24	35.90	98	90	100
Unit 2	2.18	36.32	96	85	90
Unit 3	0.11	73.48	71	0	0
Unit 4	4.73	77.57	204	186	200
Unit 5	4.82	79.94	212	191	200
	14.09	303.22			590
Koyna					
Stage 1-2	7.00	101.92	580	50	600
Stage 4	12.14	244.29	1061	16	250
Stage 3	3.45	72.58	240	0	320
	22.59	418.79			1170
Kovna 12&4 Total	19.14	346.21			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		16.04	253.24	703	639	650
		16.04	253.24			650
Hydro						
KDPH		0.58	7.40	38	0	0
VTRNA		0.00	18.83	0	0	60
TILLARI		0.34	6.22	60	0	60
BHTGR/VEER		0.48	4.35	21	20	10
BHIRA T.R.		0.38	4.26	81	0	80
RNGR+BHTSA		0.32	5.06	14	13	10
BHANDARDRA		0.00	10.41	0	0	0
ELDARY		0.00	1.07	0	0	0
SMLHY PTN		0.74	13.43	40	5	11
GHATGHAR		0.00	5.79	0	0	0
		2.85	76.83			231
PENCH (MS)						
Pench (MS)		0.02	5.57	16	0	
		0.02	5.57			
Wind						
MalharPeth		0.19	3.01			
Vankuswadi		0.42	6.78			
ATIT		0.44	2.76			
Kale		0.23	3.19			
Satara		0.14	4.68			
Shirala		0.19	2.94			
K Mahankal		0.01	2.26			
Supa		0.12	2.80			
Vita		0.76	13.62			
Dondaicha		5.37	45.69			
Sakri		0.80	7.47			
Nandurbar		0.72	6.56			
Khadakale		0.64	7.02			
Khaparale		0.50	4.95			
		10.54	113.74			
CPP						
TOTAL CPP		4.95	78.14			
		4.95	78.14			
Dabhol						
RGPPL		37.05	623.62	1559	1519	1500
		37.05	623.62			1500
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		9.96	169.32	415	415	420
Trombay 6		12.23	181.78	510	500	500
Trombay 7A		2.71	47.86	116	111	120
Trombay 7B		1.54	26.92	65	63	60
Trombay 8		6.01	100.17	255	250	250
TATA Hydro		6.70	80.88	471	12	447
		39.15	606.92			1797
REL						
1&2		12.53	213.26	525	519	500
		12.53	213.26			500
Cent Sect						
Share						3032
						3032
MS PG CL	Thermal	92.91	1978.55			4039
	Thml+Gas	108.94	2231.79			4689
	Hydro	25.44	495.62			1401
	Total	134.38	2727.41			6090
State Total		238.62	4368.66			12919

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/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	3981	827	665	5473	1559	663	225	2854	2725	-148	-148	10497	1775	12272	2245	14517	48.81
2	3984	473	665	5122	1543	712	224	2783	2665	-148	-123	10143	1777	11920	2063	13983	48.74
3	4021	468	669	5158	1546	637	210	2674	2681	-36	-48	10184	1610	11794	1972	13766	48.80
4	4003	423	670	5096	1552	730	209	2535	2524	75	65	10176	1890	12066	1857	13923	48.82
5	3973	667	670	5310	1549	539	209	2539	2503	75	65	10175	2033	12208	1828	14036	48.72
6	4042	1022	674	5738	1543	371	211	2539	2534	75	56	10453	2341	12794	1886	14680	48.72
7	3929	346	683	4958	1558	370	212	2768	2860	28	36	9994	3880	13874	1877	15751	49.02
8	3975	452	682	5109	1559	278	208	2821	2773	-28	-35	9892	4225	14117	1925	16042	48.97
9	3925	272	681	4878	1550	352	223	2938	2832	-146	-157	9678	4461	14139	2139	16278	48.95
10	3834	430	703	4967	1556	307	223	3295	3485	-435	-445	10093	4386	14479	2479	16958	49.14
11	3610	1056	703	5369	1552	287	232	3407	3771	-435	-449	10762	3899	14661	2673	17334	49.12
12	3568	1673	649	5890	1531	260	223	3398	3497	-435	-447	10954	3621	14575	2786	17361	48.83
13	3657	1767	639	6063	1523	222	218	3392	3570	-435	-447	11149	3547	14696	2788	17484	48.90
14	3629	1825	644	6098	1526	293	220	3382	3950	-435	-409	11678	3444	15122	2702	17824	49.05
15	3629	1967	645	6241	1520	248	217	3372	3596	-435	-418	11404	3701	15105	2730	17835	49.01
16	3746	1852	648	6246	1519	250	221	3214	3260	-435	-408	11088	4368	15456	2746	18202	48.95
17	3829	1274	647	5750	1519	495	234	3152	2966	-435	-408	10556	4652	15208	2713	17921	48.83
18	3874	775	663	5312	1542	577	211	3156	3285	-435	-403	10524	4282	14806	2651	17457	49.06
19	3955	942	672	5569	1554	468	231	2800	3259	-240	-240	10841	4398	15239	2576	17815	49.12
20	3951	1556	673	6180	1553	485	221	2929	3181	-240	-273	11347	4899	16246	2618	18864	49.02
21	3891	1794	670	6355	1545	430	229	2930	3274	-240	-224	11609	3969	15578	2566	18144	48.81
22	3900	1743	676	6319	1554	546	224	2927	3120	-240	-208	11555	3858	15413	2536	17949	48.94
23	3991	1254	674	5919	1552	523	223	2876	3062	-240	-202	11093	3841	14934	2439	17373	48.87
24	4010	583	671	5264	1546	492	208	3009	3112	-327	-280	10342	3068	13410	2434	15844	48.77
MUs	92.91	25.44	16.04	134.38	37.05	10.54	5.27	71.69	74.48	-5.69	-5.55	256.19	83.92	340.11	57.23	397.34	48.92

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 17/Apr/2010

Position as on 6.30 Hrs of 18/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
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
Chandrapur Unit 1	210	08/04/2010	08.36		Continued.	Annual Overhaul	03/05/2010
Chandrapur Unit 3	210	14/04/2010	11:02		Continued.	Water Balancing Work.	16/04/2010
Dabhol 2B	230	15/04/2010	01.40		Continued.	Control System modification work	15/06/2010
Chandrapur Unit 5	500	16/04/2010	15.49		Continued.	Water Balancing Problem.	
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.	
Parli Unit 7	250	04/04/2010	17.16		Continued.	Flame/Failure.	20/04/2010
Cent_Sect TARAPUR-4	540	11/04/2010	09.58		Continued.	Reactor problem.	20/04/2010
Koradi Unit 2	105	11/04/2010	21.13		Continued.	BLR T/L.	21/04/2010
Nasik Unit 3	210	16/04/2010	14.15	17/04/2010	22.20	Generator Prot.	
Chandrapur Unit 2	210	17/04/2010	05.49	17/04/2010	14.43	UAT Tripped.	
Chandrapur Unit 4	210	17/04/2010	09.50	17/04/2010	14.59	Furnace Pressure High.	
Koyna Unit 9	80	17/04/2010	9:25		Continued.	Excitation problem.	20/04/2010
Paras Unit 4	250	18/04/2010	05.29	18/04/2010	09.57	Feeder Problem.	
Chandrapur Unit 2	210	18/04/2010	21.38		Continued.	Clinker Formation.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 17/Apr/2010

Position as on 6.30 Hrs of 18/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - I	09/04/2010	13.00		Continued.	To control Aurangabad ICT loading.
Akola - Wardha - I	13/04/2010	00.43		Continued.	Hand Tripped For Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - I	18/04/2010	00.11		Continued.	H/T For O/v.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Parli-Lonikand - II	11/04/2010	11.20		Continued.	Breaker O/H.line on TBC at Parli end.
400/220 KV ICT-II at Lonikand	15/04/2010	08.20	17/04/2010	10.13	L V Side Breaker Maint.Work,Taken on TBC.
Dabhol - Nagothane - I	15/04/2010	08.42		Continued.	For Diversion of Dabhol-Nagothane-I.
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,150 MVA ICT At Theur.	04/04/2010	13.05		Continued.	Augmentation of ICT by new 200 MVA.
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
Ambazari-Amravati	12/04/2010	10.46	17/04/2010	11.18	Replacement of 220KV CTs and LAs
Nasik-Padgha- II	16/04/2010	08.10	17/04/2010	18.30	Conductor Replacement.
Jejuri-Jejuri II Bay	17/04/2010	10.07	17/04/2010	13.40	Testing of CB,Bay on TBC.
Kalwa-Taloja	17/04/2010	10.55	17/04/2010	14.45	CT,LA Meggering work.
220/132KV 100MVA ICT-II at Chalisgaon	17/04/2010	12.48	17/04/2010	14.50	Q.M.Work
Tifil-Trombay	18/04/2010	07.56	18/04/2010	18.50	Conductor Replacement Bet.Loc 689B-691B
Borivali - Aare - I	18/04/2010	08.10	18/04/2010	17.19	R.M.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
KALWA-SALSET I	18/04/2010	08.54	18/04/2010	19.16	R.M.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Baramati-Kalyani	17/04/2010	10.45	17/04/2010	12.30	B-Ph LA Jumper replacement.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Khadka - Deepnagar - II	31/03/2010	16.13		Continued.	Handtripped
Bhusawal- Aurangabad	09/04/2010	20.45		Continued.	To control A'Bad ICT Loading
N.Koyna-jaigad-I	16/04/2010	11.21	17/04/2010	13.03	Hand Tripped.
Karad-Solapur(Lamboti)	17/04/2010	15.15	17/04/2010	18.22	To control N.Koyna-Karad line load.
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
Chikhali - Khamgaon	18/04/2010	17.35		Continued.	To Control Chikali ICT Loading.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 17/Apr/2010

Position as on 6.30 Hrs of 18/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type TRIPPED		
N.Koyna-jaigad-I	17/04/2010	19.00	17/04/2010	19.32	Tripped.
Voltage Level : 220KV			Outage Type TRIPPED		
Parbhani-Pusad	16/04/2010	16.17	17/04/2010	16.19	Distance Protection.
Karad - Vita - I	16/04/2010	16.36	17/04/2010	18.26	Bus Fault & PDR Operated while taking in service.
Kolhapur - Karad - II	16/04/2010	18.03	17/04/2010	06.47	Bus Fault.
Mudshingi - Peth	16/04/2010	18.03	17/04/2010	06.45	Bus Fault.
220/110KV,100MVA T/F-III @MUDSHINGI	16/04/2010	18.07	17/04/2010	04.05	HV Side B-ph. LA burst.
220/66 KV, 50 MVA ICT-I At Warora	17/04/2010	02.01	17/04/2010	02.15	Transient tripping along with 66 KV Hinganghate feeder.
220/66KV,50 MVA ICT-II at Wardha	17/04/2010	02.01	17/04/2010	02.15	Transient tripping alongh with 66 KV Hinganghate feeder.
220/33 KV,100 MVA ICT - II @ Ghatnandrai	17/04/2010	11.39	17/04/2010	11.45	Pole discrepancy.
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.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 18/Apr/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	74
Unit 2	105	0
Unit 3	105	77
Unit 4	105	70
Unit 5	200	141
Unit 6	210	145
Unit 7	210	143
	1040	650
Bhusawal		
Unit 1	58	25
Unit 2	210	195
Unit 3	210	195
	478	415
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	0
Unit 4	210	160
Unit 5	210	160
Unit 6	250	250
Unit 7	250	0
	1190	614
Chandrapur		
Unit 1	210	0
Unit 2	210	155
Unit 3	210	0
Unit 4	210	200
Unit 5	500	0
Unit 6	500	0
Unit 7	500	450
	2340	805
Paras		
Unit 2	55	20
Unit 3	250	130
Unit 4	250	0
	555	150
Khaparkheda		
Unit 1	210	210
Unit 2	210	180
Unit 3	210	180
Unit 4	210	170
	840	740
Nasik		
Unit 1	120	100
Unit 2	120	95
Unit 3	210	190
Unit 4	210	210
Unit 5	210	210
	870	805
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	670

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	670
Hydro		
KDPH	40	0
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	3
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	21
GHATGHAR	250	0
	611	229
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	1520
	960	1520
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	2924
	3143	2924