



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

State Load Dispatch Center, Airoli

Daily system Report

for

06/Apr/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 06/Apr/2010 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	119.864	747.661	1) Madhya Pradesh	44.726	285.009
2) Hydro	32.604	138.111	2) Gujrat	28.206	170.534
3) Gas	14.365	85.601	3) Goa	-7.101	-39.376
Total MSGENCO	166.833	971.373	4) TAPS 1&2 (Inj.)	3.520	35.217
B) OTHERS			5) Pench (Excess)	-0.288	-1.775
1) RGPPL Gas	44.382	209.893	# Total Cent. Sector	69.063	449.609
2) Wind Generation	4.690	41.743	F) Other Exchanges		
3) CPP	4.111	25.286	1) With TPCL (Excess)	-6.835	-37.438
4) PENCH (MS)	0.288	1.775	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	4.892	29.316
1) TPCL Thermal	31.058	177.011	Include PX	2.268	13.608
2) TPCL Hydro	5.832	22.144	2) MUMBAI Bilateral	7.456	42.443
TOTAL TPCL	36.890	199.155	Include PX	0.425	4.924
3) REL Thermal	12.493	75.497	3) MUMBAI Schedule	7.456	42.443
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	163.415	1000.169	1) MSEDCL	282.532	1662.241
2) Hydro (A2+B3+C2)	38.724	162.030	2) TPCL	37.087	202.782
3) Gas (A3+B1)	58.747	295.494	3) REL	19.130	109.298
4) Wind (B2)	4.690	41.743	TOTAL STATE	338.749	1974.321
5) CPP (B3)	4.111	25.286			
TOTAL STATE	269.687	1524.722			

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	4960	4989	4975
MSGENCO Hydro	1440	2186	1087
MSGENCO Gas	606	588	578
MSGENCO Total Generation	7006	7763	6640
Central Sector Receipt	3325	2742	2413
RGPPL	1840	1840	1839
WIND	102	229	370
CPP	164	172	162
Exchange with TPCL	-434	-282	-140
MSEDCL DEMAND MET	12003	12464	11335
Load Shedding	3600	3682	1596
MSEDCL DEMAND (INCL. LS)	15603	16146	12931
TPCL GENERATION	1829	1829	1129
REL GENERATION	522	520	524
TPCL+REL DEMAND	2785	2631	1793
STATE DEMAND MET	14788	15095	13128
STATE DEMAND (INCL. LS)	18388	18777	14724
Frequency (Hz)	49.34	49.18	48.95
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4792 MW at 12.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			90.75 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.07 Hz at 18.03 Hrs	48.79 Hz at 02.18 Hrs	49.31	10.69 % 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 06/Apr/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.67	10.28	79	60	60
Unit 2	1.24	8.63	68	15	32
Unit 3	1.60	9.47	83	35	30
Unit 4	1.22	8.82	84	13	20
Unit 5	0.00	15.63	0	0	0
Unit 6	3.99	23.36	185	145	170
Unit 7	4.60	27.70	206	164	200
	14.31	103.90			512
Bhusawal					
Unit 1	0.69	6.25	44	16	50
Unit 2	4.36	25.44	192	170	185
Unit 3	4.54	26.22	200	178	195
	9.60	57.90			430
Parli					
Unit 1	0.51	3.17	23	20	22
Unit 2	0.55	3.31	25	21	22
Unit 3	0.00	0.00	0	0	0
Unit 4	3.45	22.02	192	114	130
Unit 5	4.22	25.62	189	155	180
Unit 6	6.07	35.70	258	239	250
Unit 7	0.00	14.53	0	0	
	14.80	104.36			604
Chandrapur					
Unit 1	3.35	19.50	144	134	150
Unit 2	3.92	9.66	170	150	165
Unit 3	4.02	23.72	186	106	190
Unit 4	4.09	26.29	191	143	200
Unit 5	9.57	59.82	415	376	450
Unit 6	0.00	0.32	0	0	0
Unit 7	9.84	61.05	432	386	410
	34.80	200.37			1565
Paras					
Unit 2	1.09	5.86	47	42	30
Unit 3	5.81	35.10	255	215	265
Unit 4	1.65	13.59	109	0	
	8.54	54.54			295
Khaparkheda					
Unit 1	4.98	29.46	218	200	210
Unit 2	4.53	27.08	196	180	190
Unit 3	4.90	30.07	215	194	210
Unit 4	4.97	29.08	213	177	210
	19.38	115.69			820
Nasik					
Unit 1	2.24	13.70	99	80	100
Unit 2	1.88	12.97	86	66	95
Unit 3	4.93	29.28	212	200	205
Unit 4	4.61	27.37	198	184	200
Unit 5	4.79	27.58	209	190	205
	18.44	110.91			805
Koyna					
Stage 1-2	7.02	25.92	575	40	600
Stage 4	15.90	67.59	1108	0	250
Stage 3	3.92	18.83	320	0	320
	26.84	112.34			1170
Kovna 12&4 Total	22.93	93.52			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		14.36	85.60	633	560	570
		14.36	85.60			570
Hydro						
KDPH		0.92	1.50	40	38	37
VTRNA		1.18	6.25	61	0	60
TILLARI		0.36	2.18	60	0	60
BHTGR/VEER		0.14	1.37	6	5	10
BHIRA T.R.		0.25	1.10	80	0	80
RNGR+BHTSA		0.29	1.77	12	12	15
BHANDARDRA		0.78	4.27	34	32	30
ELDARY		0.32	0.76	14	12	0
SMLHY PTN		0.84	3.91	42	33	30
GHATGHAR		0.67	2.66	125	0	0
		5.76	25.77			322
PENCH (MS)						
Pench (MS)		0.29	1.78	51	0	
		0.29	1.78			
Wind						
MalharPeth		0.18	1.29			
Vankuswadi		0.42	2.80			
ATIT		0.14	1.06			
Kale		0.20	1.23			
Satara		0.48	2.14			
Shirala		0.18	1.27			
K Mahankal		0.01	1.19			
Supa		0.22	1.16			
Vita		1.00	6.48			
Dondaicha		1.03	15.03			
Sakri		0.19	2.72			
Nandurbar		0.16	2.16			
Khadakale		0.38	2.31			
Khaparale		0.10	0.90			
		4.69	41.74			
CPP						
TOTAL CPP		4.11	25.29			
		4.11	25.29			
Dabhol						
RGPPL		44.38	209.89	1874	1825	1550
		44.38	209.89			1550
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		9.96	59.76	415	415	400
Trombay 6		11.01	56.72	510	290	500
Trombay 7A		2.82	17.09	122	114	120
Trombay 7B		1.59	9.57	67	66	60
Trombay 8		5.67	33.88	255	150	250
TATA Hydro		5.83	22.14	471	0	447
		36.89	199.16			1777
REL						
1&2		12.49	75.50	526	496	500
		12.49	75.50			500
Cent Sect						
Share						2965
						2965
MS PG CL	Thermal	119.86	747.66			5031
	Thml+Gas	134.23	833.26			5601
	Hydro	32.60	138.11			1492
	Total	166.83	971.37			7093
State Total		269.69	1524.72			13885

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 06/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	5005	1574	579	7158	1848	320	164	2699	2556	-215	-168	11918	1608	13526	2075	15601	49.15
2	5019	1175	578	6772	1847	200	163	2647	2504	-215	-166	11360	1648	13008	1944	14952	49.13
3	4975	1087	578	6640	1839	370	162	2623	2413	-191	-140	11335	1596	12931	1793	14724	48.95
4	4896	1063	578	6537	1854	230	162	2578	2446	-144	-91	11138	2042	13180	1667	14847	49.25
5	4884	1305	578	6767	1862	253	163	2582	2637	-144	-92	11590	2206	13796	1669	15465	49.21
6	4864	1538	604	7006	1871	275	166	2584	2467	-144	-93	11692	2558	14250	1720	15970	49.22
7	4868	325	632	5825	1874	250	168	2901	2676	-82	-35	10758	3646	14404	1700	16104	49.41
8	5008	235	633	5876	1874	215	171	2914	2730	-98	-52	10814	3880	14694	1881	16575	49.60
9	5035	253	621	5909	1874	184	187	2862	2655	-73	-30	10779	4023	14802	2058	16860	49.43
10	5057	449	617	6123	1861	207	184	3291	3193	-452	-419	11176	3970	15146	2449	17595	49.41
11	4982	919	616	6517	1851	186	169	3300	3554	-452	-428	11862	3610	15472	2679	18151	49.53
12	4960	1440	606	7006	1840	102	164	3297	3325	-452	-434	12003	3600	15603	2785	18388	49.34
13	5006	1445	612	7063	1840	61	174	3292	3276	-470	-480	11954	3450	15404	2814	18218	49.53
14	5047	1445	612	7104	1835	59	183	3285	3295	-470	-476	12010	3420	15430	2781	18211	49.49
15	5058	1275	606	6939	1829	108	183	3267	3228	-471	-478	11809	3650	15459	2826	18285	49.33
16	5080	1304	604	6988	1825	125	183	3218	3115	-471	-511	11725	3681	15406	2860	18266	49.26
17	4962	1525	607	7094	1835	233	174	3217	3169	-471	-481	12024	3684	15708	2830	18538	49.37
18	4981	1707	598	7286	1836	234	167	3265	3002	-519	-512	12013	3237	15250	2754	18004	49.31
19	4975	1718	588	7281	1847	199	176	2763	2675	-324	-304	11874	3569	15443	2606	18049	49.47
20	4989	2186	588	7763	1840	229	172	2831	2742	-277	-282	12464	3682	16146	2631	18777	49.18
21	5070	2282	588	7940	1846	223	169	2843	2878	-277	-220	12836	3289	16125	2522	18647	49.21
22	5087	2052	586	7725	1849	150	166	2893	2704	-324	-270	12335	3306	15641	2502	18143	49.29
23	5079	2148	596	7823	1854	143	166	2888	2866	-316	-318	12559	2909	15468	2392	17860	49.31
24	4977	2154	560	7691	1851	134	175	2854	2957	-402	-355	12504	1967	14471	2280	16751	49.09
MUs	119.86	32.60	14.36	166.83	44.38	4.69	4.11	70.89	69.06	-7.46	-6.84	282.53	74.23	356.76	56.22	412.98	49.31

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 06/Apr/2010

Position as on 6.30 Hrs of 07/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.	07/04/2010
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
Koradi Unit 5	200	05/04/2010	13.30		Continued.	I.D.Fan Problem.	08/04/2010
Cent_Sect NTPC(V-4)	210	06/04/2010	00.43		Continued.	BLR T/L.	08/04/2010
Paras Unit 4	250	06/04/2010	15:37		Continued.	Trip on Governer mode.	07/04/2010
Koyna Unit 8	80	06/04/2010	21:10		Continued.	Excitation Problem.	07/04/2010
Khaparkheda Unit 3	210	07/04/2010	04.33		Continued.	Boiler Tube Leakage.	10/04/2010

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 06/Apr/2010

Position as on 6.30 Hrs of 07/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		
HALKARNI-TILLARY	05/04/2010	08.06		Continued.	Erection of tower shifting and conductor near Halkarni S/S.
Taps 1,2--Taps 3&4 Tie Line	05/04/2010	08.35		Continued.	Annual Maintaince.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Padgha-Bhoisor (PGCIL)	05/04/2010	23.32	06/04/2010	02.25	To attend Red Hot on B-Ph CT.
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		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
220KV TBC @LONIKAND	05/04/2010	11:20		Continued.	Service & Overhauling of breaker of 220KV TBC.
Koradi - Kaparkheda	06/04/2010	00.01	06/04/2010	19.21	LILO at Khaparkheda.
Chandrapur-Khaparkheda	06/04/2010	00.01	06/04/2010	19.24	LILO at Khaparkheda.
Koradi-Chandrapur	06/04/2010	08.38	06/04/2010	19.24	Commissioning work of New 400KV Khaparkheda S/S.
Padgha-Nagothane-II	06/04/2010	09.52	06/04/2010	20.02	Testing and R.M.Work.
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.
BUS SEC-II at Jejuri	19/03/2010	13.57		Continued.	Renovation of Isolator
220/132KV 100MVA ICT-I at Parly-II	20/03/2010	09.35		Continued.	HV Breaker Replacement work,ICT on TBC.
Nasik - Airoli - Knowledge Park	04/04/2010	09.57		Continued.	Conductor Replacement.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV 500 MVA ICT-I at Jejuri	06/04/2010	10.10		Continued.	Renovation of isolator and LV side.on TBC.
400/220KV 315MVA ICT-I at Kharghar	06/04/2010	14.10		Continued.	L.V.side breaker on TBC(Own breaker overhauling work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Dhule 220 KV Bus Bar	06/04/2010	07.12	06/04/2010	16.04	Annual testing of bus bar protection scheme.
Taloja-OCIL-I	06/04/2010	10.45	06/04/2010	19.40	Tan delta,CRM measurements.
Karad - Ogalewadi - II	06/04/2010	11.07	06/04/2010	17.50	Dismantaling of existing of old breaker.
Kharghar - Kandalgaon	06/04/2010	12.32	06/04/2010	14.09	To attend air leakage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Koradi - Kaparkheda	25/03/2010	19:50		Continued.	H/T.
Bhusawal- Aurangabad	27/03/2010	18:22		Continued.	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
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 : 400KV			Outage Type TRIPPED		
Karad-Kolhapur CKT II	06/04/2010	13.40	06/04/2010	14.18	Due to heavy sparking R Ph.,29 B

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 06/Apr/2010

Position as on 6.30 Hrs of 07/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
					isolator at kolhapur.
Dabhol - Nagothane - I	06/04/2010	14.49	06/04/2010	15.33	Tripped on distance protection.
Voltage Level : 220KV					Outage Type TRIPPED
Pedambe - Tambati	06/04/2010	14.08	06/04/2010	14.49	Tripped on distanc portection
Dhule-Chalisgaon	06/04/2010	14.31	06/04/2010	16.50	Distance protection.
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 07/Apr/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	60
Unit 3	105	70
Unit 4	105	60
Unit 5	200	0
Unit 6	210	170
Unit 7	210	175
	1040	610
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	200
Unit 5	210	180
Unit 6	250	250
Unit 7	250	
	1190	674
Chandrapur		
Unit 1	210	150
Unit 2	210	160
Unit 3	210	190
Unit 4	210	200
Unit 5	500	450
Unit 6	500	0
Unit 7	500	450
	2340	1600
Paras		
Unit 2	55	40
Unit 3	250	230
Unit 4	250	0
	555	270
Khaparkheda		
Unit 1	210	210
Unit 2	210	190
Unit 3	210	0
Unit 4	210	210
	840	610
Nasik		
Unit 1	120	100
Unit 2	120	95
Unit 3	210	205
Unit 4	210	200
Unit 5	210	205
	870	805
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	320
	1920	1090
Uran		
All Units	852	620

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	620
Hydro		
KDPH	40	37
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	10
BHIRA T.R.	80	80
RNGR+BHTSA	20	12
BHANDARDRA	45	32
ELDARY	23	13
SMLHY PTN	12	9
GHATGHAR	250	0
	611	313
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	1850
	960	1850
Tata		
Trombay 4	150	0
Trombay 5	500	400
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1777
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2938
	3143	2938

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