



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/Apr/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 02/Apr/2010 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.475	250.669	1) Madhya Pradesh	47.330	92.880
2) Hydro	17.345	26.251	2) Gujrat	27.757	57.177
3) Gas	13.126	27.698	3) Goa	-6.081	-12.750
Total MSGENCO	151.946	304.618	4) TAPS 1&2 (Inj.)	7.176	14.335
B) OTHERS			5) Pench (Excess)	-0.448	-0.688
1) RGPPL Gas	35.218	71.338	# Total Cent. Sector	75.734	150.954
2) Wind Generation	7.798	19.579	F) Other Exchanges		
3) CPP	4.011	8.758	1) With TPCL (Excess)	-6.266	-13.166
4) PENCH (MS)	0.448	0.688	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	4.856	9.748
1) TPCL Thermal	28.832	58.022	Include PX	2.268	4.536
2) TPCL Hydro	2.890	7.604	2) MUMBAI Bilateral	7.033	14.855
TOTAL TPCL	31.722	65.626	Include PX	1.370	2.177
3) REL Thermal	12.637	25.266	3) MUMBAI Schedule	7.033	14.855
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	162.944	333.957	1) MSEDCL	268.889	542.769
2) Hydro (A2+B3+C2)	20.683	34.543	2) TPCL	32.255	66.871
3) Gas (A3+B1)	48.344	99.036	3) REL	18.368	37.183
4) Wind (B2)	7.798	19.579	TOTAL STATE	319.512	646.823
5) CPP (B3)	4.011	8.758			
TOTAL STATE	243.780	495.873			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5137	4958	5023
MSGENCO Hydro	391	1745	449
MSGENCO Gas	494	549	590
MSGENCO Total Generation	6022	7252	6062
Central Sector Receipt	3382	2995	2843
RGPPL	1447	1506	1476
WIND	223	267	445
CPP	196	128	163
Exchange with TPCL	-433	-240	-38
MSEDCL DEMAND MET	10885	11908	10956
Load Shedding	3987	3942	1909
MSEDCL DEMAND (INCL. LS)	14872	15850	12865
TPCL GENERATION	1497	1682	1029
REL GENERATION	525	526	527
TPCL+REL DEMAND	2455	2448	1594
STATE DEMAND MET	13340	14356	12550
STATE DEMAND (INCL. LS)	17327	18298	14459
Frequency (Hz)	49.11	49.32	49.52
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4230 MW AT 13:00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			83.25 MUS.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.16 Hz at 18:47 Hrs	48.82 Hz at 11:08 Hrs	49.44	1.97 % 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 02/Apr/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.52	3.34	73	44	60
Unit 2	1.20	2.74	68	28	50
Unit 3	1.42	3.18	71	45	70
Unit 4	1.09	2.73	69	26	70
Unit 5	3.30	6.87	147	120	150
Unit 6	3.74	7.57	185	128	160
Unit 7	4.46	9.16	205	135	200
	16.74	35.58			760
Bhusawal					
Unit 1	1.12	2.04	50	41	50
Unit 2	4.19	8.43	185	165	170
Unit 3	3.68	8.00	185	0	195
	8.99	18.47			415
Parli					
Unit 1	0.52	1.07	23	21	22
Unit 2	0.54	1.10	24	21	22
Unit 3	0.00	0.00	0	0	0
Unit 4	3.79	7.48	174	129	200
Unit 5	4.22	8.27	192	155	180
Unit 6	5.67	11.60	254	164	250
Unit 7	3.23	9.28	160	85	
	17.96	38.81			674
Chandrapur					
Unit 1	3.19	6.24	143	115	150
Unit 2	0.00	2.92	0	0	0
Unit 3	3.34	7.10	164	84	150
Unit 4	4.37	8.46	195	160	190
Unit 5	9.84	19.22	445	365	450
Unit 6	0.00	0.32	0	0	0
Unit 7	10.16	20.22	450	364	450
	30.90	64.49			1390
Paras					
Unit 2	1.05	1.67	48	36	26
Unit 3	5.76	11.67	248	231	270
Unit 4	2.59	4.76	115	100	
	9.40	18.10			296
Khaparkheda					
Unit 1	4.95	9.90	216	194	190
Unit 2	4.45	8.88	189	182	180
Unit 3	5.07	9.99	215	198	210
Unit 4	4.52	9.56	200	178	195
	18.99	38.34			775
Nasik					
Unit 1	2.22	4.50	98	61	100
Unit 2	2.26	4.52	98	88	100
Unit 3	4.88	9.68	212	189	195
Unit 4	4.50	9.02	200	172	185
Unit 5	4.63	9.16	205	177	190
	18.50	36.88			770
Koyna					
Stage 1-2	2.79	5.24	465	40	600
Stage 4	7.70	10.70	1140	0	250
Stage 3	2.39	3.19	312	0	320
	12.88	19.13			1170
Kovna 12&4 Total	10.49	15.94			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		13.13	27.70	614	493	550
		13.13	27.70			550
Hydro						
KDPH		0.00	0.00	0	0	0
VTRNA		1.17	2.29	61	0	60
TILLARI		0.37	0.66	61	0	60
BHTGR/VEER		0.46	0.60	20	19	16
BHIRA T.R.		0.21	0.48	80	0	80
RNGR+BHTSA		0.28	0.60	12	11	13
BHANDARDRA		0.76	1.11	32	31	30
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.77	0.77	32	31	27
GHATGHAR		0.44	0.62	125	0	0
		4.46	7.12			286
PENCH (MS)						
Pench (MS)		0.45	0.69	51	0	
		0.45	0.69			
Wind						
MalharPeth		0.21	0.61			
Vankuswadi		0.46	1.42			
ATIT		0.18	0.46			
Kale		0.17	0.53			
Satara		0.18	1.22			
Shirala		0.20	0.51			
K Mahankal		0.36	0.38			
Supa		0.25	0.40			
Vita		0.50	1.77			
Dondaicha		3.61	8.48			
Sakri		0.65	1.44			
Nandurbar		0.56	1.26			
Khadakale		0.47	1.10			
Khaparale			0.00			
		7.80	19.58			
CPP						
TOTAL CPP		4.01	8.76			
		4.01	8.76			
Dabhol						
RGPPL		35.22	71.34	1519	1391	1443
		35.22	71.34			1443
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		9.96	19.92	415	415	500
Trombay 6		8.52	17.82	490	200	500
Trombay 7A		2.89	5.79	122	118	40
Trombay 7B		1.60	3.21	68	66	40
Trombay 8		5.87	11.30	254	220	250
TATA Hydro		2.89	7.60	455	0	435
		31.72	65.63			1765
REL						
1&2		12.64	25.27	529	523	500
		12.64	25.27			500
Cent Sect						
Share						3177
						3177
MS PG CL	Thermal	121.48	250.67			5080
	Thml+Gas	134.60	278.37			5630
	Hydro	17.34	26.25			1456
	Total	151.95	304.62			7086
State Total		243.78	495.87			13971

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/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	4972	1251	590	6813	1473	473	160	2728	2748	-146	-101	11617	1726	13343	1945	15288	49.22
2	4886	931	590	6407	1474	481	162	2784	2837	-156	-110	11302	1739	13041	1765	14806	49.28
3	4906	828	591	6325	1474	519	162	2762	2807	-132	-83	11249	1611	12860	1680	14540	49.26
4	5023	449	590	6062	1476	445	163	2818	2843	-85	-38	10956	1909	12865	1594	14459	49.52
5	5077	275	589	5941	1474	411	164	2823	2906	-85	-41	10855	2031	12886	1598	14484	49.44
6	5086	1193	589	6868	1391	413	159	2661	2640	-90	-47	11424	2326	13750	1650	15400	49.29
7	5090	230	614	5934	1503	397	158	3059	2973	-108	-67	10898	3483	14381	1728	16109	49.53
8	5137	201	557	5895	1457	204	157	3073	2972	-132	-92	10593	3550	14143	1732	15875	49.50
9	5202	196	512	5910	1442	175	178	3070	3093	-154	-113	10685	3837	14522	1846	16368	49.66
10	5220	300	503	6023	1443	231	187	3435	3069	-459	-431	10522	3940	14462	2145	16607	49.41
11	5184	336	497	6017	1446	180	202	3431	3278	-458	-433	10710	3856	14566	2408	16974	49.36
12	5137	391	494	6022	1447	223	196	3428	3382	-458	-433	10885	3987	14872	2455	17327	49.11
13	5185	351	493	6029	1446	235	187	3425	3624	-458	-435	11133	3926	15059	2438	17497	49.45
14	5104	291	496	5891	1444	206	190	3422	3596	-458	-435	10938	3862	14800	2340	17140	49.77
15	5106	276	494	5876	1444	252	192	3388	3524	-458	-441	10872	4027	14899	2379	17278	49.55
16	5128	225	520	5873	1443	317	186	3379	3397	-458	-434	10807	3844	14651	2414	17065	49.67
17	5117	210	583	5910	1441	417	205	3382	3539	-459	-444	11071	3842	14913	2410	17323	49.56
18	5105	208	553	5866	1442	459	200	3387	3536	-459	-440	11063	3355	14418	2340	16758	49.57
19	4968	668	556	6192	1488	369	141	2956	3142	-295	-301	11031	3694	14725	2303	17028	49.55
20	4958	1745	549	7252	1506	267	128	3007	2995	-210	-240	11908	3942	15850	2448	18298	49.32
21	4937	1871	548	7356	1512	255	144	3220	3234	-309	-277	12224	3653	15877	2389	18266	49.38
22	4978	1440	540	6958	1517	270	129	3355	3259	-337	-277	11884	3676	15560	2316	17876	49.51
23	4978	1406	538	6922	1519	291	156	3222	3349	-337	-278	11987	2904	14891	2158	17049	49.41
24	4900	2073	540	7513	1516	308	165	3149	2981	-337	-275	12234	2020	14254	2144	16398	49.26
MUs	121.38	17.34	13.13	151.86	35.22	7.80	4.07	75.36	75.72	-7.03	-6.27	268.85	76.74	345.59	50.62	396.21	49.44

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 02/Apr/2010

Position as on 6.30 Hrs of 03/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	05/04/2010
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 2	210	01/04/2010	23.53		Continued.	ID Fan Problem	04/04/2010
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.	
Dabhol 3A	230	31/03/2010	15.52		Continued.	Withdrawn	
Bhusawal Unit 3	210	01/04/2010	22.51	02/04/2010	02.54	Flame Failure	
Uran Unit 8	108	02/04/2010	07.29	02/04/2010	14.45	Filter Replacement.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Apr/2010

Position as on 6.30 Hrs of 03/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha-Bhoisor (PGCIL)	02/04/2010	09.26	02/04/2010	19.09	Q.M Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	26/03/2010	17.33		Continued.	H/T.
Dhule-Sar'Sarovar - I	31/03/2010	15.13		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	02/04/2010	06.40	02/04/2010	08.40	H/T due to O/V.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Parli-Solapur	31/03/2010	09.57	02/04/2010	17.13	Breaker work, Line taken on TBC
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132KV 80MVA ICT at Nanded	19/02/2010	10.48		Continued.	Augmentation of ICT by 200 MVA.
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.
Pusad-Nanded	01/04/2010	09.32	02/04/2010	00.16	Replacement of CT
Bableshwar-Nasik-I	01/04/2010	11.17		Continued.	Replacement of LA and CT
220/22 KV 50 MVA T/F - I @ Airoli	02/04/2010	00.01	02/04/2010	22.45	Charge From Both End Ist Time.
Pophali-KDPH	02/04/2010	06.15	02/04/2010	18.05	Maint.work
Vankuswadi-KDPH	02/04/2010	06.15	02/04/2010	18.10	Maint.work
Butibori-Indorama	02/04/2010	06.50	02/04/2010	07.12	Replacement of Billing Meter @ Indorama End.
TBC at Kalwa.	02/04/2010	08.16		Continued.	Replacement of 29 C Isolator.
Kalwa-Colourchem	02/04/2010	09.45	02/04/2010	18.09	Tendelta Measurment.
220/132 kv, 50 MVA ICT.@ Chitegaon	02/04/2010	10.40	02/04/2010	18.10	Attending Isolator Problem of Bus Section - I.
220/132 kv,100 MVA ICT at Chitegaon	02/04/2010	10.40	02/04/2010	18.10	Q/M,Attending Isolator Problem of Bus Section - I.
Karad-Pophali	02/04/2010	15.35	02/04/2010	22.30	Commissioning of New SF 6 C B.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Dhule-Chalisingaon	02/04/2010	10.45	02/04/2010	13.18	To Attend Red Hot.
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.
Akola - Aurangabad - II	31/03/2010	15.43		Continued.	H/T due to Ethernet problem
Khadka - Deepnagar - II	31/03/2010	16.13		Continued.	Handtripped
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Jejuri-Phursungi	02/04/2010	06.15	02/04/2010	08.16	H/T (Red Hot)
220/22 KV 50 MVA T/F - I @ Airoli	02/04/2010	23.02		Continued.	Hand Tripped.
Voltage Level : 220KV			Outage Type TRIPPED		
Jindal - Ghatghar	02/04/2010	12.01	02/04/2010	14.20	Dist.Prot.
Padghe - Nashik - II	02/04/2010	12.10	02/04/2010	16.15	Dist.Prot.
220/132 kv,100 MVA ICT	02/04/2010	19.05	02/04/2010	19.25	Bus Bar Protection Operated.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Apr/2010

Position as on 6.30 Hrs of 03/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
at Bhugaon.					
220/33 KV 25 MVA T/F @ Bhugaon	02/04/2010	19.05	02/04/2010	19.27	Bus Bar Protection Operated.
Bhugaon - Lloyed	02/04/2010	19.05	02/04/2010	19.20	Bas Bar Protection Operated.
Bhugaon - Indrajeet	02/04/2010	19.05	02/04/2010	19.27	Bus Bar Protection Operated.
Hinganghat-Bhugaon	02/04/2010	19.05	02/04/2010	19.15	Bus Bar Protection Operated.
220 KV Main Bus @ Bhugaon	02/04/2010	19.05	02/04/2010	19.15	Bus Bar Protection Operated During Testing Work.
Purti - Bhugaon	02/04/2010	19.05	02/04/2010	19.19	Bus Bar Protection Operated.
Bhugaon-Pusad	02/04/2010	19.05	02/04/2010	19.23	Bus Bar Protection Operated.
Bhugaon-Wardha	02/04/2010	19.05	02/04/2010	19.17	Bus Bar Protection Operated.
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.
Bhugaon - Deoli	02/04/2010	19.05	02/04/2010	19.30	Bus Bar Protection Operated.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 03/Apr/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	50
Unit 2	105	60
Unit 3	105	40
Unit 4	105	40
Unit 5	200	140
Unit 6	210	140
Unit 7	210	150
	1040	620
Bhusawal		
Unit 1	58	50
Unit 2	210	195
Unit 3	210	190
	478	435
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	0
Unit 3	210	190
Unit 4	210	210
Unit 5	500	450
Unit 6	500	0
Unit 7	500	450
	2340	1450
Paras		
Unit 2	55	40
Unit 3	250	256
Unit 4	250	
	555	296
Khaparkheda		
Unit 1	210	210
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	820
Nasik		
Unit 1	120	100
Unit 2	120	95
Unit 3	210	205
Unit 4	210	200
Unit 5	210	210
	870	810
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	550

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	550
Hydro		
KDPH	40	0
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	20
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	11
ELDARY	23	0
SMLHY PTN	12	30
GHATGHAR	250	0
	611	271
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	1443
	960	1443
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	3084
	3143	3084

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