



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Apr/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/Apr/2010 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	129.194	129.194	1) Madhya Pradesh	45.550	45.550
2) Hydro	8.906	8.906	2) Gujrat	29.420	29.420
3) Gas	14.572	14.572	3) Goa	-6.669	-6.669
Total MSGENCO	152.672	152.672	4) TAPS 1&2 (Inj.)	7.159	7.159
B) OTHERS			5) Pench (Excess)	-0.240	-0.240
1) RGPPL Gas	36.120	36.120	# Total Cent. Sector	75.220	75.220
2) Wind Generation	11.781	11.781	F) Other Exchanges		
3) CPP	4.747	4.747	1) With TPCL (Excess)	-6.900	-6.900
4) PENCH (MS)	0.240	0.240	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	4.892	4.892
1) TPCL Thermal	29.190	29.190	Include PX	2.268	2.268
2) TPCL Hydro	4.714	4.714	2) MUMBAI Bilateral	7.822	7.822
TOTAL TPCL	33.904	33.904	Include PX	0.807	0.807
3) REL Thermal	12.629	12.629	3) MUMBAI Schedule	7.822	7.822
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	171.013	171.013	1) MSEDCL	273.880	273.880
2) Hydro (A2+B3+C2)	13.860	13.860	2) TPCL	34.616	34.616
3) Gas (A3+B1)	50.692	50.692	3) REL	18.815	18.815
4) Wind (B2)	11.781	11.781	TOTAL STATE	327.311	327.311
5) CPP (B3)	4.747	4.747			
TOTAL STATE	252.093	252.093			

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	5349	5469	5265
MSGENCO Hydro	212	376	184
MSGENCO Gas	634	583	572
MSGENCO Total Generation	6195	6428	6021
Central Sector Receipt	3335	3331	2806
RGPPL	1471	1521	1506
WIND	431	538	476
CPP	201	199	187
Exchange with TPCL	-489	-227	-110
MSEDCL DEMAND MET	11187	11814	10886
Load Shedding	3346	3757	2005
MSEDCL DEMAND (INCL. LS)	14533	15571	12891
TPCL GENERATION	1694	1813	934
REL GENERATION	526	525	528
TPCL+REL DEMAND	2709	2565	1572
STATE DEMAND MET	13896	14379	12458
STATE DEMAND (INCL. LS)	17242	18136	14463
Frequency (Hz)	49.45	49.49	49.52
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3617 MW at 14.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			70.97 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.29 Hz at 08.07 Hrs	48.8 Hz at 23.20 Hrs	49.54	1.39 % 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 01/Apr/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.82	1.82	82	55	80
Unit 2	1.54	1.54	68	60	65
Unit 3	1.75	1.75	88	61	80
Unit 4	1.64	1.64	75	47	75
Unit 5	3.57	3.57	156	143	150
Unit 6	3.82	3.82	181	130	175
Unit 7	4.70	4.70	203	186	195
	18.84	18.84			820
Bhusawal					
Unit 1	0.92	0.92	47	31	25
Unit 2	4.24	4.24	194	159	195
Unit 3	4.32	4.32	197	0	195
	9.48	9.48			415
Parli					
Unit 1	0.55	0.55	25	20	22
Unit 2	0.56	0.56	24	22	22
Unit 3	0.00	0.00	0	0	0
Unit 4	3.69	3.69	182	142	200
Unit 5	4.06	4.06	189	152	180
Unit 6	5.94	5.94	252	241	250
Unit 7	6.05	6.05	258	245	
	20.85	20.85			674
Chandrapur					
Unit 1	3.05	3.05	146	100	150
Unit 2	2.92	2.92	133	91	120
Unit 3	3.76	3.76	182	116	180
Unit 4	4.09	4.09	189	142	210
Unit 5	9.39	9.39	436	338	400
Unit 6	0.32	0.32	268	0	0
Unit 7	10.06	10.06	432	395	420
	33.59	33.59			1480
Paras					
Unit 2	0.62	0.62	44	20	24
Unit 3	5.91	5.91	253	238	250
Unit 4	2.17	2.17	118	0	
	8.71	8.71			274
Khaparkheda					
Unit 1	4.96	4.96	214	193	200
Unit 2	4.43	4.43	190	172	190
Unit 3	4.92	4.92	214	188	190
Unit 4	5.04	5.04	214	203	210
	19.34	19.34			790
Nasik					
Unit 1	2.28	2.28	101	86	100
Unit 2	2.26	2.26	105	80	100
Unit 3	4.80	4.80	210	180	205
Unit 4	4.52	4.52	199	172	200
Unit 5	4.53	4.53	205	170	210
	18.39	18.39			815
Koyna					
Stage 1-2	2.46	2.46	305	40	600
Stage 4	3.00	3.00	813	0	250
Stage 3	0.80	0.80	212	0	320
	6.25	6.25			1170
Kovna 12&4 Total	5.45	5.45			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		14.57	14.57	686	572	590
		14.57	14.57			590
Hydro						
KDPH		0.00	0.00	0	0	0
VTRNA		1.12	1.12	61	0	60
TILLARI		0.29	0.29	60	0	60
BHTGR/VEER		0.14	0.14	6	5	20
BHIRA T.R.		0.26	0.26	78	0	80
RNGR+BHTSA		0.32	0.32	14	13	12
BHANDARDRA		0.35	0.35	21	14	20
ELDARY		0.00	0.00	0	0	0
SMLHY PTN						20
GHATGHAR		0.17	0.17	100	0	0
		2.66	2.66			272
PENCH (MS)						
Pench (MS)		0.24	0.24	51	0	
		0.24	0.24			
Wind						
MalharPeth		0.39	0.39			
Vankuswadi		0.96	0.96			
ATIT		0.27	0.27			
Kale		0.37	0.37			
Satara		1.04	1.04			
Shirala		0.31	0.31			
K Mahankal		0.02	0.02			
Supa		0.16	0.16			
Vita		1.28	1.28			
Dondaicha		4.87	4.87			
Sakri		0.79	0.79			
Nandurbar		0.70	0.70			
Khadakale		0.62	0.62			
Khaparale		0.00	0.00			
		11.78	11.78			
CPP						
TOTAL CPP		4.75	4.75			
		4.75	4.75			
Dabhol						
RGPPL		36.12	36.12	1524	1470	1500
		36.12	36.12			1500
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		9.96	9.96	415	410	420
Trombay 6		9.30	9.30	510	175	500
Trombay 7A		2.90	2.90	122	119	120
Trombay 7B		1.61	1.61	68	66	60
Trombay 8		5.43	5.43	250	155	250
TATA Hydro		4.71	4.71	471	0	447
		33.90	33.90			1797
REL						
1&2		12.63	12.63	529	523	500
		12.63	12.63			500
Cent Sect						
Share						3092
						3092
MS PG CL	Thermal	129.19	129.19			5268
	Thml+Gas	143.77	143.77			5858
	Hydro	8.91	8.91			1442
	Total	152.67	152.67			7300
State Total		252.09	252.09			14189

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/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	5548	614	606	6768	1513	375	156	2746	3008	-197	-157	11663	1630	13293	1912	15205	49.35
2	5266	895	579	6740	1514	492	169	2746	2730	-197	-157	11488	1652	13140	1812	14952	49.28
3	5192	652	572	6416	1510	483	165	2747	2858	-197	-157	11275	1531	12806	1665	14471	49.23
4	5265	184	572	6021	1506	476	187	2700	2806	-150	-110	10886	2005	12891	1572	14463	49.52
5	5328	183	600	6111	1503	486	198	2702	2762	-150	-112	10948	2165	13113	1573	14686	49.44
6	5324	758	602	6684	1500	512	190	2751	2643	-197	-154	11375	2427	13802	1624	15426	49.26
7	5408	194	678	6280	1505	421	199	3038	2648	-105	-68	10985	3201	14186	1740	15926	49.71
8	5450	144	686	6280	1489	396	194	3035	2988	-105	-62	11285	2819	14104	1774	15878	49.65
9	5415	141	675	6231	1482	456	219	3022	3004	-127	-87	11305	2812	14117	2012	16129	49.86
10	5424	216	660	6300	1483	453	216	3470	3264	-507	-480	11245	3217	14462	2408	16870	49.60
11	5387	216	652	6255	1470	526	219	3466	3174	-507	-477	11210	3288	14498	2633	17131	49.61
12	5349	212	634	6195	1471	431	201	3463	3335	-507	-489	11187	3346	14533	2709	17242	49.45
13	5376	134	617	6127	1513	417	219	3463	3338	-507	-478	11187	3530	14717	2695	17412	49.57
14	5387	134	610	6131	1513	615	210	3505	3380	-507	-479	11397	3542	14939	2578	17517	49.74
15	5347	134	578	6059	1512	619	210	3517	3197	-507	-477	11138	3526	14664	2641	17305	49.46
16	5345	139	581	6065	1517	522	211	3551	3512	-507	-483	11362	3281	14643	2691	17334	49.72
17	5378	134	582	6094	1517	659	198	3560	3367	-507	-478	11357	3507	14864	2649	17513	49.80
18	5441	146	584	6171	1515	670	207	3565	3637	-507	-482	11718	3209	14927	2603	17530	49.77
19	5472	195	584	6251	1524	476	213	3058	2723	-312	-270	10917	3684	14601	2470	17071	49.75
20	5469	376	583	6428	1521	538	199	3213	3331	-276	-227	11814	3757	15571	2565	18136	49.49
21	5460	690	585	6735	1521	506	195	3291	3449	-312	-255	12151	3366	15517	2458	17975	49.51
22	5486	502	584	6572	1512	524	195	3285	3632	-312	-252	12183	3392	15575	2313	17888	49.63
23	5446	688	584	6718	1509	368	189	3242	3489	-311	-253	12020	2879	14899	2208	17107	49.36
24	5232	1225	584	7041	1500	360	188	3018	2945	-311	-256	11785	1945	13730	2128	15858	49.20
MUs	129.20	8.91	14.57	152.67	36.12	11.78	4.75	76.15	75.22	-7.82	-6.90	273.88	69.71	343.59	53.43	397.03	49.54

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 01/Apr/2010

Position as on 6.30 Hrs of 02/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.	
Cent_Sect NTPC(K-6)	500	31/03/2010	05.07	01/04/2010	12.38	Boiler Tube Leakage	
Dabhol 3A	230	31/03/2010	15.52		Continued.	Withdrawn	
Paras Unit 3	250	01/04/2010	00.05	01/04/2010	03.30	Loss of Fuel	
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 01/Apr/2010

Position as on 6.30 Hrs of 02/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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.
Voltage Level : 220KV			Outage Type TRIPPED		
Tillary-Amona	01/04/2010	10.40	01/04/2010	11.36	Distance protection
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
Bablsr-Padgha Ckt I	01/04/2010	08.53	01/04/2010	19.46	Crimping work
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.
Nasik - Airoli - Knowledge Park	27/03/2010	11.05	01/04/2010	09.57	For conductor replacement.
Chandrapur-Gadchandur	01/04/2010	07.15	01/04/2010	12.13	To attend trip ckt faulty indication
220/132KV, 200 MVA ICT-II at Boisor	01/04/2010	08.30	01/04/2010	19.57	Maint.Work
Pusad-Nanded	01/04/2010	09.32	02/04/2010	00.16	Replacement of CT
Pophali-KDPH	01/04/2010	10.05	01/04/2010	18.15	Maint.work
Vankuswadi-KDPH	01/04/2010	10.10	01/04/2010	18.10	Maint.work
Bableshwar-Nasik-I	01/04/2010	11.17		Continued.	Replacement of LA and CT
Gadchandur-Virur-II	01/04/2010	12.30	01/04/2010	14.20	Main Ckt.Breaker maint.work,(ckt on TBC)
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 : 400KV			Outage Type FORCED OUTAGE		
Parli - Lamboti	01/04/2010	06.36	01/04/2010	08.37	Red Hot Spot
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Dhule-Chalisingaon	02/04/2010	10.45	02/04/2010	13.18	To Attend Red Hot.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Apr/2010

Position as on 6.30 Hrs of 02/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 132KV			Outage Type FORCED OUTAGE		
Ozar - Manmad	01/04/2010	08.40	01/04/2010	15.25	Red Spot at Bus side Isolator
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		
Talangade - Mumewadi	01/04/2010	10.39	01/04/2010	10.50	Distance Protection
Momewadi -Halkarni	01/04/2010	10.40	01/04/2010	10.50	Distance Protection
Halkarni-Tillary	01/04/2010	10.40	01/04/2010	11.22	Due to tripping of Mumewadi-Halkarni
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 at Bhugaon.	02/04/2010	19.05	02/04/2010	19.25	Bus Bar Protection Operated.
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.
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.
Bhugaon-Wardha	02/04/2010	19.05	02/04/2010	19.17	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.
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 02/Apr/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	60
Unit 2	105	50
Unit 3	105	70
Unit 4	105	70
Unit 5	200	150
Unit 6	210	160
Unit 7	210	200
	1040	760
Bhusawal		
Unit 1	58	50
Unit 2	210	170
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	0
Unit 3	210	150
Unit 4	210	190
Unit 5	500	450
Unit 6	500	0
Unit 7	500	450
	2340	1390
Paras		
Unit 2	55	26
Unit 3	250	270
Unit 4	250	
	555	296
Khaparkheda		
Unit 1	210	190
Unit 2	210	180
Unit 3	210	210
Unit 4	210	195
	840	775
Nasik		
Unit 1	120	100
Unit 2	120	100
Unit 3	210	195
Unit 4	210	185
Unit 5	210	190
	870	770
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	16
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	27
GHATGHAR	250	0
	611	286
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	500
Trombay 6	500	500
Trombay 7A	120	40
Trombay 7B	60	40
Trombay 8	250	250
TATA Hydro	444	435
	2024	1765
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3177
	3143	3177

	17376	7 of 7 13971
--	--------------	---------------------