



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Apr/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 12/Apr/2011 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.157	1580.487	1) Madhya Pradesh	45.701	598.821
2) Hydro	31.893	257.776	2) Gujrat	33.885	389.469
3) Gas	15.193	175.839	3) Goa	-7.209	-78.458
Total MSGENCO	169.243	2014.102	4) TAPS 1&2 (Inj.)	7.261	64.342
B) OTHERS			5) Pench (Excess)	-0.161	-3.604
1) RGPPL Gas	36.650	413.312	# Total Cent. Sector	79.477	970.570
2) Wind Generation	4.723	67.491	F) Other Exchanges		
3) CPP	28.043	279.502	1) With TPCL (Excess)	-12.864	-147.787
4) PENCH (MS)	0.161	3.604	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	14.140	168.892
1) TPCL Thermal	25.387	276.928	Include PX	0.000	0.000
2) TPCL Hydro	5.013	50.220	2) MUMBAI Bilateral	12.902	154.904
TOTAL TPCL	30.400	327.148	Include PX	0.393	15.532
3) REL Thermal	12.520	151.388	3) MUMBAI Schedule	12.902	157.279
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	160.064	2008.803	1) MSEDCL	305.433	3600.794
2) Hydro (A2+B3+C2)	37.067	311.600	2) TPCL	36.711	414.353
3) Gas (A3+B1)	51.843	589.151	3) REL	19.073	211.839
4) Wind (B2)	4.723	67.491	TOTAL STATE	361.217	4226.986
5) CPP (B3)	28.043	279.502			
TOTAL STATE	281.740	3256.547			

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	4940	5114	5364
MSGENCO Hydro	2129	1644	241
MSGENCO Gas	613	639	640
MSGENCO Total Generation	7682	7397	6245
Central Sector Receipt	3915	3317	2600
RGPPL	1515	1495	1590
WIND	19	272	322
CPP	1188	1179	1145
Exchange with Mumbai	-742	-728	-128
MSEDCL DEMAND MET	13577	12945	11774
Load Shedding (LS)	354	54	7
MSEDCL DEMAND (INCL. LS)	13931	12999	11781
TPCL GENERATION	1464	1435	1036
REL GENERATION	523	523	525
TPCL+REL DEMAND	2729	2686	1689
STATE DEMAND MET	16306	15631	13463
Load Management (LM)	2201	3474	1478
Total Load Relief (LS+LM)	2555	3528	1485
UNRESTRICTED STATE DEMAND	18861	19159	14948
Frequency (Hz)	49.67	49.57	49.64

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.3 Hz at 17.01 Hrs	49.26 Hz at 05.15 Hrs	49.67	0 % of Time(min)

* 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 12/Apr/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.88	47.50	170	146	160
Unit 6	3.96	52.85	180	135	190
Unit 7	3.78	49.80	165	150	160
	11.62	150.15			510
Bhusawal					
Unit 2	4.12	48.52	185	160	180
Unit 3	4.39	52.24	190	160	180
Unit 4		0.00	0	0	
	8.52	100.76			360
Parli					
Unit 3	3.98	38.03	195	143	185
Unit 4	4.42	53.13	200	155	190
Unit 5	4.12	49.59	185	155	185
Unit 6	5.20	64.66	240	186	180
Unit 7	3.70	56.07	234	101	130
	21.43	261.47			870
Chandrapur					
Unit 1	3.92	44.79	166	155	165
Unit 2	0.00	38.25	0	0	0
Unit 3	4.33	51.93	202	135	150
Unit 4	4.24	49.42	185	162	180
Unit 5	10.75	128.66	485	405	410
Unit 6	10.92	127.89	476	410	465
Unit 7	1.94	106.30	444	0	0
	36.10	547.23			1370
Paras					
Unit 3	5.46	51.37	236	215	250
Unit 4	5.75	67.13	256	195	250
	11.22	118.51			500
Khaparkheda					
Unit 1	4.84	56.70	210	180	190
Unit 2	4.61	43.39	200	180	190
Unit 3	5.00	59.30	221	185	190
Unit 4	5.20	62.52	223	180	190
Unit 5	0.00	0.00	0	0	
	19.66	221.92			760
Nasik					
Unit 1	0.00	14.92	0	0	0
Unit 2	2.03	21.13	92	78	81
Unit 3	4.12	50.90	195	145	172
Unit 4	3.88	48.33	181	137	162
Unit 5	3.60	45.17	167	130	132
	13.63	180.45			547
Uran					
All Units	15.19	175.84	646	613	640
	15.19	175.84			640
Dabhol					
RGPPL	36.65	413.31	1613	1283	1500
	36.65	413.31			1500
Koyna					
Stage 1-2	8.18	59.08	570	35	600
Stage 4	14.70	103.56	1033	0	250
Stage 3	4.73	34.85	320	0	320
	27.61	197.48			1170
Kovna 12&4 Total	22.88	162.63			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.46	5.46	20	19	20
VTRNA	1.42	14.40	60	58	60
TILLARI	0.19	4.20	57	0	60
BHTGR/VEER	0.43	4.70	18	18	15
BHIRA T.R.	0.22	3.11	82	0	80
RNGR+BHTSA	0.36	4.18	15	15	12
BHANDARDRA	0.00	4.30	0	0	0
ELDARY	0.16	0.16	18	0	0
SMLHY PTN	1.05	11.25	51	41	6
GHATGHAR	0.00	8.56	0	0	0
	4.28	60.29			253
PENCH (MS)					
Pench (MS)	0.16	3.60	52	0	
	0.16	3.60			
Wind					
MalharPeth	0.20	2.44			
Vankuswadi	0.24	5.04			
ATIT	0.11	1.58			
Kale	0.15	2.01			
Satara	0.26	5.04			
Shirala	0.16	2.32			
K Mahankal	0.10	1.80			
Supa	0.06	1.12			
Vita	0.78	8.42			
Dondaicha	1.94	24.84			
Sakri	0.31	3.85			
Nandurbar	0.13	3.07			
Khandke	0.20	3.10			
Khaparale	0.08	2.88			
	4.72	67.49			
CPP					
JSW JAIGAD	14.44	163.22	607	594	550
WARDHA	7.88	62.98	349	304	330
Other CPPs	5.72	53.30			
	28.04	279.50			880
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.55	116.26	490	430	500
Trombay 6	3.60	52.86	150	150	500
Trombay 7A	2.85	34.88	121	116	120
Trombay 7B	1.58	19.03	66	65	60
Trombay 8	5.81	53.90	251	150	250
TATA Hydro	5.01	50.22	440	0	447
	30.40	327.15			1877
REL					
1&2	12.52	151.39	527	506	500
	12.52	151.39			500
Cent Sect					
Share					3324
					3324

MS PG CL	Thermal	122.16	1580.49		4917
	Thml+Gas	137.35	1756.33		5557
	Hydro	31.89	257.78		1423
	Total	169.24	2014.10		6980
State Total		281.74	3256.55		15061

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/Apr/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAN D WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS														
1	5570	189	632	6391	1608	240	1120	2845	2777	-511	-430	11707	2158	11707	2050	15915	49.56
2	5529	198	639	6366	1613	216	1147	2723	2657	-388	-305	11694	2047	11694	1868	15609	49.68
3	5399	191	641	6231	1607	346	1150	2576	2550	-244	-189	11695	1514	11702	1751	14960	49.70
4	5364	241	640	6245	1590	322	1145	2493	2600	-156	-128	11774	1485	11781	1689	14948	49.64
5	5264	617	633	6514	1586	207	1146	2461	2564	-123	-119	11898	1590	11905	1648	15136	49.53
6	4905	1585	646	7136	1585	252	1163	2461	2533	-123	-129	12540	1841	12555	1680	16061	49.46
7	4873	1893	641	7407	1595	285	1163	2789	2581	-216	-188	12843	2002	12891	1775	16620	49.62
8	4977	1830	645	7452	1595	160	1162	2939	2928	-374	-339	12958	2016	13020	1830	16804	49.67
9	4966	1795	635	7396	1539	108	1166	3100	3421	-442	-420	13210	2118	13374	2069	17397	49.67
10	4989	2029	632	7650	1517	57	1173	3274	3290	-494	-484	13203	2167	13333	2380	17750	49.64
11	4989	1922	630	7541	1521	42	1171	3445	3846	-604	-607	13514	2432	13768	2645	18591	49.74
12	4940	2129	613	7682	1515	19	1188	3613	3915	-772	-742	13577	2555	13931	2729	18861	49.67
13	4968	1880	614	7462	1511	20	1153	3613	4112	-772	-770	13488	2562	13845	2757	18807	49.67
14	5030	1529	613	7172	1510	70	1198	3582	4346	-738	-758	13538	2470	13803	2704	18712	49.75
15	5019	1850	615	7484	1510	135	1189	3513	4113	-738	-799	13632	2340	13867	2762	18734	49.70
16	4901	2043	625	7569	1510	196	1193	3406	4187	-748	-801	13854	2247	14086	2778	18879	49.74
17	4938	2100	626	7664	1506	177	1202	3406	3834	-748	-777	13606	2240	13867	2754	18600	49.73
18	5005	1183	637	6825	1502	147	1181	3382	3739	-724	-721	12673	2510	12960	2705	17888	49.98
19	5132	944	635	6711	1497	298	1176	3198	3571	-706	-713	12540	3191	12594	2620	18351	49.76
20	5114	1644	639	7397	1495	272	1179	3277	3317	-703	-728	12945	3528	12999	2686	19159	49.57
21	5114	1233	640	6987	1490	334	1186	3292	3285	-717	-748	12577	3517	12607	2623	18717	49.61
22	5105	1008	643	6756	1483	268	1148	3263	3221	-688	-708	12220	3491	12224	2513	18224	49.61
23	5072	927	638	6637	1482	328	1172	3101	3164	-592	-637	12172	3487	12172	2417	18076	49.65
24	4994	933	641	6568	1283	224	1172	2975	2926	-583	-624	11575	3101	11575	2351	17027	49.66
MUs	122.16	31.89	15.19	169.24	36.65	4.72	28.04	74.73	79.48	-12.90	-12.86	305.43	58.61	308.26	55.78	419.83	49.67

NOTE : ALL VALUES IN MW

Mumbai Sch./Net Exch is shown with reference to MSETCL System. (+) indicates Mum. to MSETCL and (-) indicates MSETCL to Mum. Mumbai Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss # Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 12/Apr/2011

Position as on 6.30 Hrs of 13/Apr/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Dabhol 1B	230	15/03/2011	02.37		Continued.	Upgradation Work.	27/04/2011
Cent_Sect NTPC(K-3)	210	31/03/2011	23.46		Continued.	Annual Overhaul	30/04/2011
Cent_Sect sipat-5	500	01/04/2011	00.14		Continued.	Annual Overall.	25/04/2011
Cent_Sect NTPC(V-4)	210	10/04/2011	00.01		Continued.	Annual overhaul.	10/05/2011
FORCED OUTAGE							
Cent_Sect NTPC(K-7)	500	10/04/2011	07.45		Continued.	Boiler tube leakage.	13/04/2011
Nasik Unit 1	125	10/04/2011	22.50		Continued.	Boiler tube leakage.	14/04/2011
Chandrapur Unit 2	210	11/04/2011	10.33		Continued.	Economiser Tube Leakage	13/04/2011
Chandrapur Unit 7	500	12/04/2011	04.57		Continued.	Boiler Tube Leakage	15/04/2011
Dabhol 1A	230	13/04/2011	04.47		Continued.	Drum Level Problem	
Dabhol 1X	290	13/04/2011	04.50		Continued.	Drum Level Problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Apr/2011

Position as on 6.30 Hrs of 13/Apr/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali -Tarapur	03/04/2011	09.10		Continued.	LILO work of 220KV Borivali-Boiser at 220KV Ghodbander.(up to 20.04.2011)
Mudshingi-Chikodi	12/04/2011	11.45	12/04/2011	17.35	Breaker Overhauling
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Pench-Mansar	08/04/2011	10.35		Continued.	Replacement of relay & control pannel.up to 15.04.2011.
Pench - Kanhan	08/04/2011	10.39		Continued.	Replacement of relay & control pannel.Up to 15.04.2011.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	10/04/2011	00.10	12/04/2011	09.01	Over Voltage.
Wardha - Akola - II	11/04/2011	23.40	12/04/2011	05.43	Over Voltage
Dhule-Sar'Sarovar - I	12/04/2011	18.12		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Line Reactor of BSL-KORDY at BSL end	18/03/2011	12.51		Continued.	O/H work up to 14.04.2011.
400/132KV 200 MVA ICT-II @ Bhusawal	06/04/2011	08.44		Continued.	Replacement of 132KV Side Bus-I & II Isolators of 200MVA 400/132KV ICT-II Under LES Scheme.LV side taken on TBC.
Padgha - Chakan	07/04/2011	07.00		Continued.	LILO Arrangement @ 400 KV Talegaon PG S/S.(Outage Till 14.04.11)
Newkoyna - Jaigad - I	12/04/2011	08.40	12/04/2011	21.14	Insulator cleaning
400/220 KV 315 MVA ICT - I @ Chakan	12/04/2011	09.44	12/04/2011	19.42	DGA system monitoring
Padgha - Nagothane - I	12/04/2011	10.07	12/04/2011	20.18	LA replacement
400 KV Bus Coupler @ Chakan	12/04/2011	14.52	12/04/2011	17.55	Tan Delta testing
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(6 MonthOutage.)
220/7 KV 20 MVA Stn.T/F-II at Korady	31/03/2011	10.47		Continued.	Oil Leakage.
Borivali-Boisar	03/04/2011	09.48		Continued.	LILO work of 220KV Borivali-Boiser at 220KV Ghodbandar(Up to 20/4/11)
220/132 KV 100 MVA ICT @ Parli - I	12/04/2011	09.19	12/04/2011	16.05	To attend Hot Spot
Vita - Miraj	12/04/2011	10.10	12/04/2011	15.13	Q.M.Work
Karad - Ogalewadi - II	12/04/2011	10.11	12/04/2011	16.28	Q.M.Work
Mudshingi-Wathar	12/04/2011	10.25	12/04/2011	18.45	Insulator replacement
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV 500 MVA ICT-I @ Jejuri	12/04/2011	00.18	12/04/2011	03.09	Checking oil level of Conservator tank and Buchholz relay
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Kalwa - Airoli - Knowledge Park.	12/04/2011	07.32	12/04/2011	13.40	CT Leakage
220/100 KV,100 MVA ICT-I @ Tambati	12/04/2011	15.35	12/04/2011	20.11	PRV replacement
Voltage Level : 400KV			Outage Type HAND TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Apr/2011

Position as on 6.30 Hrs of 13/Apr/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	11/04/2011	22.14	12/04/2011	06.22	Over Voltage
Bhusawal- Aurangabad	12/04/2011	21.58	13/04/2011	06.05	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Abhijeet II	05/03/2011	07.49		Continued.	To control 220KV A'zari-AEPL loading.
Babaleshwar - Bhenda	05/03/2011	20.47		Continued.	To control BBLSR ICT Load
Chandrapur-Warora - I	08/04/2011	08.00		Continued.	To control Wrrahnght L/L.
BBLSR-Waluj	09/04/2011	10.14		Continued.	To control A'bad ICT Loading.
Dhule-Chalisgaon	09/04/2011	15.54		Continued.	H/T to control Dhule ICTs over loading.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Supa - Shirur	07/03/2011	15.15		Continued.	To control Lonikand ICT Load
Voltage Level : 100KV			Outage Type HAND TRIPPED		
Kalwa - Salsette - II	05/04/2011	10.56		Continued.	From Kalwa End
Voltage Level : 500KV			Outage Type TRIPPED		
HVDC POLE II - CHDPR	12/04/2011	07.31	12/04/2011	09.34	Trip on Reduced voltage at C'Pur end
Voltage Level : 400KV			Outage Type TRIPPED		
Newkoyna - Jaigad - I	13/04/2011	03.25	13/04/2011	04.13	Distance Protection
Voltage Level : 220KV			Outage Type TRIPPED		
220/100KV 200MVA ICT-III at Kalwa	03/04/2011	16.00		Continued.	Buchholz Trip, Diff. Prot. operated, PRV tripped
220/132KV, 50 MVA T/F-I at Chakan	10/04/2011	07.03		Continued.	Differential protection.
220/110KV 200MVA ICT-II at Mudshingi	10/04/2011	18.10		Continued.	Differential Protection
Karad-Pophali	11/04/2011	12.56	12/04/2011	00.30	Distance protection
Nasik - Ghatghar	12/04/2011	12.50	12/04/2011	13.05	Distance protection
Karad-Kolhapur - II	12/04/2011	17.33	12/04/2011	18.34	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Gangakhed - Kandhar	13/04/2011	01.40	13/04/2011	02.24	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/Apr/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	170
Unit 6	210	170
Unit 7	210	180
	620	520
Bhusawal		
Unit 2	210	180
Unit 3	210	185
Unit 4	0	
	420	365
Parli		
Unit 3	210	163
Unit 4	210	168
Unit 5	210	178
Unit 6	250	220
Unit 7	250	220
	1130	949
Chandrapur		
Unit 1	210	165
Unit 2	210	0
Unit 3	210	190
Unit 4	210	170
Unit 5	500	470
Unit 6	500	470
Unit 7	500	0
	2340	1465
Paras		
Unit 3	250	210
Unit 4	250	230
	500	440
Khaparkheda		
Unit 1	210	210
Unit 2	210	200
Unit 3	210	210
Unit 4	210	210
Unit 5	0	
	840	830
Nasik		
Unit 1	120	0
Unit 2	120	90
Unit 3	210	180
Unit 4	210	160
Unit 5	210	170
	870	600
Uran		
All Units	852	640
	852	640
Dabhol		
RGPP	1940	1500
	1940	1500
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	19

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	18
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	
SMLHY PTN	12	24
GHATGHAR	250	
	611	276
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	
Khandke	0	
Khaparale	0	
	0	
CPP		
JSW JAIGAD	600	550
WARDHA	405	330
Other CPPs	0	
	1005	880
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3274
	3455	3274