



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

State Load Dispatch Center, Airoli

Daily system Report

for

17/Apr/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 17/Apr/2011 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.569	2178.993	1) Madhya Pradesh	50.908	855.339
2) Hydro	24.173	396.876	2) Gujrat	34.200	557.482
3) Gas	15.197	250.992	3) Goa	-6.590	-113.008
Total MSGENCO	164.939	2826.861	4) TAPS 1&2 (Inj.)	7.890	103.333
B) OTHERS			5) Pench (Excess)	-0.212	-5.125
1) RGPPL Gas	34.807	589.212	# Total Cent. Sector	86.196	1398.021
2) Wind Generation	8.540	102.528	F) Other Exchanges		
3) CPP	22.756	407.702	1) With TPCL (Excess)	-10.443	-212.574
4) PENCH (MS)	0.212	5.125	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	15.062	246.219
1) TPCL Thermal	24.463	406.484	Include PX	0.000	2.294
2) TPCL Hydro	0.037	66.736	2) MUMBAI Bilateral	10.786	220.729
TOTAL TPCL	24.500	473.220	Include PX	0.296	22.527
3) REL Thermal	12.561	214.339	3) MUMBAI Schedule	10.786	223.104
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	162.593	2799.816	1) MSEDCL	307.007	5116.875
2) Hydro (A2+B3+C2)	24.422	468.737	2) TPCL	31.058	593.915
3) Gas (A3+B1)	50.004	840.204	3) REL	16.443	306.162
4) Wind (B2)	8.540	102.528	TOTAL STATE	354.508	6016.952
5) CPP (B3)	22.756	407.702			
TOTAL STATE	268.315	4618.987			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5255	5320	4999
MSGENCO Hydro	1736	220	1312
MSGENCO Gas	620	640	645
MSGENCO Total Generation	7611	6180	6956
Central Sector Receipt	4098	3883	2797
RGPPL	1466	1434	1433
WIND	79	578	407
CPP	962	921	904
Exchange with Mumbai	-450	-542	-378
MSEDCL DEMAND MET	13776	12480	12119
Load Shedding (LS)	0	0	0
MSEDCL DEMAND (INCL. LS)	13776	12480	12119
TPCL GENERATION	1074	1160	840
REL GENERATION	524	522	523
TPCL+REL DEMAND	2048	2224	1741
STATE DEMAND MET	15824	14704	13860
Load Management (LM)	1939	3453	1532
Total Load Relief (LS+LM)	1939	3453	1532
UNRESTRICTED STATE DEMAND	17763	18157	15392
Frequency (Hz)	49.93	49.92	49.83

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.42 Hz at 16.01 Hrs	49.46 Hz at 23.04 Hrs	49.92	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 17/Apr/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.99	67.49	175	151	160
Unit 6	4.23	74.10	193	156	170
Unit 7	3.78	69.48	175	140	150
	11.99	211.08			480
Bhusawal					
Unit 2	3.83	67.04	170	150	180
Unit 3	2.02	65.08	175	0	0
Unit 4		0.00	0	0	
	5.85	132.12			180
Parli					
Unit 3	4.21	59.12	192	146	185
Unit 4	3.38	71.89	152	132	160
Unit 5	3.56	69.23	175	132	165
Unit 6	5.48	92.65	248	199	230
Unit 7	5.34	83.43	243	200	240
	21.97	376.32			980
Chandrapur					
Unit 1	3.69	61.14	161	137	165
Unit 2	3.51	47.12	159	129	150
Unit 3	4.24	71.59	190	158	180
Unit 4	0.00	60.64	0	0	0
Unit 5	9.46	176.92	430	325	325
Unit 6	10.43	176.41	465	390	450
Unit 7	8.67	115.59	425	214	250
	40.01	709.41			1520
Paras					
Unit 3	4.68	78.12	212	176	200
Unit 4	5.21	95.56	235	181	220
	9.89	173.68			420
Khaparkheda					
Unit 1	4.21	79.78	195	165	190
Unit 2	4.41	65.98	191	172	190
Unit 3	4.63	82.83	200	184	200
Unit 4	4.94	88.37	218	189	210
Unit 5		0.00	0	0	
	18.20	316.96			790
Nasik					
Unit 1	2.06	21.54	97	76	90
Unit 2	1.92	30.96	85	75	90
Unit 3	4.55	73.08	195	185	190
Unit 4	4.65	68.76	213	134	190
Unit 5	4.48	65.09	198	168	190
	17.66	259.42			750
Uran					
All Units	15.20	250.99	646	618	630
	15.20	250.99			630
Dabhol					
RGPPL	34.81	589.21	1478	1422	1500
	34.81	589.21			1500
Koyna					
Stage 1-2	5.10	89.61	550	35	600
Stage 4	11.06	169.21	1038	0	250
Stage 3	3.96	56.05	320	0	320
	20.12	314.87			1170
Kovna 12&4 Total	16.16	258.82			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.46	7.75	20	19	19
VTRNA	1.17	21.04	61	0	60
TILLARI	0.18	5.10	59	0	60
BHTGR/VEER	0.45	5.98	20	18	4
BHIRA T.R.	0.11	4.23	52	0	80
RNGR+BHTSA	0.31	5.81	13	12	4
BHANDARDRA	0.00	4.30	0	0	0
ELDARY	0.35	1.87	15	14	0
SMLHY PTN	1.04	16.68	52	40	10
GHATGHAR	0.00	9.26	0	0	0
	4.05	82.01			237
PENCH (MS)					
Pench (MS)	0.21	5.12	27	0	
	0.21	5.12			
Wind					
MalharPeth	0.30	3.61			
Vankuswadi	0.30	6.98			
ATIT	0.05	2.19			
Kale	0.10	2.60			
Satara	0.54	6.43			
Shirala	0.10	3.05			
K Mahankal	0.00	2.63			
Supa	0.09	1.55			
Vita	1.07	13.36			
Dondaicha	4.12	40.34			
Sakri	0.58	6.15			
Nandurbar	0.49	4.91			
Khandke	0.40	4.49			
Khaparale	0.39	4.26			
	8.54	102.53			
CPP					
JSW JAIGAD	12.17	228.38	533	464	525
WARDHA	4.87	94.84	234	96	230
Other CPPs	5.72	84.48			
	22.76	407.70			755
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.94	173.14	490	325	490
Trombay 6	4.26	75.05	225	150	500
Trombay 7A	2.87	49.19	122	118	120
Trombay 7B	1.57	26.86	66	65	60
Trombay 8	4.83	82.25	250	150	250
TATA Hydro	0.04	66.74	12	0	447
	24.50	473.22			1867
REL					
1&2	12.56	214.34	525	521	500
	12.56	214.34			500
Cent Sect					
Share					3117
					3117

MS PG CL	Thermal	125.57	2178.99			5120
	Thml+Gas	140.77	2429.98			5750
	Hydro	24.17	396.88			1407
	Total	164.94	2826.86			7157
State Total		268.32	4618.99			14896

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/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	5081	1504	632	7217	1447	416	898	2961	3159	-631	-572	12590	2055	12590	2150	16795	49.83
2	5002	1192	637	6831	1432	398	890	2867	3181	-539	-550	12208	1949	12208	1970	16127	49.86
3	4969	1234	641	6844	1431	404	890	2770	2996	-447	-450	12123	1501	12123	1832	15456	49.77
4	4999	1312	645	6956	1433	407	904	2709	2797	-380	-378	12119	1532	12119	1741	15392	49.83
5	5040	1419	641	7100	1433	361	935	2680	2871	-352	-364	12336	1625	12336	1703	15664	49.87
6	5019	1762	644	7425	1433	341	1012	2651	2848	-323	-351	12708	1764	12708	1725	16197	49.70
7	5214	1548	640	7402	1435	329	998	2914	3165	-323	-267	13062	1778	13062	1693	16533	49.91
8	5205	1060	644	6909	1440	306	1005	2885	3869	-295	-254	13275	1778	13275	1692	16745	50.05
9	5294	663	639	6596	1461	168	1010	2907	4264	-319	-253	13246	1778	13246	1748	16772	49.97
10	5319	1163	633	7115	1465	115	1014	3013	3741	-410	-327	13149	1892	13207	1870	16911	49.85
11	5233	1299	623	7155	1464	75	1002	3032	4096	-427	-404	13414	1939	13414	1987	17340	49.82
12	5255	1736	620	7611	1466	79	962	3080	4098	-475	-450	13776	1939	13776	2048	17763	49.93
13	5292	1989	619	7900	1466	79	955	3104	3870	-499	-469	13809	1934	13809	2072	17815	49.89
14	5384	1612	620	7616	1478	119	942	3104	3923	-499	-444	13634	1934	13634	2047	17615	49.99
15	5330	1364	618	7312	1476	149	945	3036	4315	-429	-405	13792	1952	13792	2057	17801	49.95
16	5373	1083	622	7078	1474	506	945	3034	4100	-419	-408	13695	1878	13695	2054	17627	50.01
17	5376	716	624	6716	1470	507	945	3040	4035	-427	-402	13271	1865	13271	1998	17134	50.03
18	5314	222	626	6162	1468	553	937	3040	3605	-427	-399	12326	2199	12326	1975	16500	50.00
19	5318	215	628	6161	1468	692	941	2924	3164	-462	-453	11981	3106	11987	2010	17097	50.04
20	5376	246	632	6254	1466	564	935	3072	3549	-494	-491	12304	3455	12321	2151	17910	49.91
21	5320	220	640	6180	1434	578	921	3134	3883	-542	-542	12480	3453	12480	2224	18157	49.92
22	5316	205	641	6162	1423	453	927	3198	3728	-566	-585	12130	3453	12130	2231	17814	50.00
23	5312	206	642	6160	1422	365	942	3128	3626	-540	-620	11895	3453	11895	2269	17617	49.97
24	5228	204	646	6078	1422	576	901	3067	3314	-564	-605	11686	3067	11686	2254	17007	49.95
MUs	125.57	24.17	15.20	164.94	34.81	8.54	22.76	71.35	86.20	-10.79	-10.44	307.01	53.28	307.09	47.50	407.79	49.92

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 17/Apr/2011

Position as on 6.30 Hrs of 18/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							
Bhusawal Unit 3	210	15/04/2011	16.09	17/04/2011	09.36	Boiler Tube Leakage.	
Chandrapur Unit 4	210	15/04/2011	23.56		Continued.	Occurrence at 400KV Chandrapur	18/04/2011
CPP WPCL U-2	135	16/04/2011	00.44	17/04/2011	03.43	Maintenance work.	
Cent_Sect NTPC(V-7)	500	16/04/2011	17.35	17/04/2011	20.26	Boiler tube leakage.	
CPP WPCL U-1	135	16/04/2011	21.00		Continued.	Suspected boiler tube leakage.	18/04/2011

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/Apr/2011

Position as on 6.30 Hrs of 18/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)
Bhoisor - Bhoisor PGCIL-II	17/04/2011	09.28	17/04/2011	17.20	Replacement of damaged conductor.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Pench-Mansar	08/04/2011	10.35		Continued.	Replacement of relay & control pannel.up to 22.04.2011.
Pench - Kanhan	08/04/2011	10.39		Continued.	Replacement of relay & control pannel.Up to 22.04.2011.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-S'Sarovar I	16/04/2011	17.40	17/04/2011	07.29	Over Voltage.
Dhule-Sar'Sarovar - II	16/04/2011	23.27		Continued.	Over Voltage.
Kolhapur - Mapusa - II	17/04/2011	21.53		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Kalmeshwar - Pandurna	17/04/2011	14.06	17/04/2011	14.35	Distance protection.
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 19.04.2011.
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.
400/220 KV 100 MVA Spare Unit @ Koradi	14/04/2011	09.18		Continued.	Shifting to Replace R Ph Unit of ICT-I.
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)
Kalwa - Tifil	15/04/2011	09.42		Continued.	Stringing of 4th ckt. between Mahape S/S and TIFIL LILO Tower.,up to 22.04.2011.
220/132 KV 100 MVA ICT-II @ Parbhani	16/04/2011	11.38		Continued.	Augmentation by 200MVA ICT.
Trombay - Tata Tie - II	17/04/2011	06.33	17/04/2011	21.25	Bay maintenance.
220/33KV,100MVA T/F-IV at Aarey	17/04/2011	07.00	17/04/2011	20.43	Annual maintenance.
Kandalgaon - Dasturi	17/04/2011	09.01	17/04/2011	18.02	Replacement of CC,WT and LA.
Chandrapur-Wani	17/04/2011	10.19	17/04/2011	14.43	Testing of distance protection scheme.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 300 MVA ICT-I @ Koradi	16/04/2011	22.46	17/04/2011	14.04	LV side to observe performance of ICT-I on no load.
Bhusawal- Aurangabad	17/04/2011	20.27		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur-Warora - I	08/04/2011	08.00	17/04/2011	10.15	To control Warora-Hinganghat 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.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 17/Apr/2011

Position as on 6.30 Hrs of 18/Apr/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bus Coupler @ WPCL	13/04/2011	15.37		Continued.	At Warora-WPCL - I Y Ph P T Humming Sound.
Hingoli-Pusad	15/04/2011	12.17	17/04/2011	23.58	To control Wardha-Y'mal loading.
Chandrapur-Warora - I	17/04/2011	15.00		Continued.	To control Warora-Hinganghat line 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 : 400KV			Outage Type TRIPPED		
400/220KV 315MVA ICT-III at Karad.	17/04/2011	19.18	17/04/2011	22.12	Trip,CB pole discrepancy.
Karad - Kolhapur - II	18/04/2011	00.56		Continued.	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(Failed).
220/110KV 200MVA ICT-II at Mudshingi	10/04/2011	18.10		Continued.	Differential Protection, Defective B Phase LA replaced
Talangade - Mumewadi	17/04/2011	17.49	18/04/2011	00.49	Distance protection.Declared faulty.
New Paras TPS-Alola-II	17/04/2011	18.25	17/04/2011	18.46	Distance protection.
Karad Mudsingi-II	17/04/2011	19.45	17/04/2011	21.39	Distance protection.
Parbhani-Parli	17/04/2011	23.53		Continued.	Distance Protection, Declared Faulty
Voltage Level : 132KV			Outage Type TRIPPED		
Lalkhedi - Durgwada	17/04/2011	09.07	17/04/2011	09.15	Distance protection.
Purna-Basmat	17/04/2011	14.35	17/04/2011	20.40	Distance protection.
Chakur - Udgir	17/04/2011	17.05	17/04/2011	17.22	Distance protection.
Harangul-Chakur	17/04/2011	17.05	17/04/2011	17.22	Distance protection
Ujani-Umarga	17/04/2011	17.55	17/04/2011	18.55	Distance protection.
Kandhar-Mukhed	18/04/2011	04.51	18/04/2011	05.14	Tripped.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 18/Apr/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	180
Unit 6	210	190
Unit 7	210	180
	620	550
Bhusawal		
Unit 2	210	150
Unit 3	210	175
Unit 4	0	
	420	325
Parli		
Unit 3	210	160
Unit 4	210	165
Unit 5	210	150
Unit 6	250	220
Unit 7	250	220
	1130	915
Chandrapur		
Unit 1	210	165
Unit 2	210	160
Unit 3	210	200
Unit 4	210	0
Unit 5	500	440
Unit 6	500	425
Unit 7	500	480
	2340	1870
Paras		
Unit 3	250	150
Unit 4	250	250
	500	400
Khaparkheda		
Unit 1	210	190
Unit 2	210	200
Unit 3	210	200
Unit 4	210	210
Unit 5	0	
	840	800
Nasik		
Unit 1	120	90
Unit 2	120	90
Unit 3	210	190
Unit 4	210	200
Unit 5	210	180
	870	750
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	13
BHANDARDRA	45	0
ELDARY	23	14
SMLHY PTN	12	10
GHATGHAR	250	0
	611	274
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	500
WARDHA	405	230
Other CPPs	0	
	1005	730
Tata		
Trombay 4	150	0
Trombay 5	500	490
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1867
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3405
	3455	3405