



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

State Load Dispatch Center, Airoli

Daily system Report

for

06/Apr/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 06/Apr/2012 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.800	752.059	1) Gujrat	5.546	23.014
2) Hydro	5.813	50.858	2) Madhya Pradesh	19.770	129.542
3) Gas	10.328	84.910	3) Chattisgarh	11.070	62.780
Total MSGENCO	138.941	887.827	4) Maharashtra	54.489	318.377
B) OTHERS			5) Goa	-6.753	-40.778
1) JSW JAIGAD	27.292	162.922	6) TAPS 1&2 Injection	7.765	46.428
2) WPCL	9.586	55.342	7) RGPPL Injection	29.011	174.776
3) Other CPP / IPP	10.360	66.079	8) Pench (Excess)	-0.259	-2.053
4) Wind Generation	13.234	45.264	# Total Cent. Sector	120.639	712.086
5) PENCH (MS)	0.259	2.053	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-10.560	-72.647
1) TPCL Thermal	28.995	168.824	G) Bilateral Power *		
2) TPCL Hydro	2.483	20.210	1) MSEDCL Bilateral	38.356	234.218
TOTAL TPCL	31.478	189.034	Include PX	0.000	0.000
3) REL Thermal	12.595	75.506	2) MUMBAI Bilateral	13.160	81.097
D) STATE			Include PX	1.511	12.065
1) Thermal (A1+C1+C3)	164.390	996.389	3) MUMBAI Schedule	13.160	81.097
2) Hydro (A2+B5+C2)	8.555	73.121	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.328	84.910	1) MSEDCL	309.751	1858.926
4) Wind (B4)	13.234	45.264	2) TPCL	35.536	222.553
5) CPP (B1+B2+B3)	47.238	284.343	3) REL	19.092	114.626
TOTAL STATE	243.745	1484.027	TOTAL STATE	364.379	2196.105

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5176	5320	4954
MSGENCO Hydro	481	116	117
MSGENCO Gas	277	388	657
MSGENCO Total Generation	5934	5824	5728
Central Sector Receipt	5554	4695	4885
WIND	259	534	794
CPP / IPP	2019	2022	1839
Exchange with Mumbai	-480	-601	-390
MSEDCL DEMAND MET	13311	12479	12856
Load Shedding	1215	1244	341
MSEDCL DEMAND	14526	13723	13197
TPCL GENERATION	1661	1485	856
R-INFRA GENERATION	524	525	526
TPCL+R-INFRA DEMAND	2665	2611	1772
STATE DEMAND MET	15976	15090	14628
STATE DEMAND	17191	16334	14969
Frequency (Hz)	49.81	49.91	50.06

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.47 Hz at 07.01 Hrs	49.31 Hz at 18.11 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 06/Apr/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.61	20.02	163	136	150
Unit 6	3.82	19.45	172	134	160
Unit 7	3.75	22.68	180	130	140
Total	11.18	62.15			450
Bhusawal					
Unit 2	4.05	24.20	180	160	180
Unit 3	3.74	24.91	185	0	190
Unit 4	2.47	11.78	190	0	
Total	10.26	60.90			370
Parli					
Unit 3	3.49	4.10	163	123	140
Unit 4	3.31	20.07	149	120	140
Unit 5	0.00	12.01	0	0	135
Unit 6	3.81	23.50	178	134	0
Unit 7	3.49	21.92	193	76	77
Total	14.10	81.60			492
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.90	23.56	170	139	170
Unit 3	4.37	26.86	194	154	190
Unit 4	4.49	27.42	204	165	200
Unit 5	10.99	65.02	480	435	475
Unit 6	9.73	61.16	443	365	400
Unit 7	10.08	60.70	447	388	450
Total	43.57	264.72			1885
Paras					
Unit 3	5.61	31.29	255	204	250
Unit 4	5.38	30.97	253	190	230
Total	10.99	62.26			480
Khaparkheda					
Unit 1	4.65	28.36	210	170	210
Unit 2	4.09	24.62	188	115	180
Unit 3	4.70	19.91	210	168	210
Unit 4	4.26	27.04	198	156	210
Unit 5	1.07	35.32	219	0	
Total	18.76	135.24			810
Nasik					
Unit 3	4.82	28.72	220	160	200
Unit 4	4.38	28.28	200	164	170
Unit 5	4.75	28.19	206	185	200
Total	13.94	85.19			570
Uran					
All Units	10.33	84.91	657	105	70
Total	10.33	84.91			70
PENCH (MS)					
Pench (MS)	0.26	2.05	30	0	
Total	0.26	2.05			
Koyna					
Stage 1-2	1.74	13.47	285	35	600
Stage 4	0.00	6.49	0	0	250
Stage 3	0.76	4.91	160	0	320
Total	2.50	24.87			1170
Kovna 12&4 Total	1.74	19.96			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	2.12	0	0	0
VTRNA	0.82	3.98	61	0	60
TILLARI	0.13	1.96	42	0	60
BHTGR/VEER	0.10	0.57	5	4	4
BHIRA T.R.	0.18	1.07	81	0	71
RNGR+BHTSA	0.31	1.88	13	13	13
BHANDARDRA	0.65	4.32	28	27	30
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.54	4.33	23	22	0
GHATGHAR	0.58	5.76	120	0	0
Total	3.31	25.99			238
Wind					
MalharPeth	0.52	1.72			
Vankuswadi	0.82	3.07			
ATIT	0.13	0.94			
Kale	0.26	1.10			
Satara	1.32	3.84			
Shirala	0.22	0.96			
K Mahankal	0.02	1.87			
Supa	0.22	0.88			
Vita	0.59	3.58			
Dondaicha	6.56	18.67			
Sakri	0.91	2.96			
Nandurbar	0.62	2.07			
Khandke	0.46	1.79			
Khaparale	0.59	1.81			
Total	13.23	45.26			
CPP					
JSW JAIGAD	27.29	162.92	1167	1073	1045
WARDHA	9.59	55.34	436	342	437
Other CPPs	10.36	66.08			
Total	47.24	284.34			1482
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.46	63.16	504	281	500
Trombay 6	6.93	42.54	456	157	500
Trombay 7A	2.99	17.80	128	120	120
Trombay 7B	1.65	9.87	69	68	60
Trombay 8	5.96	35.45	253	210	250
TATA Hydro	2.48	20.21	259	0	297
Total	31.48	189.03			1727
REL					
1&2	12.60	75.51	527	522	500
Total	12.60	75.51			500
Cent Sect					
Share					4927
Total					4927

MS PG CL	Thermal	122.80	752.06			5057
	Thml+Gas	133.13	836.97			5127
	Hydro	5.81	50.86			1408
	Total	138.94	887.83			6535
State Total		243.74	1484.03			15171

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 06/Apr/2012

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	4946	107	648	5701	816	1963	5037	5465	-622	-526	13419	169	13588	2186	15774	49.83
2	4873	112	657	5642	828	1971	4910	5055	-489	-341	13155	303	13458	1967	15425	50.04
3	4907	107	657	5671	786	1839	4575	5012	-448	-350	12958	336	13294	1849	15143	50.04
4	4954	117	657	5728	794	1839	4577	4885	-448	-390	12856	341	13197	1772	14969	50.06
5	5001	107	656	5764	767	1832	4578	4998	-448	-318	13043	352	13395	1738	15133	50.03
6	5051	127	269	5447	737	1882	4544	5225	-448	-188	13103	533	13636	1784	15420	49.92
7	5142	357	110	5609	680	1872	4552	4845	-452	-195	12811	1275	14086	1817	15903	50.13
8	5170	203	105	5478	518	1914	4565	4874	-464	-251	12533	1364	13897	1888	15785	50.22
9	5213	170	202	5585	393	1964	4559	5023	-475	-263	12702	1061	13763	2011	15774	50.04
10	5190	277	226	5693	311	1962	4651	5497	-521	-268	13195	965	14160	2257	16417	49.95
11	5175	403	233	5811	257	2020	4838	5571	-571	-460	13206	1037	14243	2619	16862	49.85
12	5176	481	277	5934	259	2019	4868	5554	-603	-480	13311	1215	14526	2665	17191	49.81
13	5118	287	345	5750	282	2017	4857	5552	-602	-464	13162	1262	14424	2642	17066	49.89
14	5124	296	259	5679	347	2016	4818	5544	-563	-456	13155	1165	14320	2559	16879	49.88
15	5195	200	262	5657	398	2020	5012	5547	-565	-538	13109	1033	14142	2603	16745	49.90
16	5256	121	430	5807	470	2010	4989	5311	-585	-547	13076	1168	14244	2615	16859	49.99
17	5320	116	388	5824	534	2022	4583	4695	-571	-601	12479	1244	13723	2611	16334	49.91
18	5214	177	393	5784	583	2004	4553	3746	-536	-573	11544	869	12413	2552	14965	50.06
19	5177	171	528	5876	739	1980	4666	3951	-549	-548	11998	400	12398	2471	14869	49.81
20	5256	374	509	6139	650	2009	4891	4753	-652	-618	12948	359	13307	2588	15895	49.74
21	5211	410	597	6218	548	2028	4925	4791	-644	-554	13057	312	13369	2486	15855	49.82
22	5051	329	636	6016	527	2024	4916	4718	-629	-553	12758	278	13036	2406	15442	49.71
23	5022	366	640	6028	518	2026	4816	4950	-638	-529	13018	250	13268	2306	15574	49.73
24	5058	398	644	6100	496	2005	4908	5079	-638	-549	13161	198	13359	2241	15600	49.71
MUs	122.80	5.81	10.33	138.94	13.24	47.24	114.19	120.64	-13.16	-10.56	309.76	17.49	327.25	54.63	381.88	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 06/Apr/2012

Position as on 6.30 Hrs of 07/Apr/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Chandrapur Unit 1	210	11/03/2012	08.48		Continued.	Annual Overhaul	07/04/2012
Cent_Sect NTPC(V-2)	210	01/04/2012	00:01		Continued.	AOH.	30/04/2012
FORCED OUTAGE							
Tata Trombay 4	150	14/02/2012	00.08		Continued.	Withdrawn/Cold Standby	
Bhusawal Unit 5	500	30/03/2012	04.34		Continued.	Hand Tripped	
Dabhol 1A	230	30/03/2012	23.29		Continued.	Gas Shortage	
Dabhol 1X	290	31/03/2012	19:43		Continued.	Maintenance work.	
Dabhol 1B	230	31/03/2012	19:45		Continued.	Maintenance work.	
Parli Unit 5	210	04/04/2012	21.38		Continued.	Coal shortage.	
Khaparkheda Unit 5	500	05/04/2012	10.15	06/04/2012	15.42	Low furnace pressure.	
Bhusawal Unit 4	500	06/04/2012	00.03	06/04/2012	04.20	Generator problem.	
Uran Unit A0	120	06/04/2012	05.30	06/04/2012	12.33	Trip,due to jurk.	
Uran Unit B0	120	06/04/2012	05.30	06/04/2012	16.55	Trip,due to jurk.	
Uran Unit 5	108	06/04/2012	05.30	06/04/2012	07.56	Trip,due to jurk.	
Uran Unit 6	108	06/04/2012	05.30	06/04/2012	09.11	Trip,due to jurk.	
Uran Unit 8	108	06/04/2012	06.28	06/04/2012	15.40	Trip due to jerk.	
Koyna Unit 1	75	06/04/2012	14.15		Continued.	TGB cooler replacement work.	
Koyna Unit 12	80	06/04/2012	19.40	07/04/2012	04.15	Rotor earth fault.	
Bhusawal Unit 4	500	06/04/2012	20.02		Continued.	Class protection operated.	
Bhusawal Unit 3	210	06/04/2012	21.35		Continued.	Main steam line leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 06/Apr/2012

Position as on 6.30 Hrs of 07/Apr/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
New Koyna - Dabhol - II	06/04/2012	11.10		Continued.	Taken on TBC.Main bus overhauling work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	06/04/2012	16.20		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	06/04/2012	18.00		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - I	05/04/2012	13.15	06/04/2012	09.36	Distance protection.
Wardha - Seoni - I	05/04/2012	17.58		Continued.	Over Voltage.
Padgha -Tarapur - I	06/04/2012	04.37	06/04/2012	05.27	Distance protection.
Padgha -Tarapur - I	06/04/2012	05.48	06/04/2012	16.36	Distance protection.
Padgha-Bhoisor (PGCIL)	06/04/2012	06.37	06/04/2012	15.40	Distance protection.
Padgha-Tarapur - II	06/04/2012	07.30	06/04/2012	08.02	Distance protection.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE II - CHDPR	06/04/2012	08.27	06/04/2012	19.17	Stringing work of New 220KV Bapgaon line crossing near Padghe.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV,500MVA ICT-II at Deenagar.	10/01/2012	10.30		Continued.	Connection of L V Side Jumpers of ICT -I & II Span Stringing & Testing Work.
50 MVAR Line Reactor on 400 KV Parly Ckt.-III at Chandrapur	22/03/2012	11.00		Continued.	High tan delta value of bushing.
Kalwa - Padgha - I	28/03/2012	11.22		Continued.	Taken on TBC(up to 13.04.2012)
Kalwa-Padgha-II	06/04/2012	09.30	06/04/2012	18.11	Q.M.Work
400/220KV 500MVA ICT-III at Dhule	06/04/2012	10.35	06/04/2012	18.32	Taking Scada trials.
Auxillary Bus at Dhule	06/04/2012	11.15	06/04/2012	17.45	Jumping work.
400/220KV 315MVA ICT-II @ Aurangabad.	06/04/2012	11.30	06/04/2012	11.54	Considerable oil leakage from RPRR.
Koradi -Bhusawal	07/04/2012	00.33		Continued.	Taken on TBC.Hot glow on Y ph.conductor clamp.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 150 MVA ICT @ Bhandara	28/12/2011	13.57		Continued.	Replacement of ICT by 200MVA
Uran-Kharghar-II	15/02/2012	07.42		Continued.	Mumbai system strengthing work
Kharghar-Topworth	15/02/2012	07.47		Continued.	Mumbai system strengthing work
Kharghar-TSS	18/02/2012	08.52		Continued.	Temporary Reconfigured as Uran-TSS at 20.30Hrs Dt.18/2/12
Uran - Kharghar - I	19/02/2012	07.50		Continued.	Mumbai System Strengthening Work.
Kalwa - Borivali	11/03/2012	12.00		Continued.	Tower Erection and Stringing work
220KV Bus Section at Bhosari	05/04/2012	23.52	06/04/2012	02.50	Bus side isolator replacement work.
220/132 KV 200 MVA ICT - II @ Malegaon	06/04/2012	09.07	06/04/2012	17.19	LVCT replacement.
Borivali - Tata - V	06/04/2012	10.19	06/04/2012	13.38	Tighting of CT jumpers.
Mulund - Bhandup (GIS)	07/04/2012	00.02	07/04/2012	04.50	Railway crossing stringing work at Loc.No.16

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 06/Apr/2012

Position as on 6.30 Hrs of 07/Apr/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	16/02/2012	16.56		Continued.	Over Voltage.
Tie CB of A'Bad - II at Akola	02/04/2012	16.34		Continued.	Testing work due to imbalance currents in Bus Bar Relay
Bhusawal- Aurangabad	05/04/2012	16.07	06/04/2012	09.25	Over Voltage.
Karad - Kolhapur - II	05/04/2012	17.58	06/04/2012	08.51	Over Voltage.
Bhusawal- Aurangabad	06/04/2012	16.12		Continued.	Over Voltage.
400/220KV,500 MVA ICT-III At A'bad.	06/04/2012	18.02		Continued.	NDR protection operated H/T at both end.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha-Temghar I	04/04/2012	18.49	06/04/2012	06.00	To control ICT Overloading.
Padgha - Temghar - II	04/04/2012	18.49	06/04/2012	06.00	To control ICT Overloading.
Kalwa-Temghar	06/04/2012	06.02	06/04/2012	19.17	To control interconnector over loading.
220/100KV 200MVA ICT-IV at Kalwa	06/04/2012	08.02		Continued.	To control Bus section load.
Voltage Level : 220KV			Outage Type TRIPPED		
Uran - JNPT	06/04/2012	04.50	06/04/2012	08.10	Distance protection.
Uran-ONGC	06/04/2012	04.50	06/04/2012	11.40	Distance protection.
ONGC-JNPT	06/04/2012	04.50	06/04/2012	11.44	Distance protection.
Uran-Apta-II	06/04/2012	05.30	06/04/2012	13.23	Distance protection.
Apta-Uran-IV	06/04/2012	05.30	06/04/2012	08.50	Distance protection.
Uran-Kharghar-I	06/04/2012	05.30	06/04/2012	07.19	Distance protection.
Bus Coupler at Ambazari	06/04/2012	14.26	06/04/2012	17.41	On PDR
Voltage Level : 132KV			Outage Type TRIPPED		
Chalisgaon - Kannad	06/04/2012	10.48	06/04/2012	10.58	On FTR.
Kannad - Kagzipura	06/04/2012	10.50	06/04/2012	16.08	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 07/Apr/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	145
Unit 6	210	155
Unit 7	210	150
	620	450
Bhusawal		
Unit 2	210	181
Unit 3	210	0
Unit 4	500	
	920	181
Parli		
Unit 3	210	180
Unit 4	210	160
Unit 5	210	0
Unit 6	250	175
Unit 7	250	165
	1130	680
Chandrapur		
Unit 1	210	0
Unit 2	210	170
Unit 3	210	190
Unit 4	210	210
Unit 5	500	475
Unit 6	500	450
Unit 7	500	450
	2340	1945
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	210
Unit 2	210	170
Unit 3	210	210
Unit 4	210	210
Unit 5	500	
	1340	800
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	200
	630	620
Uran		
All Units	852	620
	852	620
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	320
	1920	1100
Hydro		
KDPH	40	0
VTRNA	60	60
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	22
BHANDARDRA	45	28
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	214
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	1100
WARDHA	405	436
Other CPPs	0	
	1005	1536
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	4786
	3455	4786