



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/May/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/May/2012 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.058	121.058	1) Gujrat	1.304	1.304
2) Hydro	4.530	4.530	2) Madhya Pradesh	18.337	18.337
3) Gas	11.108	11.108	3) Chattisgarh	10.710	10.710
Total MSGENCO	136.696	136.696	4) Maharashtra	56.559	56.559
B) OTHERS			5) Goa	-6.399	-6.399
1) JSW JAIGAD	26.564	26.564	6) TAPS 1&2 Injection	7.790	7.790
2) WPCL	8.167	8.167	7) RGPPL Injection	26.232	26.232
3) Other CPP / IPP	9.937	9.937	8) Pench (Excess)	-0.125	-0.125
4) Wind Generation	11.361	11.361	# Total Cent. Sector	114.408	114.408
5) PENCH (MS)	0.125	0.125	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-13.776	-13.776
1) TPCL Thermal	22.416	22.416	G) Bilateral Power *		
2) TPCL Hydro	1.084	1.084	1) MSEDCL Bilateral	41.932	41.932
TOTAL TPCL	23.500	23.500	Include PX	0.000	0.000
3) REL Thermal	12.529	12.529	2) MUMBAI Bilateral	11.290	11.290
D) STATE			Include PX	1.151	1.151
1) Thermal (A1+C1+C3)	156.003	156.003	3) MUMBAI Schedule	11.290	11.290
2) Hydro (A2+B5+C2)	5.739	5.739	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.108	11.108	1) MSEDCL	293.482	293.482
4) Wind (B4)	11.361	11.361	2) TPCL	32.664	32.664
5) CPP (B1+B2+B3)	44.668	44.668	3) REL	17.141	17.141
TOTAL STATE	228.879	228.879	TOTAL STATE	343.287	343.287

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 8 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5150	4772	5346
MSGENCO Hydro	160	275	94
MSGENCO Gas	480	458	458
MSGENCO Total Generation	5790	5505	5898
Central Sector Receipt	4868	4861	4940
WIND	412	474	582
CPP / IPP	1885	1856	1855
Exchange with Mumbai	-390	-876	-419
MSEDCL DEMAND MET	12565	11844	12856
Load Shedding	310	0	225
MSEDCL DEMAND	12875	11844	13081
TPCL GENERATION	841	909	841
R-INFRA GENERATION	523	523	523
TPCL+R-INFRA DEMAND	1754	2308	1783
STATE DEMAND MET	14319	14152	14639
STATE DEMAND	14629	14152	14864
Frequency (Hz)	50.09	49.78	49.93

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.51 Hz at 17.50 Hrs	49.25 Hz at 23.06 Hrs	49.9	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 01/May/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.48	3.48	159	123	135
Unit 6	0.94	0.94	155	0	140
Unit 7	4.05	4.05	190	145	120
Total	8.47	8.47			395
Bhusawal					
Unit 2	3.03	3.03	150	90	160
Unit 3	3.53	3.53	170	120	150
Unit 4	2.58	2.58	146	0	
Total	9.14	9.14			310
Parli					
Unit 3	4.64	4.64	215	166	175
Unit 4	3.45	3.45	158	115	155
Unit 5	4.16	4.16	186	140	190
Unit 6	1.19	1.19	175	0	175
Unit 7	0.00	0.00	0	0	0
Total	13.45	13.45			695
Chandrapur					
Unit 1	3.66	3.66	160	140	160
Unit 2	3.87	3.87	165	158	165
Unit 3	4.47	4.47	192	180	170
Unit 4	3.69	3.69	169	117	200
Unit 5	11.11	11.11	470	445	475
Unit 6	10.63	10.63	460	420	430
Unit 7	10.63	10.63	460	430	450
Total	48.07	48.07			2050
Paras					
Unit 3	4.08	4.08	258	0	250
Unit 4	0.59	0.59	199	0	0
Total	4.67	4.67			250
Khaparkheda					
Unit 1	4.32	4.32	190	170	190
Unit 2	4.24	4.24	185	160	190
Unit 3	4.38	4.38	195	171	190
Unit 4	4.38	4.38	192	172	190
Unit 5	6.33	6.33	283	248	
Total	23.66	23.66			760
Nasik					
Unit 3	4.74	4.74	210	190	190
Unit 4	4.50	4.50	195	179	190
Unit 5	4.38	4.38	194	162	190
Total	13.61	13.61			570
Uran					
All Units	11.11	11.11	481	452	450
Total	11.11	11.11			450
PENCH (MS)					
Pench (MS)	0.12	0.12	25	0	
Total	0.12	0.12			
Koyna					
Stage 1-2	1.50	1.50	360	35	530
Stage 4	0.00	0.00	0	0	250
Stage 3	0.12	0.12	118	0	320
Total	1.63	1.63			1100
Kovna 12&4 Total	1.50	1.50			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.43	0.43	19	18	18
VTRNA	0.85	0.85	61	0	61
TILLARI	0.06	0.06	54	0	60
BHTGR/VEER	0.26	0.26	11	11	13
BHIRA T.R.	0.11	0.11	81	0	80
RNGR+BHTSA	0.28	0.28	12	11	12
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.05	0.05	10	0	0
SMLHY PTN	0.40	0.40	24	14	10
GHATGHAR	0.45	0.45	125	0	
Total	2.90	2.90			254
Wind					
MalharPeth	0.74	0.74			
Vankuswadi	0.96	0.96			
ATIT	0.12	0.12			
Kale	0.35	0.35			
Satara	1.02	1.02			
Shirala	0.34	0.34			
K Mahankal	0.45	0.45			
Supa	0.18	0.18			
Vita	1.09	1.09			
Dondaicha	3.90	3.90			
Sakri	0.59	0.59			
Nandurbar	0.38	0.38			
Khandke	0.79	0.79			
Khaparale	0.46	0.46			
Total	11.36	11.36			
CPP					
JSW JAIGAD	26.56	26.56	1112	1104	1085
WARDHA	8.17	8.17	344	334	340
Other CPPs	9.94	9.94			
Total	44.67	44.67			1425
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	8.54	8.54	510	285	500
Trombay 6	3.76	3.76	157	155	500
Trombay 7A	2.90	2.90	126	106	120
Trombay 7B	1.62	1.62	69	63	60
Trombay 8	5.60	5.60	253	193	250
TATA Hydro	1.08	1.08	96	0	447
Total	23.50	23.50			1877
REL					
1&2	12.53	12.53	524	519	500
Total	12.53	12.53			500
Cent Sect					
Share					5431
Total					5431

MS PG CL	Thermal	121.06	121.06			5030
	Thml+Gas	132.17	132.17			5480
	Hydro	4.53	4.53			1354
	Total	136.70	136.70			6834
State Total		228.88	228.88			16067

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/May/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	5491	254	464	6209	560	1866	4969	5505	-615	-555	13585	139	13724	2186	15910	49.78
2	5469	169	459	6097	587	1870	4871	5051	-509	-447	13158	191	13349	2037	15386	49.85
3	5548	99	462	6109	602	1866	4787	4916	-428	-459	13034	203	13237	1921	15158	49.92
4	5322	94	460	5876	613	1866	4766	4985	-411	-444	12896	219	13115	1831	14946	49.89
5	5346	94	458	5898	582	1855	4766	4940	-411	-419	12856	225	13081	1783	14864	49.93
6	5360	94	461	5915	550	1858	4741	5159	-386	-399	13083	354	13437	1806	15243	49.87
7	5296	90	480	5866	490	1842	4720	4801	-391	-373	12626	624	13250	1763	15013	49.92
8	5150	160	480	5790	412	1885	4730	4868	-402	-390	12565	310	12875	1754	14629	50.09
9	5040	163	481	5684	433	1866	4735	4661	-402	-424	12220	0	12220	1824	14044	50.02
10	5036	225	478	5739	389	1864	4813	4762	-415	-456	12298	0	12298	1952	14250	50.10
11	5068	186	462	5716	253	1863	4805	4996	-442	-622	12218	0	12218	2112	14330	49.87
12	5092	495	463	6050	298	1866	4821	4747	-446	-632	12354	0	12354	2170	14524	49.84
13	5055	269	458	5782	316	1864	4845	4777	-467	-525	12239	0	12239	2191	14430	49.87
14	5029	100	452	5581	359	1863	4832	4692	-449	-465	12033	0	12033	2169	14202	50.01
15	4953	100	457	5510	352	1868	4822	4794	-442	-485	12039	0	12039	2188	14227	49.90
16	4825	135	461	5421	407	1868	4788	4908	-453	-502	12102	0	12102	2203	14305	49.96
17	4892	166	460	5518	520	1853	4783	4337	-454	-538	11690	0	11690	2193	13883	49.92
18	4655	156	460	5271	623	1862	4769	3762	-444	-720	10798	0	10798	2164	12962	50.07
19	4649	174	458	5281	731	1868	4781	3388	-442	-697	10571	0	10571	2112	12683	50.08
20	4706	181	458	5345	619	1860	4956	4770	-522	-834	11774	0	11774	2259	14033	49.83
21	4772	275	458	5505	474	1856	5081	4861	-545	-876	11844	0	11844	2308	14152	49.78
22	4791	171	460	5422	403	1848	5151	4724	-560	-816	11588	0	11588	2290	13878	49.80
23	4783	196	459	5438	411	1838	5058	4952	-608	-852	11787	0	11787	2295	14082	49.66
24	4730	484	459	5673	377	1853	4974	5052	-646	-846	12124	0	12124	2294	14418	49.64
MUs	121.06	4.53	11.11	136.70	11.36	44.67	116.36	114.41	-11.29	-13.78	293.48	2.26	295.75	49.80	345.55	49.90

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 01/May/2012

Position as on 6.30 Hrs of 02/May/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect NTPC(K-6)	500	09/04/2012	00.09		Continued.	Annual Overhaul	
Cent_Sect NTPC(V-4)	210	25/04/2012	00.07		Continued.	A/OH.	
Paras Unit 4	250	01/05/2012	03.25		Continued.	Annual Overhaul.	30/05/2012
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.	
Cent_Sect Gandhar U3	144	09/04/2012	21.03		Continued.	Less Schedule.	
Cent_Sect Kawas GT1A	106	26/04/2012	18:13		Continued.	Less requisition.	
Cent_Sect Kawas GT1B	106	26/04/2012	18:16		Continued.	Less requisition.	
CPP WPCL U-1	135	28/04/2012	17.44	02/05/2012	03.22	PA Fan Temp.High	
Uran Unit 5	108	29/04/2012	11.20		Continued.	Gas Shortage	
Cent_Sect NTPC(V-2)	210	30/04/2012	07.14	02/05/2012	05.55	Boiler Tube Leakage.	
Parli Unit 7	250	30/04/2012	07.49		Continued.	Coal Handling Problem.	
Koyna Unit 3	75	30/04/2012	11.20		Continued.	For Installation & Commissioning of Numerical Relay.	10/05/2012
Koradi Unit 6	210	01/05/2012	06.24		Continued.	Air Heater Problem.	
Parli Unit 6	250	01/05/2012	07.25		Continued.	CHP Conveyer Bell Broken.	
Bhusawal Unit 4	500	01/05/2012	14.56	01/05/2012	18.42	High Drum Level.	
Paras Unit 3	250	01/05/2012	17.03		Continued.	Boiler Tube Leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/May/2012

Position as on 6.30 Hrs of 02/May/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Nasik-Navsari-I	01/05/2012	07.55	01/05/2012	18.05	Maintenance Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - II	25/04/2012	18.11		Continued.	Over Voltage.
Kolhapur - Mapusa - I	01/05/2012	16.13		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Bhadravati - III	29/04/2012	18.04		Continued.	Over Voltage
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
Chandrapur-Padaghe Pole - II	01/05/2012	08.30	01/05/2012	22.17	Attending Oil Leakage in R & B Ph. Convartor X'mer.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Line Reactor on 400 KV Parly Ckt.-III at Chandrapur	22/03/2012	11.00		Continued.	High tan delta value of bushing.
50MVAR Reactor C'Pur - Parli -I at Parli end	16/04/2012	16.50		Continued.	Filtration work
New Koyna - Jaigad - II	01/05/2012	09.48	01/05/2012	16.16	Cold Line Insulator Washing.
400/220 KV 315 MVA ICT-I @ Nagothane	01/05/2012	09.56	01/05/2012	19.55	Replacement of Old WTI & OTI Meter.
400/220 KV 315MVA ICT-II @ Karad	01/05/2012	11.06	01/05/2012	19.22	Installation Commissioning of ER Make Relay.
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
Khargar-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.
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
Miraj - Mhaisal	01/05/2012	08.40	01/05/2012	19.20	Stringing of 400KV Solapur-Kolhapur Crossing Line.
Vita-Mhaisal	01/05/2012	08.51	01/05/2012	19.15	Stringing of 400KV Solapur-Kolhapur Crossing Line.
Kalwa - Salshet - III	01/05/2012	09.01	01/05/2012	18.16	C T Replacement Work.
Dahanu-Versova	01/05/2012	16.36		Continued.	Replacement of String Insulator.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Deepnagar-Aurangabad-I	11/04/2012	16.03		Continued.	Over Voltage.
Bhusawal- Aurangabad	30/04/2012	18.13	01/05/2012	10.19	Over Voltage.
Bhusawal- Aurangabad	01/05/2012	13.04		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha - Temghar - II	24/04/2012	17.56		Continued.	To Control Padgha ICT.
Chandrapur-Warora	01/05/2012	04.03	01/05/2012	12.26	To Control Line Loading.
Voltage Level : 400KV			Outage Type TRIPPED		
Nagothane-Dabhol-I	01/05/2012	04.11		Continued.	Distance Protection,Declared Faulty.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 02/May/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	0
Unit 7	210	150
	620	290
Bhusawal		
Unit 2	210	115
Unit 3	210	150
Unit 4	500	
	920	265
Parli		
Unit 3	210	210
Unit 4	210	150
Unit 5	210	170
Unit 6	250	0
Unit 7	250	0
	1130	530
Chandrapur		
Unit 1	210	160
Unit 2	210	165
Unit 3	210	190
Unit 4	210	160
Unit 5	500	475
Unit 6	500	450
Unit 7	500	450
	2340	2050
Paras		
Unit 3	250	0
Unit 4	250	0
	500	0
Khaparkheda		
Unit 1	210	190
Unit 2	210	190
Unit 3	210	190
Unit 4	210	190
Unit 5	500	250
	1340	1010
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	200
	630	620
Uran		
All Units	852	450
	852	450
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	18
VTRNA	60	60
TILLARI	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	15
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	12
GHATGHAR	250	0
	611	160
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	1085
WARDHA	405	370
Other CPPs	0	
	1005	1455
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	5134
	3455	5134

	17900	15441
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