



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/May/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/May/2012 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	124.132	488.903	1) Gujrat	1.973	4.837
2) Hydro	6.948	38.591	2) Madhya Pradesh	16.591	68.390
3) Gas	11.085	44.730	3) Chattisgarh	10.680	41.930
Total MSGENCO	142.165	572.224	4) Maharashtra	63.135	239.311
B) OTHERS			5) Goa	-6.350	-25.610
1) JSW JAIGAD	27.860	110.171	6) TAPS 1&2 Injection	7.718	30.991
2) WPCL	9.583	34.512	7) RGPPL Injection	20.738	94.659
3) Other CPP / IPP	8.830	38.260	8) Pench (Excess)	-0.124	-0.561
4) Wind Generation	20.095	58.505	# Total Cent. Sector	114.361	453.947
5) PENCH (MS)	0.124	0.561	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-14.441	-54.381
1) TPCL Thermal	27.607	106.585	G) Bilateral Power *		
2) TPCL Hydro	4.319	15.221	1) MSEDCL Bilateral	40.944	168.831
TOTAL TPCL	31.926	121.806	Include PX	0.000	0.000
3) REL Thermal	12.574	50.186	2) MUMBAI Bilateral	15.563	55.200
D) STATE			Include PX	3.401	11.050
1) Thermal (A1+C1+C3)	164.313	645.674	3) MUMBAI Schedule	15.563	55.200
2) Hydro (A2+B5+C2)	11.391	54.373	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.085	44.730	1) MSEDCL	308.577	1213.799
4) Wind (B4)	20.095	58.505	2) TPCL	39.405	150.226
5) CPP (B1+B2+B3)	46.273	182.943	3) REL	19.532	76.140
TOTAL STATE	253.157	986.225	TOTAL STATE	367.514	1440.165

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	5300	5307	5145
MSGENCO Hydro	617	228	133
MSGENCO Gas	453	452	473
MSGENCO Total Generation	6370	5987	5751
Central Sector Receipt	5210	4883	4563
WIND	697	1067	853
CPP / IPP	1985	1973	1825
Exchange with Mumbai	-938	-818	-206
MSEDCL DEMAND MET	13324	13092	12786
Load Shedding	880	415	276
MSEDCL DEMAND	14204	13507	13062
TPCL GENERATION	1488	1588	1071
R-INFRA GENERATION	526	524	524
TPCL+R-INFRA DEMAND	2952	2930	1801
STATE DEMAND MET	16276	16022	14587
STATE DEMAND	17156	16437	14863
Frequency (Hz)	49.86	50.00	49.89

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.45 Hz at 18.04 Hrs	49.36 Hz at 22.07 Hrs	49.87	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 04/May/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.52	13.85	161	132	155
Unit 6	3.92	10.39	185	135	160
Unit 7	4.12	15.98	185	140	165
Total	11.57	40.22			480
Bhusawal					
Unit 2	3.80	14.06	180	140	180
Unit 3	4.04	15.28	180	150	180
Unit 4	2.97	12.93	137	113	0
Total	10.81	42.28			360
Parli					
Unit 3	4.19	18.06	209	143	200
Unit 4	3.92	14.30	178	126	155
Unit 5	4.18	16.70	183	143	180
Unit 6	4.04	10.65	185	150	180
Unit 7	3.79	7.21	192	86	170
Total	20.12	66.93			885
Chandrapur					
Unit 1	2.93	14.14	154	62	140
Unit 2	2.72	14.04	144	84	125
Unit 3	4.26	17.74	189	134	190
Unit 4	4.44	15.83	196	144	190
Unit 5	10.98	43.50	470	430	475
Unit 6	10.34	41.78	450	345	440
Unit 7	10.01	40.03	444	367	440
Total	45.69	187.07			2000
Paras					
Unit 3	5.08	11.81	255	154	0
Unit 4	0.00	0.59	0	0	250
Total	5.08	12.40			250
Khaparkheda					
Unit 1	4.28	17.12	190	165	180
Unit 2	4.32	17.13	190	170	180
Unit 3	4.36	17.49	190	173	180
Unit 4	4.35	17.36	186	173	180
Unit 5	5.04	22.75	361	0	180
Total	22.36	91.86			900
Nasik					
Unit 3	0.49	13.75	155	0	0
Unit 4	4.13	17.78	197	143	150
Unit 5	3.89	16.63	187	133	140
Total	8.51	48.15			290
Uran					
All Units	11.08	44.73	475	449	460
Total	11.08	44.73			460
PENCH (MS)					
Pench (MS)	0.12	0.56	24	0	0
Total	0.12	0.56			0
Koyna					
Stage 1-2	1.96	11.09	360	40	455
Stage 4	0.62	8.62	202	0	250
Stage 3	0.10	3.80	80	0	320
Total	2.68	23.50			1025
Kovna 12&4 Total	2.58	19.71			705

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.67	1.96	36	18	18
VTRNA	0.80	3.30	61	0	60
TILLARI	0.06	0.24	60	0	60
BHTGR/VEER	0.26	1.02	11	11	10
BHIRA T.R.	0.22	0.69	41	0	80
RNGR+BHTSA	0.29	1.13	12	12	12
BHANDARDRA	0.44	1.05	19	18	0
ELDARY	0.21	0.67	9	8	0
SMLHY PTN	0.53	1.75	29	20	30
GHATGHAR	0.77	3.28	125	0	0
Total	4.26	15.09			270
Wind					
MalharPeth	0.66	2.32			
Vankuswadi	1.14	3.80			
ATIT	0.18	0.49			
Kale	0.43	1.32			
Satara	2.20	3.75			
Shirala	0.37	1.14			
K Mahankal	0.08	2.91			
Supa	0.19	0.67			
Vita	1.70	5.07			
Dondaicha	9.35	26.10			
Sakri	1.21	3.40			
Nandurbar	0.91	2.53			
Khandke	0.68	2.46			
Khaparale	0.98	2.53			
Total	20.10	58.50			
CPP					
JSW JAIGAD	27.86	110.17	1204	1096	1085
WARDHA	9.58	34.51	427	353	422
Other CPPs	8.83	38.26			
Total	46.27	182.94			1507
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.86	43.01	504	424	500
Trombay 6	5.65	23.31	429	158	500
Trombay 7A	2.61	10.64	125	84	120
Trombay 7B	1.52	6.18	69	56	60
Trombay 8	5.96	23.45	250	247	250
TATA Hydro	4.32	15.22	375	0	447
Total	31.93	121.81			1877
REL					
1&2	12.57	50.19	526	521	500
Total	12.57	50.19			500
Cent Sect					
Share					5025
Total					5025

MS PG CL	Thermal	124.13	488.90			5165
	Thml+Gas	135.22	533.63			5625
	Hydro	6.95	38.59			1295
	Total	142.16	572.22			6920
State Total		253.16	986.22			15829

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/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	5143	183	471	5797	862	1923	4832	5157	-654	-539	13200	118	13318	2236	15554	49.74
2	5089	163	471	5723	809	1922	4706	5066	-519	-415	13105	249	13354	2027	15381	49.78
3	5110	128	473	5711	806	1841	4652	4671	-447	-258	12771	267	13038	1881	14919	49.77
4	5145	133	473	5751	853	1825	4679	4563	-447	-206	12786	276	13062	1801	14863	49.89
5	5131	128	473	5732	957	1822	4699	4604	-447	-226	12889	290	13179	1771	14950	49.78
6	5048	333	474	5855	802	1838	4663	4935	-443	-215	13215	443	13658	1799	15457	49.73
7	5225	152	474	5851	684	1851	4697	4479	-418	-276	12589	959	13548	1884	15432	50.06
8	5233	192	475	5900	1124	1930	4726	4608	-432	-344	13218	1011	14229	2001	16230	50.02
9	5290	194	474	5958	643	1936	4667	4630	-410	-448	12719	1112	13831	2249	16080	49.92
10	5259	387	474	6120	425	1875	4803	5101	-556	-705	12816	784	13600	2632	16232	49.90
11	5305	673	454	6432	437	1987	4912	5286	-726	-943	13199	774	13973	2905	16878	49.93
12	5300	617	453	6370	697	1985	5007	5210	-937	-938	13324	880	14204	2952	17156	49.86
13	5267	484	453	6204	687	1998	5000	4879	-954	-831	12937	929	13866	2951	16817	49.74
14	5187	276	449	5912	829	1991	4917	4922	-851	-756	12898	795	13693	2887	16580	49.87
15	5290	335	454	6079	726	1982	4972	5016	-883	-797	13006	635	13641	2932	16573	49.84
16	5152	596	452	6200	874	2010	5006	4855	-915	-737	13202	609	13811	2946	16757	49.90
17	5307	228	452	5987	1067	1973	4977	4883	-882	-818	13092	415	13507	2930	16437	50.00
18	5267	208	460	5935	1153	1986	4838	3783	-730	-725	12132	91	12223	2867	15090	50.03
19	4980	216	460	5656	1237	2011	4779	3758	-589	-702	11968	0	11968	2719	14687	50.12
20	4810	265	461	5536	1082	1983	5000	4875	-642	-745	12754	54	12808	2721	15529	49.92
21	4950	337	455	5742	964	1896	4994	4684	-616	-718	12592	198	12790	2595	15385	49.94
22	5159	244	450	5853	848	1904	5020	4309	-638	-682	12255	196	12451	2472	14923	49.82
23	5226	213	450	5889	775	1904	4947	4870	-695	-694	12767	42	12809	2401	15210	49.66
24	5259	263	450	5972	754	1900	4905	5217	-731	-723	13143	19	13162	2382	15544	49.74
MUs	124.13	6.95	11.08	142.16	20.10	46.27	116.40	114.36	-15.56	-14.44	308.58	11.15	319.72	58.94	378.66	49.87

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 04/May/2012

Position as on 6.30 Hrs of 05/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(V-4)	210	25/04/2012	00.07		Continued.	Annual Overhaul.	
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 Kawas GT1A	106	26/04/2012	18:13		Continued.	Less requisition.	
Cent_Sect Kawas GT1B	106	26/04/2012	18:16		Continued.	Less requisition.	
Uran Unit 5	108	29/04/2012	11.20		Continued.	Gas Shortage	
Koyna Unit 3	75	30/04/2012	11.20		Continued.	For Installation & Commissioning of Numerical Relay.	10/05/2012
Cent_Sect NTPC(V-6)	210	03/05/2012	01.58	04/05/2012	01.55	Boiler Tube Leakage.	
Nasik Unit 3	210	03/05/2012	16.05	04/05/2012	19:15	Due to fire incidence at Station Transformer.	
Khaparkheda Unit 5	500	04/05/2012	18:36	04/05/2012	21:10	Flame Failure.	
Cent_Sect Gandhar U3	144	05/05/2012	03:10		Continued.	220 KV Bus - 2 fault.	
Cent_Sect Gandhar U4	224	05/05/2012	03:10		Continued.	220 KV Bus - 2 fault.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/May/2012

Position as on 6.30 Hrs of 05/May/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Akola - Aurangabad- II	04/05/2012	10.34	04/05/2012	23.04	To sort out problem of umbalance in bus bar relay.(Ready for charging at 18:44 hrs.on Dt:04/05/2012).
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
NASIK-NAVSARI-II	04/05/2012	08.43	04/05/2012	18.05	Water washing of insulator replacement.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - II	25/04/2012	18.11		Continued.	Over Voltage.
Kolhapur-Mapusa-II	03/05/2012	20.48	04/05/2012	09:06	Over Voltage.
Kolhapur - Mapusa - I	04/05/2012	17.08		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Bhadravati - III	29/04/2012	18.04		Continued.	Over Voltage
IntraState					
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
Aus.Bus at Koradi	04/05/2012	10:01	04/05/2012	16:10	For errection of IPS tube for new 400 kv K'Kheda bay.
Main Bus- I @ Nagothane	04/05/2012	12.53	04/05/2012	21.00	R.M.Work
Chandrapur - Parli - I	04/05/2012	16.37	05/05/2012	06:46	Distance protection.
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.
Babaleshwar - Ranjangaon	03/05/2012	07.30	04/05/2012	00.32	Replacement of R and Y ph.CT.
Lonand - Baramati	03/05/2012	08.28	04/05/2012	19:58	Breaker replacement work.
Inter Connector @ Kalwa	04/05/2012	08.50	04/05/2012	17.51	Replacement of 3 Nos.of C.T.
New Paras TPS-Alola-II	04/05/2012	08:24	04/05/2012	12:28	Quarterly Maintainance work.
Chalisgaon - Malegaon	04/05/2012	08:40	04/05/2012	11:14	To attend red hot on Y ph line isolator.
Padgha-Jambhul-I	04/05/2012	09:21	04/05/2012	17:19	R. M. Work.
Uran - Nerul	04/05/2012	09:37	04/05/2012	18:31	For taking 2nd trip coil in service and bay main. work.
Wathar - Mudshingi	04/05/2012	10.00	04/05/2012	18.11	Q.M.Work
220/132 KV 200 MVA ICT-II @ Boiser	04/05/2012	10.42	04/05/2012	17.34	To attend red hot spot and tan delta testing work of CT.
Uran - JNPT	04/05/2012	11.58	04/05/2012	18.02	R.M.Work
Dhule - Malegaon	04/05/2012	11:28	04/05/2012	17:57	Connecting interconnector from old

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/May/2012

Position as on 6.30 Hrs of 05/May/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					220 kv switchyard to new 220 kv switchyard bay 208.
Voltage Level : 132KV					Outage Type PLANNED OUTAGE
Malkapur-Motala	03/05/2012	11:20		Continued.	Repl. of bus side isolator.
Voltage Level : 100KV					Outage Type PLANNED OUTAGE
Creek side Bus at Kalwa	04/05/2012	05:55	04/05/2012	17:42	Convorsion of old bus conductor with twin bus conductor.
Voltage Level : 400KV					Outage Type HAND TRIPPED
Deepnagar-Aurangabad-I	11/04/2012	16.03	04/05/2012	15:54	Over Voltage.
Bhusawal- Aurangabad	03/05/2012	17.08	04/05/2012	08:10	Over Voltage.
Aurangabad-Deepnagar-II	04/05/2012	20.39		Continued.	Over Voltage.
Bhusawal- Aurangabad	05/05/2012	03:56		Continued.	Over Voltage.
Voltage Level : 220KV					Outage Type HAND TRIPPED
Padgha - Temghar - II	24/04/2012	17.56		Continued.	To Control Padgha ICT.
Padgha-Temghar I	02/05/2012	20.34		Continued.	To Control Load on ICT @ Padgha.
Lonikand-Ranjangaon	04/05/2012	22:54	05/05/2012	06:51	To control 400 KV Parly - Lonikand line loading.
Voltage Level : 400KV					Outage Type TRIPPED
Bablswr-Padgha Ckt I	04/05/2012	03.16	04/05/2012	03.35	Distance protection operated at BBLSR end.
Chandrapur - Parli - I	04/05/2012	14.32	04/05/2012	15.23	Distance protection.
400/220KV 500MVA ICT- I at Khaperkheda	04/05/2012	22:37	05/05/2012	03:21	Inverse over current earth fault.
400/220 KV 500 MVA ICT - II at Khaparkheda	04/05/2012	22:38	05/05/2012	02:35	Inverse over current earth fault.
Voltage Level : 220KV					Outage Type TRIPPED
Khaparkheda - Kanhan - I	04/05/2012	11:59	04/05/2012	19:02	Distance Protection Operated Zone 1 R & Y ph.
Kalmeshwar-Kaparkheda	04/05/2012	22:04	04/05/2012	23:05	Distance Protection Operated Zone 1 B ph.
Voltage Level : 132KV					Outage Type TRIPPED
Hingna I - Mankapur CKT.	04/05/2012	22:36	04/05/2012	23:14	Distance Protection operated Zone 1 R ph.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/May/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	150
Unit 6	210	120
Unit 7	210	170
	620	440
Bhusawal		
Unit 2	210	170
Unit 3	210	150
Unit 4	500	
	920	320
Parli		
Unit 3	210	170
Unit 4	210	150
Unit 5	210	180
Unit 6	250	160
Unit 7	250	160
	1130	820
Chandrapur		
Unit 1	210	165
Unit 2	210	135
Unit 3	210	175
Unit 4	210	190
Unit 5	500	420
Unit 6	500	435
Unit 7	500	425
	2340	1945
Paras		
Unit 3	250	250
Unit 4	250	0
	500	250
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	180
Unit 4	210	180
Unit 5	500	250
	1340	970
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	180
	630	600
Uran		
All Units	852	460
	852	460
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	455
Stage 4	1000	250
Stage 3	320	320
	1920	1025
Hydro		
KDPH	40	36
VTRNA	60	60
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	10
BHIRA T.R.	80	40
RNGR+BHTSA	20	11
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	30
GHATGHAR	250	0
	611	247
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	1000
WARDHA	405	415
Other CPPs	0	
	1005	1415
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	5004
	3455	5004

	17900	7 of 7 15873
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