



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

State Load Dispatch Center, Airoli

Daily system Report

for

05/May/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 05/May/2012 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	126.540	615.443	1) Gujrat	-0.571	4.266
2) Hydro	11.484	50.075	2) Madhya Pradesh	16.697	85.087
3) Gas	10.949	55.679	3) Chattisgarh	11.460	53.390
Total MSGENCO	148.973	721.197	4) Maharashtra	62.533	301.844
B) OTHERS			5) Goa	-7.106	-32.716
1) JSW JAIGAD	26.473	136.644	6) TAPS 1&2 Injection	7.784	38.775
2) WPCL	9.460	43.972	7) RGPPL Injection	19.557	114.216
3) Other CPP / IPP	9.773	48.033	8) Pench (Excess)	-0.048	-0.609
4) Wind Generation	19.106	77.611	# Total Cent. Sector	110.306	564.253
5) PENCH (MS)	0.048	0.609	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-12.195	-66.576
1) TPCL Thermal	26.674	133.259	G) Bilateral Power *		
2) TPCL Hydro	4.710	19.931	1) MSEDCL Bilateral	32.388	201.219
TOTAL TPCL	31.384	153.190	Include PX	0.000	0.000
3) REL Thermal	12.593	62.779	2) MUMBAI Bilateral	12.235	67.435
D) STATE			Include PX	1.155	12.206
1) Thermal (A1+C1+C3)	165.807	811.481	3) MUMBAI Schedule	12.235	67.435
2) Hydro (A2+B5+C2)	16.242	70.615	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.949	55.679	1) MSEDCL	311.944	1525.743
4) Wind (B4)	19.106	77.611	2) TPCL	37.299	187.525
5) CPP (B1+B2+B3)	45.706	228.649	3) REL	18.873	95.013
TOTAL STATE	257.810	1244.035	TOTAL STATE	368.116	1808.281

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5113	5374	5367
MSGENCO Hydro	1221	360	156
MSGENCO Gas	445	448	459
MSGENCO Total Generation	6779	6182	5982
Central Sector Receipt	4907	4654	4121
WIND	477	1151	923
CPP / IPP	1928	1926	1878
Exchange with Mumbai	-502	-576	-379
MSEDCL DEMAND MET	13589	13337	12525
Load Shedding	793	588	273
MSEDCL DEMAND	14382	13925	12798
TPCL GENERATION	1721	1557	905
R-INFRA GENERATION	526	524	525
TPCL+R-INFRA DEMAND	2749	2657	1809
STATE DEMAND MET	16338	15994	14334
STATE DEMAND	17131	16582	14607
Frequency (Hz)	49.85	49.90	49.88

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.35 Hz at 18:46 Hrs	49.24 Hz at 22:29 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 05/May/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.24	16.09	152	0	150
Unit 6	2.55	12.94	160	0	120
Unit 7	1.38	17.36	170	0	170
Total	6.17	46.39			440
Bhusawal					
Unit 2	3.81	17.87	175	150	170
Unit 3	3.97	19.26	175	160	150
Unit 4	3.14	16.08	165	108	0
Unit 5	0.00	0.00	0	0	0
Total	10.92	53.20			320
Parli					
Unit 3	4.56	22.62	206	160	170
Unit 4	3.50	17.80	172	120	150
Unit 5	4.10	20.81	186	129	180
Unit 6	4.10	14.75	200	150	160
Unit 7	4.04	11.25	191	128	160
Total	20.30	87.23			820
Chandrapur					
Unit 1	3.53	17.67	158	127	165
Unit 2	3.30	17.34	155	113	135
Unit 3	4.25	21.99	189	154	175
Unit 4	4.37	20.21	194	168	190
Unit 5	10.43	53.94	470	395	420
Unit 6	10.22	52.00	455	355	435
Unit 7	10.13	50.16	455	354	425
Total	46.24	233.31			1945
Paras					
Unit 3	5.24	17.05	260	184	250
Unit 4	0.00	0.59	0	0	0
Total	5.24	17.64			250
Khaparkheda					
Unit 1	4.18	21.31	185	145	180
Unit 2	4.22	21.34	180	168	180
Unit 3	4.43	21.92	188	173	180
Unit 4	4.38	21.74	185	173	180
Unit 5	6.53	29.28	345	244	250
Total	23.74	115.60			970
Nasik					
Unit 3	5.05	18.80	215	195	210
Unit 4	4.65	22.43	210	176	210
Unit 5	4.21	20.84	192	161	180
Total	13.92	62.07			600
Uran					
All Units	10.95	55.68	467	442	460
Total	10.95	55.68			460
PENCH (MS)					
Pench (MS)	0.05	0.61	24	0	0
Total	0.05	0.61			0
Koyna					
Stage 1-2	2.96	14.04	373	35	455
Stage 4	1.28	9.90	278	0	250
Stage 3	1.95	5.75	240	0	320
Kovna 12&4 Total	4.24	23.95			705

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	6.19	29.69			1025
Hydro					
KDPH	0.86	2.82	36	35	36
VTRNA	0.30	3.60	61	0	60
TILLARI	0.06	0.30	58	0	60
BHTGR/VEER	0.26	1.28	12	11	10
BHIRA T.R.	0.21	0.90	47	0	40
RNGR+BHTSA	0.28	1.41	12	11	11
BHANDARDRA	0.49	1.54	21	20	0
ELDARY	0.20	0.87	9	7	0
SMLHY PTN	0.66	2.41	34	24	30
GHATGHAR	1.96	5.24	250	0	0
Total	5.30	20.38			247
Wind					
MalharPeth	0.73	3.06			
Vankuswadi	1.37	5.17			
ATIT	0.19	0.68			
Kale	0.56	1.88			
Satara	2.52	6.27			
Shirala	0.42	1.56			
K Mahankal	0.07	2.98			
Supa	0.26	0.92			
Vita	1.97	7.04			
Dondaicha	8.17	34.27			
Sakri	0.63	4.03			
Nandurbar	0.87	3.40			
Khandke	0.59	3.05			
Khaparale	0.76	3.29			
Total	19.11	77.61			
CPP					
JSW JAIGAD	26.47	136.64	1113	1063	1000
WARDHA	9.46	43.97	418	352	415
Other CPPs	9.77	48.03			
Total	45.71	228.65			1415
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.02	54.03	506	305	500
Trombay 6	5.08	28.39	401	158	500
Trombay 7A	2.96	13.59	125	120	120
Trombay 7B	1.64	7.82	69	68	60
Trombay 8	5.98	29.43	251	247	250
TATA Hydro	4.71	19.93	446	0	447
Total	31.38	153.19			1877
REL					
1&2	12.59	62.78	526	523	500
Total	12.59	62.78			500
Cent Sect					
Share					5004
Total					5004

MS PG CL	Thermal	126.54	615.44			5345
	Thml+Gas	137.49	671.12			5805
	Hydro	11.48	50.08			1272
	Total	148.97	721.20			7077
State Total		257.81	1244.04			15873

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/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	5298	193	464	5955	865	1858	4902	4940	-276	-615	13007	132	13139	2241	15380	49.82
2	5351	153	465	5969	920	1860	4809	4495	-270	-446	12798	254	13052	2056	15108	49.83
3	5319	157	466	5942	935	1862	4727	4328	-270	-382	12685	272	12957	1942	14899	49.85
4	5352	153	459	5964	928	1868	4714	4169	-270	-384	12545	278	12823	1849	14672	49.84
5	5367	156	459	5982	923	1878	4592	4121	-270	-379	12525	273	12798	1809	14607	49.88
6	5412	157	459	6028	935	1902	4565	4319	-270	-372	12812	359	13171	1836	15007	49.82
7	5426	153	457	6036	851	1899	4547	4033	-461	-363	12456	621	13077	1841	14918	50.04
8	5197	213	458	5868	469	1885	4596	4809	-373	-365	12666	622	13288	1902	15190	50.03
9	5094	304	454	5852	362	1882	4684	5181	-458	-394	12883	657	13540	2111	15651	50.02
10	5069	919	448	6436	303	1876	4786	5383	-561	-463	13535	490	14025	2429	16454	50.02
11	5053	1108	446	6607	353	1932	4783	5128	-614	-516	13504	654	14158	2695	16853	49.96
12	5113	1221	445	6779	477	1928	4822	4907	-660	-502	13589	793	14382	2749	17131	49.85
13	5056	1174	442	6672	485	1929	4832	4598	-674	-458	13226	895	14121	2751	16872	49.72
14	5148	1241	442	6831	480	1937	4801	4538	-647	-518	13268	746	14014	2707	16721	49.68
15	5200	1244	445	6889	768	1933	4786	4663	-633	-541	13712	599	14311	2725	17036	49.75
16	5237	896	449	6582	641	1931	4787	4946	-639	-530	13570	561	14131	2717	16848	49.85
17	5374	360	448	6182	1151	1926	4773	4654	-622	-576	13337	588	13925	2657	16582	49.90
18	5357	163	457	5977	1044	1926	4452	3895	-585	-598	12244	219	12463	2570	15033	50.03
19	5465	160	462	6087	1364	1887	4538	3753	-554	-641	12450	0	12450	2474	14924	50.03
20	5443	223	466	6132	953	1882	5002	4783	-613	-683	13084	0	13084	2566	15650	49.90
21	5428	228	464	6120	1130	1926	4945	4714	-585	-644	13270	0	13270	2520	15790	49.88
22	5282	158	464	5904	1098	1938	4944	4611	-601	-648	12906	0	12906	2436	15342	49.83
23	5238	154	463	5855	883	1924	4841	4631	-640	-615	12678	0	12678	2342	15020	49.61
24	5261	596	467	6324	788	1937	4807	4707	-688	-562	13194	0	13194	2247	15441	49.66
MUs	126.54	11.48	10.95	148.97	19.11	45.71	114.04	110.31	-12.24	-12.20	311.94	9.01	320.96	56.17	377.13	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 05/May/2012

Position as on 6.30 Hrs of 06/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.	
Uran Unit 5	108	29/04/2012	11.20		Continued.	Gas Shortage	
Dabhol 3B	230	04/05/2012	11.18		Continued.	Gas shortage.	
Cent_Sect Gandhar U3	144	05/05/2012	03:10	05/05/2012	07.39	220 KV Bus - 2 fault.	
Cent_Sect Gandhar U4	224	05/05/2012	03:10	05/05/2012	07.21	220 KV Bus - 2 fault.	
Koradi Unit 6	210	05/05/2012	07.14	05/05/2012	13.05	Low vacuum	
Koradi Unit 7	210	05/05/2012	07.21	05/05/2012	22.35	Low vacuum	
Koradi Unit 5	200	05/05/2012	07.56	05/05/2012	15.38	Cooling water pump problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/May/2012

Position as on 6.30 Hrs of 06/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 -II	06/05/2012	07.31	06/05/2012	14.34	Maint.work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - II	25/04/2012	18.11	05/05/2012	09.39	Over Voltage.
Kolhapur - Mapusa - I	04/05/2012	17.08	05/05/2012	09.13	Over Voltage.
Kolhapur - Mapusa - I	05/05/2012	21.53	06/05/2012	10.31	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Bhadravati - III	29/04/2012	18.04	05/05/2012	13.07	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
Chandrapur - Parli - I	04/05/2012	16.37	05/05/2012	06:46	Distance protection.
Dhule - Babaleshwar - II	05/05/2012	08.25	05/05/2012	17.12	Replacement of Y ph.CVT.
400/220KV, 315MVA ICT-I @ New Koyna.	05/05/2012	09.16	05/05/2012	12.33	Hot spot.
Chandrapur - Parli - I	05/05/2012	11.08	05/05/2012	13.10	Tree cutting work.
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.
220/100KV 200MVA ICT-I at Kalwa	27/04/2012	06.10	05/05/2012	16.20	Replacement of single conductor to twin conductor to 100 KV Bus
220/132KV 200MVA ICT-II at BBLSR	05/05/2012	08.00	05/05/2012	16.20	Q.M.Work
220/132KV 100 MVA ICT-III @ Nasik OCR	05/05/2012	08.19	05/05/2012	16.37	Transormer bushing maintenance.
220/132 KV,200 MVA ICT-I at Eklahare	05/05/2012	08.28	05/05/2012	14.15	Tan delta measurement of C.T.
Lonikand-Kathapur	05/05/2012	09.10	05/05/2012	19.31	Replacement of vibration damper.
Trombay Sonkhar	05/05/2012	10.03	05/05/2012	14.34	Bolt tightening.
220/66 KV 150 MVA ICT- I @ Gadchandur	05/05/2012	10.26	05/05/2012	19.12	CTR fire protection system work.
Malegaon - Satana - I	05/05/2012	10.30	05/05/2012	13.29	Insulator replacement.
220/100KV,200 MVA ICT-II at Trombay.	06/05/2012	08.41	06/05/2012	15.22	Attending Hot Spot of Main Bus,T Clamp of Tifil feeder
Bus-Section - II @ Trombay	06/05/2012	08.46	06/05/2012	18.22	Hot Spot
Chakan-Volkaswagon	06/05/2012	09.01	06/05/2012	14.31	Replacement of CT
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/May/2012

Position as on 6.30 Hrs of 06/May/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Malkapur-Motala	03/05/2012	11:20	05/05/2012	15.02	Repl. of bus side isolator.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	04/05/2012	20.39		Continued.	Over Voltage.
Bhusawal- Aurangabad	05/05/2012	03:56	05/05/2012	08.00	Over Voltage.
Bhusawal- Aurangabad	05/05/2012	21.48	06/05/2012	06.20	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha - Temghar - II	24/04/2012	17.56		Continued.	To Control Padgha ICT.
Lonikand-Ranjangaon	04/05/2012	22:54	05/05/2012	06:51	To control 400 KV Parly - Lonikand line loading.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Kanhan-Uppalwadi	05/05/2012	19.54	06/05/2012	14.27	Attending sparking on 132 KV Ambazari-Mankapur-II line isolator.
Voltage Level : 400KV			Outage Type TRIPPED		
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.
Koradi - Bhusawal	06/05/2012	13.08	06/05/2012	13.22	Distance Protection
Voltage Level : 220KV			Outage Type TRIPPED		
Padghe - Nashik - II	06/05/2012	18.30	06/05/2012	19.02	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Parbhani-Jintur	06/05/2012	14.05	06/05/2012	14.17	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 06/May/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	155
Unit 7	210	170
	620	465
Bhusawal		
Unit 2	210	160
Unit 3	210	170
Unit 4	500	0
Unit 5	500	0
	1420	330
Parli		
Unit 3	210	190
Unit 4	210	175
Unit 5	210	180
Unit 6	250	180
Unit 7	250	180
	1130	905
Chandrapur		
Unit 1	210	160
Unit 2	210	155
Unit 3	210	190
Unit 4	210	200
Unit 5	500	475
Unit 6	500	380
Unit 7	500	420
	2340	1980
Paras		
Unit 3	250	200
Unit 4	250	0
	500	200
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	190
Unit 5	210	165
	630	565
Uran		
All Units	852	450
	852	450
PENCH (MS)		
Pench (MS)	53	0
	53	0
Koyna		
Stage 1-2	600	460
Stage 4	1000	250
Stage 3	320	320
	1920	1030
Hydro		
KDPH	40	36
VTRNA	60	58

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	12
BHIRA T.R.	80	41
RNGR+BHTSA	20	12
BHANDARDRA	45	21
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	250
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	1002
WARDHA	405	421
Other CPPs	0	
	1005	1423
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	4936
	3455	4936