



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

State Load Dispatch Center, Airoli

Daily system Report

for

05/Jun/2012

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.718	583.940	1) Gujrat	8.050	51.025
2) Hydro	12.827	49.623	2) Madhya Pradesh	21.560	99.844
3) Gas	13.764	68.578	3) Chattisgarh	11.210	52.820
Total MSGENCO	143.309	702.141	4) Maharashtra	60.280	284.323
B) OTHERS			5) Goa	-5.648	-33.698
1) JSW JAIGAD	28.943	141.331	6) TAPS 1&2 Injection	7.646	38.311
2) WPCL	10.089	49.364	7) RGPPL Injection	25.195	106.406
3) Other CPP / IPP	6.636	31.906	8) Pench (Excess)	-0.165	-0.691
4) Wind Generation	12.564	112.701	# Total Cent. Sector	128.128	598.340
5) PENCH (MS)	0.165	0.691	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-17.114	-79.419
1) TPCL Thermal	28.344	135.478	G) Bilateral Power *		
2) TPCL Hydro	5.758	22.839	1) MSEDCL Bilateral	35.505	164.296
TOTAL TPCL	34.102	158.317	Include PX	1.571	1.571
3) REL Thermal	12.540	62.761	2) MUMBAI Bilateral	18.927	86.069
D) STATE			Include PX	3.501	11.791
1) Thermal (A1+C1+C3)	157.602	782.179	3) MUMBAI Schedule	18.927	86.069
2) Hydro (A2+B5+C2)	18.750	73.153	H) ENERGY CATERED (MUs)		
3) Gas (A3)	13.764	68.578	1) MSEDCL	312.720	1557.055
4) Wind (B4)	12.564	112.701	2) TPCL	41.910	198.065
5) CPP (B1+B2+B3)	45.668	222.601	3) REL	21.844	102.424
TOTAL STATE	248.348	1259.212	TOTAL STATE	376.474	1857.544

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	4642	4837	5123
MSGENCO Hydro	1711	701	110
MSGENCO Gas	602	572	618
MSGENCO Total Generation	6955	6110	5851
Central Sector Receipt	5665	5640	4980
WIND	284	516	621
CPP / IPP	1907	1907	1901
Exchange with Mumbai	-735	-885	-489
MSEDCL DEMAND MET	14076	13288	12864
Load Shedding	799	761	237
MSEDCL DEMAND	14875	14049	13101
TPCL GENERATION	1849	1721	983
R-INFRA GENERATION	522	525	525
TPCL+R-INFRA DEMAND	3106	3131	1997
STATE DEMAND MET	17182	16419	14861
STATE DEMAND	17981	17180	15098
Frequency (Hz)	49.50	49.87	49.88

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.38 Hz at 06.02 Hrs	49.18 Hz at 13.09 Hrs	49.8	.08 % 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/Jun/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.87	13.13	142	97	120
Unit 6	3.16	14.28	150	115	120
Unit 7	3.04	14.88	165	100	125
Total	9.08	42.29			365
Bhusawal					
Unit 2	3.32	16.55	150	135	140
Unit 3	3.92	19.80	175	150	170
Unit 4	5.44	18.13	340	164	
Unit 5	0.00	0.00	0	0	
Total	12.68	54.48			310
Parli					
Unit 3	4.52	18.94	203	160	190
Unit 4	0.00	2.58	0	0	0
Unit 5	4.10	19.50	180	155	165
Unit 6	5.46	24.92	242	195	230
Unit 7	4.60	17.71	213	101	210
Total	18.67	83.65			795
Chandrapur					
Unit 1	3.92	19.59	167	157	165
Unit 2	0.00	7.56	0	0	0
Unit 3	4.25	17.08	185	150	185
Unit 4	4.69	21.65	205	182	200
Unit 5	4.11	47.12	450	0	450
Unit 6	11.43	54.92	485	459	480
Unit 7	10.17	48.55	438	406	420
Total	38.58	216.47			1900
Paras					
Unit 3	5.90	23.86	258	228	250
Unit 4	0.00	0.00	0	0	0
Total	5.90	23.86			250
Khaparkheda					
Unit 1	0.00	13.85	0	0	0
Unit 2	0.00	0.72	0	0	0
Unit 3	4.93	24.79	222	182	210
Unit 4	5.24	24.85	223	213	210
Unit 5	6.70	25.89	317	246	300
Total	16.87	90.10			720
Nasik					
Unit 3	5.34	26.08	225	220	192
Unit 4	4.94	23.86	210	198	192
Unit 5	4.67	23.15	202	181	182
Total	14.95	73.09			566
Uran					
All Units	13.76	68.58	621	476	620
Total	13.76	68.58			620
PENCH (MS)					
Pench (MS)	0.16	0.69	25	0	
Total	0.16	0.69			
Koyna					
Stage 1-2	4.63	18.50	580	40	600
Stage 4	3.94	13.11	581	0	250
Stage 3	1.98	7.43	320	0	320
Kovna 12&4 Total	8.57	31.61			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	10.55	39.03			1170
Hydro					
KDPH	0.73	2.40	31	30	29
VTRNA	0.00	0.00	0	0	0
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.25	1.11	78	0	62
RNGR+BHTSA	0.27	0.63	12	10	10
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.42	1.75	24	13	11
GHATGHAR	0.61	4.70	167	0	0
Total	2.28	10.59			112
Wind					
MalharPeth	0.18	3.11			
Vankuswadi	0.31	5.91			
ATIT	0.10	0.84			
Kale	0.06	2.04			
Satara	0.24	11.18			
Shirala	0.16	2.11			
K Mahankal	0.19	5.17			
Supa	0.18	1.69			
Vita	0.44	12.43			
Dondaicha	7.99	47.40			
Sakri	0.99	6.49			
Nandurbar	0.83	4.74			
Khandke	0.20	4.57			
Khaparale	0.71	5.04			
Total	12.56	112.70			
CPP					
JSW JAIGAD	28.94	141.33	1210	1186	1100
WARDHA	10.09	49.36	423	417	420
Other CPPs	6.64	31.91			
Total	45.67	222.60			1520
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.99	53.79	502	395	500
Trombay 6	7.07	29.46	470	156	500
Trombay 7A	2.73	14.21	121	84	120
Trombay 7B	1.55	7.94	67	55	60
Trombay 8	6.01	30.08	253	245	250
TATA Hydro	5.76	22.84	471	0	447
Total	34.10	158.32			1877
REL					
1&2	12.54	62.76	525	518	500
Total	12.54	62.76			500
Cent Sect					
Share					5160
Total					5160

MS PG CL	Thermal	116.72	583.94			4906
	Thml+Gas	130.48	652.52			5526
	Hydro	12.83	49.62			1282
	Total	143.31	702.14			6808
State Total		248.35	1259.21			15865

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/Jun/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	5008	264	613	5885	885	1909	5235	5350	-845	-785	13244	173	13417	2491	15908	49.68
2	4975	94	613	5682	878	1905	5136	5232	-733	-670	13027	204	13231	2293	15524	49.74
3	5054	94	614	5762	785	1911	4866	4947	-650	-600	12805	218	13023	2143	15166	49.84
4	5064	95	617	5776	738	1900	4802	5043	-586	-533	12924	230	13154	2048	15202	49.92
5	5123	110	618	5851	621	1901	4770	4980	-545	-489	12864	237	13101	1997	15098	49.88
6	5141	119	621	5881	486	1905	4770	5326	-538	-474	13124	377	13501	2009	15510	49.93
7	5125	105	615	5845	367	1902	4776	5285	-543	-478	12921	701	13622	1987	15609	49.95
8	5113	103	613	5829	386	1903	4781	5218	-559	-509	12827	761	13588	2095	15683	49.84
9	5096	165	610	5871	362	1905	4778	5197	-572	-514	12821	938	13759	2360	16119	49.81
10	4933	643	603	6179	353	1905	5041	5845	-748	-640	13642	678	14320	2785	17105	49.72
11	4642	1400	599	6641	289	1901	5437	5492	-935	-773	13550	652	14202	3057	17259	49.58
12	4642	1711	602	6955	284	1907	5502	5665	-1003	-735	14076	799	14875	3106	17981	49.50
13	4700	1378	605	6683	264	1904	5505	5531	-1009	-761	13621	904	14525	3144	17669	49.76
14	4728	1364	598	6690	313	1898	5430	5400	-1040	-845	13456	779	14235	3092	17327	49.53
15	4784	1501	608	6893	362	1906	5365	5206	-1019	-836	13531	650	14181	3141	17322	49.61
16	4823	1238	615	6676	504	1909	5272	5444	-1033	-860	13673	696	14369	3153	17522	49.81
17	4837	701	572	6110	516	1907	5093	5640	-1054	-885	13288	761	14049	3131	17180	49.87
18	4744	163	516	5423	625	1905	4939	5284	-885	-900	12352	721	13073	3081	16154	50.03
19	4751	112	500	5363	673	1906	4924	5172	-742	-1134	12005	451	12456	2952	15408	50.02
20	4761	164	495	5420	575	1884	5105	5283	-764	-959	12228	586	12814	2949	15763	49.96
21	4695	177	483	5355	731	1891	5073	5558	-713	-762	12798	431	13229	2822	16051	49.94
22	4653	112	476	5241	497	1897	5100	5567	-738	-641	12586	259	12845	2709	15554	49.97
23	4683	272	478	5433	536	1902	5051	5314	-808	-657	12553	148	12701	2621	15322	49.68
24	4643	742	480	5865	534	1905	4995	5149	-866	-674	12804	130	12934	2590	15524	49.70
MUs	116.7 2	12.83	13.76	143.31	12.56	45.67	121.75	128.13	-18.93	-17.11	312.72	12.48	325.20	63.76	388.96	49.80

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/Jun/2012

Position as on 6.30 Hrs of 06/Jun/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Paras Unit 4	250	01/05/2012	03.25		Continued.	Annual Overhaul.	10/06/2012
Cent_Sect NTPC(V-3)	210	20/05/2012	00:25		Continued.	AOH.	
Khaparkheda Unit 2	210	01/06/2012	05.45		Continued.	Annual overhaul.	05/07/2012
Cent_Sect NTPC(K-5)	500	01/06/2012	23.50		Continued.	A/OH.	30/06/2012
FORCED OUTAGE							
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 4	210	02/06/2012	00.30		Continued.	ID Fan problem.	
Chandrapur Unit 2	210	02/06/2012	22.48	06/06/2012	02.26	Economiser T/L.	
Khaparkheda Unit 1	210	03/06/2012	21.05		Continued.	Flame failure.	
Cent_Sect NTPC(V-5)	210	04/06/2012	12:38		Continued.	Boiler Tube Leakage.	
Cent_Sect NTPC(V-8)	500	04/06/2012	12:49		Continued.	Boiler Tube Leakage.	
Chandrapur Unit 5	500	05/06/2012	09.55		Continued.	Boiler Tube Leakage	
Uran Unit 5	108	05/06/2012	18.28		Continued.	Gas Shortage	
Bhusawal Unit 4	500	06/06/2012	01.35	06/06/2012	06.02	Furnance pressure Low	

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

Position as on 6.30 Hrs of 06/Jun/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
765 KV Wardha - Seoni - I	30/05/2012	17.48		Continued.	Over Voltage.
Kolhapur - Mapusa - I	05/06/2012	17.29		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur - Mapusa - I	04/06/2012	04.45	05/06/2012	09.21	Distance protection.
Voltage Level : 220KV			Outage Type TRIPPED		
Tillary-Amona	05/06/2012	03.55	05/06/2012	04.55	LBB Operated at Tillary
Tillary-Amona	05/06/2012	05.45	05/06/2012	07.08	Distance protection
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50MVAR Reactor C'Pur - Parli - I at Parli end	16/04/2012	16.50		Continued.	Filtration work
400/220 KV 315 MVA ICT-II @ Dhule	02/06/2012	09.01		Continued.	Cable termination work.
400/220KV 315MVA ICT-I @ Chandrapur	04/06/2012	08.17	05/06/2012	18.44	Retrofitting of Diff.and Back up OC Relay
Koradi - Bhusawal	05/06/2012	06.06	05/06/2012	10.20	Isolator Maint.(Ckt.on TBC)
Kalwa-Kharghar	05/06/2012	08.45	05/06/2012	17.21	Pre monsoon maint.work
Dabhol - Nagothane - I	05/06/2012	09.16	05/06/2012	17.16	Cold Line Insulator washing
Newkoyna - Jaigad - I	05/06/2012	10.01	05/06/2012	13.59	Cold Line Insulator washing
Koradi - Kaparkheda	05/06/2012	11.05	05/06/2012	13.02	Isolator Maint.(Ckt on TBC)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Uran-Kharghar-II	15/02/2012	07.42		Continued.	Mumbai system strengthening work
Kharghar-Topworth	15/02/2012	07.47		Continued.	Mumbai system strengthening work
Kharghar-TSS	18/02/2012	08.52		Continued.	Temporary Reconfigured as Uran-TSS at 20.30Hrs Dt.18/2/12
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
Padgha-Temghar I	04/06/2012	14.57		Continued.	To Control Padgha ICT Loading
Khaperkheda-Purti	05/06/2012	08.18	05/06/2012	19.44	Stringing work of 400KV LILO Line on 400KV D/C Koradi-Wardha Line
Purti - Bhugaon	05/06/2012	08.18	05/06/2012	19.41	Stringing work of 400KV LILO Line on 400KV D/C Koradi-Wardha Line
Kharepatan-Pawas	05/06/2012	10.00	05/06/2012	15.40	Maintenace work
Kandalgaon - Sona Alloy	05/06/2012	10.11	05/06/2012	20.26	Erection of new 60 degree Tower
Kandalgaon - Lonand	05/06/2012	10.11	05/06/2012	20.45	Insulator replacement work
220/100KV 200 MVA ICT-IV at Padgha	05/06/2012	10.15	05/06/2012	13.09	Pre Monsoon maint.work
Vita - Ghatnandare	05/06/2012	10.20	05/06/2012	15.19	Q.M.Work
220/132 KV 200 MVA ICT - II @ Bale	05/06/2012	10.37	05/06/2012	15.58	Hot Spot
Apta - Tambati	05/06/2012	10.50	05/06/2012	18.54	Bus section outage at Tambati
Bus Section-II at Tambati	05/06/2012	11.14	05/06/2012	19.52	Bus Outage
220/132 KV 200 MVA ICT - III @ Bale	05/06/2012	16.22	05/06/2012	20.00	Hot Spot
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Chalishaon - Manmad	05/06/2012	10.39	05/06/2012	16.45	Replacement of Jumper
Voltage Level : 400KV			Outage Type HAND TRIPPED		

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

Position as on 6.30 Hrs of 06/Jun/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Aurangabad-Deepnagar-II	31/05/2012	18.41		Continued.	Over Voltage.
Bhusawal- Aurangabad	04/06/2012	18.00	05/06/2012	07.55	Over Voltage
400/220 KV 500 MVA ICT - I @ Solapur	05/06/2012	17.16	05/06/2012	17.31	To take Tie Breaker in service
Bhusawal- Aurangabad	05/06/2012	18.18	06/06/2012	05.36	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Karad-Jaigad I	04/06/2012	22.34	05/06/2012	09.10	Distance Protection
Lonikand- Koyna Stage IV	05/06/2012	17.39	05/06/2012	18.12	Distance Protection
Karad-Jaigad I	05/06/2012	18.06	05/06/2012	22.18	Distance Protection
Lonikand- Koyna Stage IV	05/06/2012	18.24		Continued.	Distance Protection
New Koyna - Dabhol - I	06/06/2012	03.15		Continued.	Distance Protection
Voltage Level : 220KV			Outage Type TRIPPED		
Pophali - Karad	04/06/2012	18.27	05/06/2012	03.42	Distance Protection
Oni - Kharepatan	05/06/2012	15.12	05/06/2012	20.25	B Phase Earth Fault
Karad-Pophali	05/06/2012	17.36	05/06/2012	17.55	Distance Protection
Wadkhal-IPCL I	06/06/2012	02.56		Continued.	Distance Protection
Nagothane-IPCL	06/06/2012	04.55		Continued.	Distance Protection
Wadkhal-IPCL-II	06/06/2012	05.02		Continued.	Distance Protection
Nagothane-IPCL	06/06/2012	05.03		Continued.	Distance Protection
SPCL - IPCL	06/06/2012	05.05	06/06/2012	06.03	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 06/Jun/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	135
Unit 7	210	145
	620	410
Bhusawal		
Unit 2	210	140
Unit 3	210	170
Unit 4	500	
Unit 5	500	
	1420	310
Parli		
Unit 3	210	164
Unit 4	210	0
Unit 5	210	180
Unit 6	250	235
Unit 7	250	193
	1130	772
Chandrapur		
Unit 1	210	165
Unit 2	210	80
Unit 3	210	185
Unit 4	210	190
Unit 5	500	0
Unit 6	500	470
Unit 7	500	425
	2340	1515
Paras		
Unit 3	250	230
Unit 4	250	
	500	230
Khaparkheda		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	210
Unit 4	210	210
Unit 5	500	250
	1340	670
Nasik		
Unit 3	210	192
Unit 4	210	192
Unit 5	210	182
	630	566
Uran		
All Units	852	480
	852	480
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	31
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	78
RNGR+BHTSA	20	11
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	
	611	129
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	390
Other CPPs	0	
	1005	1490
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	5060
	3455	5060

	18400	7 of 7 15179
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