



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

State Load Dispatch Center, Airoli

Daily system Report

for

09/Jun/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 09/Jun/2012 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	117.813	1026.123	1) Gujrat	8.614	73.012
2) Hydro	4.790	95.288	2) Madhya Pradesh	14.275	183.314
3) Gas	11.152	113.697	3) Chattisgarh	7.430	93.270
Total MSGENCO	133.755	1235.108	4) Maharashtra	47.421	503.568
B) OTHERS			5) Goa	-6.691	-60.229
1) JSW JAIGAD	27.846	254.900	6) TAPS 1&2 Injection	7.612	68.821
2) WPCL	9.947	88.297	7) RGPPL Injection	24.469	190.781
3) Other CPP / IPP	7.076	59.770	8) Pench (Excess)	-0.240	-1.330
4) Wind Generation	24.081	171.599	# Total Cent. Sector	102.890	1051.207
5) PENCH (MS)	0.240	1.330	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-13.340	-134.034
1) TPCL Thermal	25.696	246.278	G) Bilateral Power *		
2) TPCL Hydro	5.670	44.440	1) MSEDCL Bilateral	32.928	299.448
TOTAL TPCL	31.366	290.718	Include PX	0.000	3.249
3) REL Thermal	12.590	113.104	2) MUMBAI Bilateral	14.978	153.390
D) STATE			Include PX	0.344	20.890
1) Thermal (A1+C1+C3)	156.099	1385.505	3) MUMBAI Schedule	14.978	153.390
2) Hydro (A2+B5+C2)	10.700	141.058	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.152	113.697	1) MSEDCL	292.495	2728.177
4) Wind (B4)	24.081	171.599	2) TPCL	38.105	355.812
5) CPP (B1+B2+B3)	44.869	402.967	3) REL	19.189	182.031
TOTAL STATE	246.901	2214.826	TOTAL STATE	349.789	3266.020

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4873	4881	5112
MSGENCO Hydro	232	63	75
MSGENCO Gas	466	465	468
MSGENCO Total Generation	5571	5409	5655
Central Sector Receipt	5126	4378	3623
WIND	929	1233	999
CPP / IPP	1806	1915	1865
Exchange with Mumbai	-651	-683	-357
MSEDCL DEMAND MET	12781	12252	11785
Load Shedding	608	577	270
MSEDCL DEMAND	13389	12829	12055
TPCL GENERATION	1536	1477	971
R-INFRA GENERATION	525	524	527
TPCL+R-INFRA DEMAND	2712	2684	1855
STATE DEMAND MET	15493	14936	13640
STATE DEMAND	16101	15513	13910
Frequency (Hz)	49.54	49.65	49.57

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.27 Hz at 18.05 Hrs	48.79 Hz at 00.04 Hrs	49.62	4.35 % 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 09/Jun/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.72	24.78	134	91	115
Unit 6	2.93	26.33	150	94	120
Unit 7	3.12	28.04	150	115	120
Total	8.78	79.14			355
Bhusawal					
Unit 2	3.32	29.45	160	130	140
Unit 3	4.20	36.48	185	150	180
Unit 4	0.00	18.53	0	0	0
Unit 5	0.00	0.00	0	0	0
Total	7.52	84.46			320
Parli					
Unit 3	3.85	34.39	195	137	155
Unit 4	0.00	2.58	0	0	0
Unit 5	3.73	34.02	178	126	150
Unit 6	4.24	44.14	195	157	185
Unit 7	4.04	35.11	200	147	210
Total	15.88	150.25			700
Chandrapur					
Unit 1	3.89	35.12	168	155	165
Unit 2	3.90	22.28	170	154	165
Unit 3	4.33	34.59	188	155	185
Unit 4	4.60	40.03	203	159	205
Unit 5	9.77	60.36	465	320	450
Unit 6	9.80	96.70	480	307	460
Unit 7	9.74	87.21	425	364	425
Total	46.04	376.30			2055
Paras					
Unit 3	4.89	46.49	255	0	250
Unit 4	0.00	0.00	0	0	0
Total	4.89	46.49			250
Khaparkheda					
Unit 1	4.81	20.60	210	190	210
Unit 2	0.00	0.72	0	0	0
Unit 3	4.58	44.21	210	176	210
Unit 4	4.77	45.09	222	178	210
Unit 5	5.64	47.01	262	195	200
Total	19.80	157.63			830
Nasik					
Unit 3	5.25	47.12	225	210	210
Unit 4	5.00	43.17	210	199	210
Unit 5	4.64	41.55	199	186	200
Total	14.90	131.85			620
Uran					
All Units	11.15	113.70	477	451	460
Total	11.15	113.70			460
PENCH (MS)					
Pench (MS)	0.24	1.33	25	0	
Total	0.24	1.33			
Koyna					
Stage 1-2	1.79	34.13	375	35	600
Stage 4	0.44	27.80	198	0	250
Stage 3	0.28	14.36	118	0	320
Kovna 12&4 Total	2.23	61.93			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.51	76.28			1170
Hydro					
KDPH	0.00	3.47	0	0	18
VTRNA	0.62	2.29	61	0	60
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.30	2.31	81	0	80
RNGR+BHTSA	0.23	1.70	10	9	0
BHANDARDRA	0.17	0.17	14	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.11	2.76	11	2	20
GHATGHAR	0.84	6.30	250	0	0
Total	2.28	19.00			178
Wind					
MalharPeth	0.76	4.77			
Vankuswadi	1.31	8.20			
ATIT	0.14	1.43			
Kale	0.22	2.73			
Satara	0.50	13.01			
Shirala	0.40	3.38			
K Mahankal	3.35	10.63			
Supa	0.28	2.19			
Vita	2.87	19.44			
Dondaicha	10.38	75.14			
Sakri	1.30	9.99			
Nandurbar	0.83	7.51			
Khandke	0.96	5.96			
Khaparale	0.79	7.21			
Total	24.08	171.60			
CPP					
JSW JAIGAD	27.85	254.90	1222	1046	1100
WARDHA	9.95	88.30	424	410	376
Other CPPs	7.08	59.77			
Total	44.87	402.97			1476
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.48	98.66	503	230	500
Trombay 6	4.70	53.38	338	156	500
Trombay 7A	2.90	25.81	122	118	120
Trombay 7B	1.60	14.34	68	66	60
Trombay 8	6.02	54.09	252	249	250
TATA Hydro	5.67	44.44	471	6	447
Total	31.37	290.72			1877
REL					
1&2	12.59	113.10	527	523	500
Total	12.59	113.10			500
Cent Sect					
Share					4978
Total					4978

MS PG CL	Thermal	117.81	1026.12			5130
	Thml+Gas	128.96	1139.82			5590
	Hydro	4.79	95.29			1348
	Total	133.76	1235.11			6938
State Total		246.90	2214.83			15769

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 09/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	5064	199	472	5735	828	1889	4742	4294	-679	-506	12264	128	12392	2267	14659	49.32
2	5011	56	472	5539	911	1891	4647	4094	-567	-456	12003	246	12249	2081	14330	49.60
3	5034	51	472	5557	916	1858	4597	3904	-510	-402	11857	255	12112	1968	14080	49.50
4	5056	58	470	5584	1041	1863	4495	3834	-472	-366	11960	262	12222	1881	14103	49.50
5	5112	75	468	5655	999	1865	4456	3623	-450	-357	11785	270	12055	1855	13910	49.57
6	5094	65	477	5636	948	1876	4400	3939	-414	-363	12036	367	12403	1886	14289	49.57
7	5050	66	475	5591	886	1870	4524	3905	-498	-360	11892	701	12593	1860	14453	49.68
8	5099	76	476	5651	892	1801	4532	4102	-502	-417	12047	737	12784	1930	14714	49.73
9	5083	82	467	5632	997	1802	4451	3724	-419	-395	11764	854	12618	2140	14758	49.84
10	5021	127	462	5610	912	1839	4827	4472	-631	-572	12261	649	12910	2447	15357	49.78
11	4873	232	466	5571	929	1806	5120	5126	-751	-651	12781	608	13389	2712	16101	49.54
12	4620	726	457	5803	884	1783	5104	4789	-792	-607	12652	679	13331	2755	16086	49.43
13	4652	632	459	5743	862	1821	5086	4983	-798	-647	12762	781	13543	2766	16309	49.64
14	4754	490	459	5703	808	1812	5078	4653	-782	-647	12329	677	13006	2750	15756	49.69
15	4786	476	451	5713	1078	1867	5093	4814	-778	-681	12791	571	13362	2763	16125	49.53
16	4788	240	457	5485	1061	1927	5069	4776	-770	-675	12574	593	13167	2755	15922	49.58
17	4881	63	465	5409	1233	1915	5056	4378	-739	-683	12252	577	12829	2684	15513	49.65
18	4874	125	466	5465	1258	1924	5008	3899	-684	-695	11851	124	11975	2611	14586	49.92
19	4854	135	466	5455	1267	1888	5044	3490	-681	-785	11335	53	11388	2512	13900	49.81
20	4850	192	459	5501	1018	1903	5194	4400	-632	-722	12124	45	12169	2613	14782	49.76
21	4865	211	464	5540	1260	1906	5095	4397	-541	-558	12569	45	12614	2602	15216	49.65
22	4815	154	462	5431	1041	1904	5122	4286	-558	-548	12139	41	12180	2545	14725	49.57
23	4797	133	454	5384	1044	1922	5140	4448	-650	-644	12178	12	12190	2490	14680	49.69
24	4784	126	456	5366	1008	1937	5093	4561	-677	-603	12294	10	12304	2423	14727	49.32
MUs	117.82	4.79	11.15	133.76	24.08	44.87	116.97	102.89	-14.98	-13.34	292.50	9.28	301.78	57.30	359.08	49.62

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 09/Jun/2012

Position as on 6.30 Hrs of 10/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.	12/06/2012
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	09/06/2012	05.40	Maintenance work.	
Parli Unit 4	210	02/06/2012	00.30		Continued.	ID Fan problem.	13/06/2012
Uran Unit 5	108	05/06/2012	18.28		Continued.	Gas Shortage	
Bhusawal Unit 4	500	06/06/2012	06.27		Continued.	Vibration Problem	
Dabhol 2B	230	08/06/2012	11.21		Continued.	W/Dn.	
Koyna Unit 10	80	09/06/2012	08.40	09/06/2012	17.50	R.M.Work	
Koyna Unit 1	75	09/06/2012	09.30		Continued.	Micom relay replacement.	14/06/2012
Paras Unit 3	250	09/06/2012	10.17	09/06/2012	12.42	Drum level high.	
Koyna Unit 5	80	10/06/2012	06.20	10/06/2012	17.35	Outage on 220 KV Bus Section II at Pophali.	
Koyna Unit 7	80	10/06/2012	06.30	10/06/2012	17.20	Outage on 220 KV Bus Section II at Pophali.	
Koyna Unit 6	75	10/06/2012	06.48	10/06/2012	16.15	Outage on 220 KV Bus Section II at Pophali.	
Koyna Unit 8	80	10/06/2012	07.05	10/06/2012	18.05	Outage on 220 KV Bus Section II at Pophali.	
Nasik Unit 5	210	10/06/2012	14.50		Continued.	BLR T/L.	14/06/2012

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 09/Jun/2012

Position as on 6.30 Hrs of 10/Jun/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Koradi-Bhilai	09/06/2012	09.21	09/06/2012	13.03	Maintenance work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	09/06/2012	03.50		Continued.	Over Voltage.
Dhule-S'Sarovar I	10/06/2012	01.55		Continued.	Over Voltage.
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
400/220KV 315MVA ICT- I @ Chandrapur	06/06/2012	23.00		Continued.	Main Breaker Compressor problem(ICT on TBC)
Karad-Lonikhand	08/06/2012	11.38		Continued.	Repl.of Faulty Insulator(Ready for charging Dt.11/6/12 at 19.24Hrs)
Chandrapur - Parli - III	09/06/2012	09.27		Continued.	Overhauling of breaker(Ckt charged through TBC at Parly end)
Dabhol - Nagothane - I	09/06/2012	09.35	09/06/2012	20.00	Cold line washing insulator.
Dhule - Babhaleshwar - I	09/06/2012	10.54	09/06/2012	15.02	Earth wire clamp fixing.
400/220 KV 500 MVA ICT @ Solapur	10/06/2012	13.29	10/06/2012	17.23	For alignment of 29C and 29D isolator.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Uran-Kharghar-II	15/02/2012	07.42	09/06/2012	18.24	Mumbai system strengthening work
Khargar-Topworth	15/02/2012	07.47	09/06/2012	19.01	Mumbai system strengthening work
Kharghar-TSS	18/02/2012	08.52	09/06/2012	18.41	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.
220/132KV 100 MVA ICT- III @ Nasik OCR	09/06/2012	10.25	09/06/2012	11.50	To removed bird nest.
Babaleshwar - Babaleshwar - I	09/06/2012	10.35	09/06/2012	15.28	Q.M.Work
Wada-Kolshet	09/06/2012	13.42	09/06/2012	17.35	Replacement of faulty insulator.
220/132 KV,200 MVA ICT-II At Chalisgaon	09/06/2012	14.18	09/06/2012	16.17	Replacement of damaged Y ph. isolator stack.
Pophali - Pedambe - II	10/06/2012	06.32	10/06/2012	15.55	Due to outage on 220KV bus section-II at Pophali.
Pophali - Karad	10/06/2012	06.40	10/06/2012	16.30	Due to outage on 220KV bus section-II at Pophali.
Pophali-New Koyna	10/06/2012	06.42	10/06/2012	17.06	Due to outage on 220KV bus section-II at Pophali.
Bus Section -II @ Pophali	10/06/2012	07.05	10/06/2012	15.55	P.M.Work
220/33 KV 100 MVA ICT- III @ Versova	10/06/2012	07.23	10/06/2012	09.15	Pre mansoon maintenance work.
220/33 KV 100 MVA T/F V at AAREY	10/06/2012	09.24	10/06/2012	16.12	Attending SF-6 leakage.
220/100KV 200 MVA ICT III at Borivali	10/06/2012	10.04	10/06/2012	13.30	Pre mansoon maintenance work.
Boiser-Versova	10/06/2012	11.52	10/06/2012	13.15	To attend Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Deepnagar-Aurangabad-I	06/06/2012	18.20		Continued.	Over Voltage.
Bhusawal- Aurangabad	08/06/2012	19.19	09/06/2012	10.41	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 09/Jun/2012

Position as on 6.30 Hrs of 10/Jun/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	09/06/2012	17.34	10/06/2012	8:50	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV,500 MVA ICT-II At Lamboti.	09/06/2012	16.11	09/06/2012	21.00	NDR
400/220KV 500MVA ICT-III at Dhule	09/06/2012	16.29	09/06/2012	16.40	NDR
Voltage Level : 220KV			Outage Type TRIPPED		
Wada-Kolshet	09/06/2012	04.15	09/06/2012	04.50	Distance protection.
Aurangabad - Padegaon - I.	09/06/2012	17.58	09/06/2012	21.27	Distance protection.
Aurangabad-Padegaon CKT-II	09/06/2012	17.58	09/06/2012	18.40	Distance protection.
Amalner-Deepnagar	09/06/2012	18.09	09/06/2012	18.45	Distance potection.
Khaparkheda - Kanhan - I	09/06/2012	21.06	10/06/2012	05.36	Distance protection.
220/100KV 200 MVA ICT-II @ Kolshet	10/06/2012	07.15	10/06/2012	08.58	Tripped.
220/100KV 200 MVA ICT-II @ Kolshet	10/06/2012	10.10	10/06/2012	13.40	Master trip.
Trombay-Mulund	10/06/2012	16.10	10/06/2012	20.29	Distance Protection.
Mahape-Tifil	10/06/2012	18.26	10/06/2012	19.51	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Paranda-Bhoom	08/06/2012	18.16	09/06/2012	08.35	Distance protection.
Chalisgaon-Dhule	10/06/2012	11.40		Continued.	R Phase Breaker Pole Burst(Ckt.charged through TBC)

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 10/Jun/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	150
Unit 7	210	165
	620	445
Bhusawal		
Unit 2	210	165
Unit 3	210	180
Unit 4	500	
Unit 5	500	
	1420	345
Parli		
Unit 3	210	160
Unit 4	210	0
Unit 5	210	165
Unit 6	250	160
Unit 7	250	155
	1130	640
Chandrapur		
Unit 1	210	165
Unit 2	210	165
Unit 3	210	185
Unit 4	210	200
Unit 5	500	250
Unit 6	500	250
Unit 7	500	0
	2340	1215
Paras		
Unit 3	250	250
Unit 4	250	0
	500	250
Khaparkheda		
Unit 1	210	210
Unit 2	210	0
Unit 3	210	210
Unit 4	210	210
Unit 5	500	250
	1340	880
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	200
	630	620
Uran		
All Units	852	460
	852	460
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	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	14
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	173
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	395
Other CPPs	0	
	1005	1495
Tata		
Trombay 4	150	0
Trombay 5	500	250
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4695
	3455	4695

	18400	7 of 7 14445
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