



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

State Load Dispatch Center, Airoli

Daily system Report

for

10/Jun/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 10/Jun/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	106.884	1133.007	1) Gujrat	3.121	76.133
2) Hydro	6.467	101.755	2) Madhya Pradesh	13.455	196.769
3) Gas	11.420	125.117	3) Chattisgarh	8.810	102.080
Total MSGENCO	124.771	1359.879	4) Maharashtra	45.401	548.969
B) OTHERS			5) Goa	-5.788	-66.017
1) JSW JAIGAD	28.993	283.893	6) TAPS 1&2 Injection	7.598	76.419
2) WPCL	10.090	98.387	7) RGPPL Injection	22.814	213.595
3) Other CPP / IPP	7.759	67.529	8) Pench (Excess)	-0.116	-1.446
4) Wind Generation	25.423	197.022	# Total Cent. Sector	95.295	1146.502
5) PENCH (MS)	0.116	1.446	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-8.923	-142.957
1) TPCL Thermal	20.986	267.264	G) Bilateral Power *		
2) TPCL Hydro	5.421	49.861	1) MSEDCL Bilateral	28.320	327.768
TOTAL TPCL	26.407	317.125	Include PX	0.000	3.249
3) REL Thermal	12.578	125.682	2) MUMBAI Bilateral	12.170	165.560
D) STATE			Include PX	-0.672	20.218
1) Thermal (A1+C1+C3)	140.448	1525.953	3) MUMBAI Schedule	12.170	165.560
2) Hydro (A2+B5+C2)	12.004	153.062	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.420	125.117	1) MSEDCL	283.524	3011.701
4) Wind (B4)	25.423	197.022	2) TPCL	31.369	387.181
5) CPP (B1+B2+B3)	46.842	449.809	3) REL	16.539	198.570
TOTAL STATE	236.137	2450.963	TOTAL STATE	331.432	3597.452

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4367	4342	4596
MSGENCO Hydro	592	219	68
MSGENCO Gas	473	469	477
MSGENCO Total Generation	5432	5030	5141
Central Sector Receipt	4337	3783	4005
WIND	1134	1045	995
CPP / IPP	1956	1959	1957
Exchange with Mumbai	-360	-350	-405
MSEDCL DEMAND MET	12499	11491	11693
Load Shedding	795	487	4
MSEDCL DEMAND	13294	11978	11697
TPCL GENERATION	1165	1292	942
R-INFRA GENERATION	525	524	523
TPCL+R-INFRA DEMAND	2050	2166	1870
STATE DEMAND MET	14549	13657	13563
STATE DEMAND	15344	14144	13567
Frequency (Hz)	49.59	49.58	49.38

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.34 Hz at 18.02 Hrs	48.84 Hz at 00.50 Hrs	49.62	8.23 % 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 10/Jun/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.04	27.82	139	114	130
Unit 6	3.56	29.89	165	128	150
Unit 7	3.65	31.68	170	130	165
Total	10.26	89.40			445
Bhusawal					
Unit 2	3.77	33.22	165	135	165
Unit 3	4.14	40.61	180	155	180
Unit 4	0.00	18.53	0	0	
Unit 5	0.00	0.00	0	0	
Total	7.90	92.36			345
Parli					
Unit 3	4.42	38.81	200	149	160
Unit 4	0.00	2.58	0	0	0
Unit 5	3.90	37.92	172	142	165
Unit 6	4.23	48.38	210	157	160
Unit 7	3.88	38.99	189	136	155
Total	16.43	166.68			640
Chandrapur					
Unit 1	3.90	39.03	168	148	165
Unit 2	4.05	26.33	175	156	165
Unit 3	4.23	38.82	187	161	185
Unit 4	4.48	44.51	198	176	200
Unit 5	6.64	67.00	340	215	250
Unit 6	7.99	104.69	460	215	250
Unit 7	1.23	88.44	341	0	0
Total	32.52	408.82			1215
Paras					
Unit 3	6.08	52.57	260	242	250
Unit 4	0.00	0.00	0	0	0
Total	6.08	52.57			250
Khaparkheda					
Unit 1	4.62	25.23	205	160	210
Unit 2	0.00	0.72	0	0	0
Unit 3	4.85	49.06	208	193	210
Unit 4	4.88	49.98	221	186	210
Unit 5	6.20	53.21	280	237	250
Total	20.56	178.19			880
Nasik					
Unit 3	5.26	52.38	225	215	210
Unit 4	5.01	48.18	214	175	210
Unit 5	2.87	44.42	199	0	200
Total	13.14	144.98			620
Uran					
All Units	11.42	125.12	487	467	460
Total	11.42	125.12			460
PENCH (MS)					
Pench (MS)	0.12	1.45	25	0	
Total	0.12	1.45			
Koyna					
Stage 1-2	1.94	36.07	240	35	530
Stage 4	0.30	28.10	178	0	250
Stage 3	0.66	15.02	160	0	320
Kovna 12&4 Total	2.24	64.17			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.91	79.19			1100
Hydro					
KDPH	0.00	3.47	0	0	0
VTRNA	0.99	3.28	61	0	61
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER		0.00	0	0	0
BHIRA T.R.	0.36	2.67	80	0	80
RNGR+BHTSA	0.28	1.99	12	11	10
BHANDARDRA	0.34	0.50	14	14	14
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.13	2.89	12	3	8
GHATGHAR	1.46	7.77	250	0	0
Total	3.56	22.56			173
Wind					
MalharPeth	0.79	5.56			
Vankuswadi	1.39	9.59			
ATIT	0.18	1.62			
Kale	0.39	3.11			
Satara	3.78	16.80			
Shirala	0.94	4.32			
K Mahankal	0.11	10.74			
Supa	0.38	2.57			
Vita	2.57	22.00			
Dondaicha	10.08	85.22			
Sakri	1.31	11.30			
Nandurbar	1.04	8.56			
Khandke	1.46	7.42			
Khaparale	0.99	8.21			
Total	25.42	197.02			
CPP					
JSW JAIGAD	28.99	283.89	1221	1186	1100
WARDHA	10.09	98.39	431	410	395
Other CPPs	7.76	67.53			
Total	46.84	449.81			1495
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	5.22	103.88	227	160	250
Trombay 6	5.20	58.58	245	156	500
Trombay 7A	2.95	28.76	125	118	120
Trombay 7B	1.61	15.95	68	66	60
Trombay 8	6.01	60.10	252	247	250
TATA Hydro	5.42	49.86	411	38	447
Total	26.41	317.12			1627
REL					
1&2	12.58	125.68	526	523	500
Total	12.58	125.68			500
Cent Sect					
Share					4695
Total					4695

MS PG CL	Thermal	106.88	1133.01			4395
	Thml+Gas	118.30	1258.12			4855
	Hydro	6.47	101.76			1273
	Total	124.77	1359.88			6128
State Total		236.14	2450.96			14445

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 10/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	4825	129	476	5430	1133	1962	5075	4322	-704	-652	12202	2	12204	2298	14502	49.11
2	4754	71	476	5301	1117	1946	4974	4189	-606	-480	12073	4	12077	2108	14185	49.57
3	4783	73	477	5333	1022	1943	4664	3994	-537	-434	11858	4	11862	1969	13831	49.49
4	4596	68	477	5141	995	1957	4636	4005	-508	-405	11693	4	11697	1870	13567	49.38
5	4347	78	477	4902	1028	1950	4591	4248	-480	-348	11780	4	11784	1836	13620	49.29
6	4366	329	487	5182	1041	1943	4515	4532	-441	-369	12329	336	12665	1851	14516	49.69
7	4397	149	487	5033	1104	1954	4472	4114	-399	-268	11937	764	12701	1784	14485	49.74
8	4484	125	484	5093	1154	1946	4456	3950	-385	-314	11829	825	12654	1762	14416	49.93
9	4483	128	479	5090	1109	1945	4437	3792	-365	-306	11630	754	12384	1820	14204	49.94
10	4386	182	478	5046	1224	1951	4451	4579	-369	-320	12480	578	13058	1899	14957	49.83
11	4308	537	472	5317	1079	1947	4508	4340	-446	-353	12330	637	12967	1995	14962	49.70
12	4367	592	473	5432	1134	1956	4585	4337	-512	-360	12499	795	13294	2050	15344	49.59
13	4491	613	474	5578	1024	1960	4449	3939	-532	-325	12176	875	13051	2075	15126	49.64
14	4546	585	467	5598	1066	1952	4324	3817	-532	-394	12039	774	12813	2042	14855	49.69
15	4541	565	467	5573	1017	1942	4259	3725	-493	-344	11913	655	12568	2039	14607	49.48
16	4380	738	468	5586	1151	1938	4133	3560	-508	-341	11894	628	12522	2046	14568	49.63
17	4359	130	472	4961	1115	1935	4062	3614	-468	-242	11383	637	12020	1943	13963	49.72
18	4320	79	473	4872	1094	1946	4023	3354	-426	-383	10883	300	11183	1898	13081	49.91
19	4345	120	477	4942	1133	1958	3988	3455	-440	-492	10996	93	11089	1929	13018	49.91
20	4343	235	474	5052	996	1943	4140	3935	-506	-373	11565	339	11904	2099	14003	49.63
21	4342	219	469	5030	1045	1959	4202	3783	-559	-350	11491	487	11978	2166	14144	49.58
22	4378	153	472	5003	1079	1968	4247	3651	-593	-331	11394	469	11863	2169	14032	49.37
23	4315	173	482	4970	811	1973	4424	3987	-665	-362	11404	213	11617	2149	13766	49.49
24	4428	396	482	5306	752	1968	4371	4073	-697	-377	11746	155	11901	2111	14012	49.58
MUs	106.88	6.47	11.42	124.77	25.42	46.84	105.99	95.30	-12.17	-8.92	283.52	10.33	293.86	47.91	341.76	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 10/Jun/2012

Position as on 6.30 Hrs of 11/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	
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 1	75	09/06/2012	09.30		Continued.	Micom relay replacement.	14/06/2012
Chandrapur Unit 7	500	10/06/2012	03.59	11/06/2012	22.02	Steam line leakage.	
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
Koyna ST - IV 3	250	10/06/2012	23.05	11/06/2012	18.52	PLCC Problem.	
Koyna Unit 10	80	11/06/2012	06.04	11/06/2012	15.00	B-Ph conductor between gantry and tower no.1.	
Parli Unit 6	250	11/06/2012	12.56	11/06/2012	17.35	High Furnace pressure	
Cent_Sect Sipat U-2	660	11/06/2012	14.45		Continued.	Boiler Tube Leakage	14/06/2012
Khaparkheda Unit 5	500	11/06/2012	18.24	11/06/2012	23.02	Flame Failure	
Parli Unit 7	250	11/06/2012	18.30		Continued.	CHP problem	14/06/2012

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Jun/2012

Position as on 6.30 Hrs of 11/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	11/06/2012	10.52	Over Voltage.
Kolhapur - Mapusa - I	09/06/2012	03.50		Continued.	Over Voltage.
Dhule-S'Sarovar I	10/06/2012	01.55		Continued.	Over Voltage.
765KV Seoni - Wardha - II	11/06/2012	12.04		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
400/220 KV 315 MVA ICT-II @ Dhule	02/06/2012	09.03	11/06/2012	20.27	Shifting of control cable to new switch yard(ICT is on Humming)
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)
400/220 KV 500 MVA ICT @ Solapur	10/06/2012	13.29	10/06/2012	17.23	For alignment of 29C and 29D isolator.
400/220KV 315MVA ICT-I @ Kharghar	11/06/2012	11.15	11/06/2012	13.43	Paper wrapping work
400/220KV, 315MVA ICT-I @ New Koyna.	11/06/2012	11.15	11/06/2012	15.05	Paper wrapping work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
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.
220/132KV 200 MVA ICT-II @ Amravati	11/06/2012	08.05	11/06/2012	18.17	Replacement Y&B phase of LV CT
Apta-Nagothane	11/06/2012	09.09	11/06/2012	19.10	Removing of damaged E/W from Gantry
Vankuswadi-KDPH	11/06/2012	09.10	11/06/2012	18.25	Replacement of Old Disc Insulator
220/33KV 100MVA T/F-I at Jamde	11/06/2012	12.10	11/06/2012	13.15	Hot Spot
Lonikand--512 Khadki	11/06/2012	12.18	11/06/2012	16.35	DCRM of Breaker
Bus Section-III @ Nasik GCR	11/06/2012	13.23	11/06/2012	15.30	Hot Spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Deepnagar-Aurangabad-I	06/06/2012	18.20		Continued.	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 10/Jun/2012

Position as on 6.30 Hrs of 11/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.
Bhusawal- Aurangabad	10/06/2012	16.36	11/06/2012	09.23	Over Voltage.
Karad - Kolhapur - I	10/06/2012	18.06	11/06/2012	09.34	Over Voltage.
Karad-Kolhapur-II	11/06/2012	16.40		Continued.	Over Voltage
Bhusawal- Aurangabad	11/06/2012	17.00		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV 500MVA ICT- I at Khaperkheda	11/06/2012	17.46	11/06/2012	18.39	Tripped on NDR
400/220 KV 500 MVA ICT - II at Khaparkheda	11/06/2012	17.49	11/06/2012	18.44	Tripped on NDR
Voltage Level : 220KV			Outage Type TRIPPED		
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.
Trombay - Tata Tie - I	10/06/2012	17.20	11/06/2012	07.34	Distance Protection.
Mahape-Tifil	10/06/2012	18.26	10/06/2012	19.51	Distance Protection.
Kolhapur-Karad-IV	11/06/2012	05.25	11/06/2012	05.47	Distance Protection.
220/132KV 100MVA ICT-I at Kanhan	11/06/2012	16.24	11/06/2012	18.46	OLTC Buccolz operated
Voltage Level : 132KV			Outage Type TRIPPED		
Chalisgaon-Dhule	10/06/2012	11.40		Continued.	R Phase Breaker Pole Burst(Ckt.charged through TBC)
Chalisgaon - Manmad - I	11/06/2012	17.19	11/06/2012	19.36	Distance Protection
Chalisgaon-Manmad(Pimperkhed)-II	11/06/2012	18.00	11/06/2012	18.26	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 11/Jun/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	150
Unit 7	210	155
	620	435
Bhusawal		
Unit 2	210	165
Unit 3	210	180
Unit 4	500	
Unit 5	500	
	1420	345
Parli		
Unit 3	210	180
Unit 4	210	0
Unit 5	210	150
Unit 6	250	165
Unit 7	250	155
	1130	650
Chandrapur		
Unit 1	210	165
Unit 2	210	165
Unit 3	210	185
Unit 4	210	200
Unit 5	500	450
Unit 6	500	450
Unit 7	500	0
	2340	1615
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	200
Unit 5	210	0
	630	410
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	430
Other CPPs	0	
	1005	1530
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	4255
	3455	4255