



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/May/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 12/May/2013 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	111.705	1366.988	1) Gujrat	12.503	157.634
2) Hydro	10.255	175.538	2) Madhya Pradesh	21.976	242.197
3) Gas	7.443	107.611	3) Chattisgarh	9.250	107.630
Total MSGENCO	129.403	1650.137	4) Maharashtra	70.397	767.668
B) 1) JSW JAIGAD	27.760	319.480	5) Goa	-5.851	-76.124
2) WPCL	7.776	93.177	6) TAPS 1&2 Injection	3.916	45.803
3) ADANI	14.190	170.040	7) RGPPL Injection	0.000	120.578
4) Other CPP / IPP	11.478	120.820	8) Pench (Excess)	-0.033	-1.757
5) Wind Generation	15.570	162.750	# Total Cent. Sector	112.158	1363.629
6) PENCH (MS)	0.033	1.757	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-10.860	-181.794
1) TPCL Thermal	25.609	320.433	G) Bilateral Power *		
2) TPCL Hydro	1.288	42.985	1) MSEDCL Bilateral	44.573	461.753
TOTAL TPCL	26.897	363.418	Include PX	7.858	32.796
3) REL Thermal	12.318	148.421	2) MUMBAI Bilateral	13.688	188.627
D) STATE			Include PX	0.759	51.753
1) Thermal (A1+C1+C3)	149.632	1835.842	3) MUMBAI Schedule	13.688	188.627
2) Hydro (A2+B5+C2)	11.576	220.280	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.443	107.611	1) MSEDCL	307.508	3699.996
4) Wind (B4)	15.570	162.750	2) TPCL	31.954	448.720
5) CPP (B1+B2+B3)	61.204	547.667	3) REL	18.119	244.902
TOTAL STATE	245.425	2874.150	TOTAL STATE	357.581	4393.618

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	4680	4625	4613
MSGENCO Hydro	379	172	460
MSGENCO Gas	308	305	314
MSGENCO Total Generation	5367	5102	5387
Central Sector Receipt	5057	4567	4301
WIND	791	988	589
CPP / IPP	2655	2614	2572
Exchange with Mumbai	-305	-429	-262
MSEDCL DEMAND MET	13565	12842	12587
Load Shedding	531	303	267
MSEDCL DEMAND	14096	13145	12854
TPCL GENERATION	1227	1177	1092
R-INFRA GENERATION	524	524	524
TPCL+R-INFRA DEMAND	2056	2130	1878
STATE DEMAND MET	15621	14972	14465
STATE DEMAND	16152	15275	14732
Frequency (Hz)	50.11	50.40	50.10

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.98 Hz at 17.36 Hrs	49.76 Hz at 22.31 Hrs	50.2	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 12/May/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.10	38.97	140	110	130
Unit 6	1.65	36.85	150	0	150
Unit 7	3.64	43.16	165	135	150
Total	8.39	118.97			430
Bhusawal					
Unit 2	0.00	34.20	0	0	0
Unit 3	4.10	43.81	185	155	175
Unit 4	10.49	99.78	465	335	430
Unit 5	0.00	0.00	0	0	
Total	14.58	177.79			605
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0
Total	0.00	0.00			0
Chandrapur					
Unit 1	3.72	44.82	162	145	165
Unit 2	3.78	39.48	166	144	160
Unit 3	4.63	55.18	201	178	200
Unit 4	3.96	49.41	187	140	180
Unit 5	7.58	120.29	405	205	280
Unit 6	9.24	112.62	405	350	380
Unit 7	7.83	83.81	345	300	325
Total	40.75	505.61			1690
Paras					
Unit 3	4.97	64.46	242	183	210
Unit 4	5.36	62.47	245	186	220
Total	10.32	126.93			430
Khaparkheda					
Unit 1	3.39	35.77	165	115	150
Unit 2	3.20	44.06	160	100	140
Unit 3	3.71	44.80	174	131	150
Unit 4	4.02	48.38	185	133	150
Unit 5	10.05	114.83	465	364	450
Total	24.38	287.85			1040
Nasik					
Unit 3	4.50	49.88	195	180	195
Unit 4	4.25	47.84	183	170	180
Unit 5	4.52	52.11	195	174	195
Total	13.28	149.84			570
Uran					
All Units	7.44	107.61	321	305	300
Total	7.44	107.61			300
PENCH (MS)					
Pench (MS)	0.03	1.76	20	0	
Total	0.03	1.76			
Koyna					
Stage 1-2	3.61	46.82	485	40	600
Stage 4	2.31	63.94	559	0	250
Stage 3	1.26	24.23	238	0	240
Kovna 12&4 Total	5.92	110.77			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	7.18	135.00			1090
Hydro					
KDPH	0.81	7.91	34	33	33
VTRNA	0.89	10.83	61	0	60
TILLARI	0.36	4.06	60	0	60
BHTGR/VEER	0.00	0.36	0	0	0
BHIRA T.R.	0.12	2.41	43	0	58
RNGR+BHTSA	0.27	3.33	12	11	12
BHANDARDRA	0.18	3.18	8	7	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.44	5.97	19	18	
GHATGHAR	0.00	2.49	0	0	
Total	3.08	40.54			223
Wind					
MalharPeth	0.61	6.20			
Vankuswadi	0.72	8.70			
ATIT	0.86	3.60			
Kale	0.38	4.17			
Satara	0.22	9.74			
Shirala	0.41	4.38			
K Mahankal	0.63	9.39			
Supa	0.08	1.37			
Vita	1.28	11.86			
Dondaicha	6.93	71.09			
Sakri	0.98	9.05			
Nandurbar	0.78	7.46			
Khandke	0.79	7.40			
Khaparale	0.90	8.36			
Total	15.57	162.75			
CPP					
JSW JAIGAD	27.76	319.48	1206	933	1100
WARDHA	7.78	93.18	330	316	320
Adani	14.19	170.04	610	430	610
Other CPPs	11.48	120.82			235
Total	61.20	703.52			2265
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.46	134.49	501	287	500
Trombay 6	3.59	60.33	172	147	500
Trombay 7A	2.97	35.41	127	122	120
Trombay 7B	1.62	19.33	68	67	60
Trombay 8	5.97	70.88	253	205	250
TATA Hydro	1.29	42.98	143	0	447
Total	26.90	363.42			1877
REL					
1&2	12.32	148.42	526	398	500
Total	12.32	148.42			500
Cent Sect					
Share					4370
Total					4370

MS PG CL	Thermal	111.70	1366.99			4765
	Thml+Gas	119.15	1474.60			5065
	Hydro	10.26	175.54			1313
	Total	129.40	1650.14			6378
State Total		245.42	2874.15			15390

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/May/2013

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	4776	1273	316	6365	596	2588	4334	4833	-703	-724	13658	164	13822	2319	16141	50.11
2	4698	1156	316	6170	570	2557	4275	4656	-634	-526	13427	204	13631	2143	15774	50.22
3	4662	771	316	5749	631	2581	4195	4668	-547	-398	13231	221	13452	2006	15458	50.21
4	4640	377	315	5332	705	2572	4077	4522	-502	-302	12829	233	13062	1922	14984	50.16
5	4613	460	314	5387	589	2572	3958	4301	-494	-262	12587	267	12854	1878	14732	50.10
6	4572	928	321	5821	494	2569	3955	4291	-494	-278	12897	400	13297	1891	15188	50.17
7	4555	352	316	5223	438	2590	3881	4250	-492	-208	12293	832	13125	1825	14950	50.34
8	4625	153	320	5098	416	2592	3858	4239	-470	-187	12158	820	12978	1803	14781	50.23
9	4678	238	309	5225	511	2612	3847	4370	-461	-243	12475	803	13278	1857	15135	50.27
10	4674	314	306	5294	554	2613	4395	4890	-533	-292	13059	580	13639	1944	15583	50.19
11	4680	379	308	5367	791	2655	4450	5057	-591	-305	13565	531	14096	2056	16152	50.11
12	4640	254	306	5200	687	2630	4600	4985	-594	-351	13151	631	13782	2099	15881	50.14
13	4554	198	307	5059	1009	2679	4409	4730	-595	-363	13114	749	13863	2112	15975	50.16
14	4570	175	305	5050	1050	2668	4209	4525	-594	-357	12936	609	13545	2097	15642	50.25
15	4572	170	305	5047	842	2670	4499	4770	-594	-401	12928	452	13380	2137	15517	50.27
16	4630	177	305	5112	964	2650	4362	5106	-589	-431	13401	363	13764	2155	15919	50.21
17	4625	172	305	5102	988	2614	4191	4567	-589	-429	12842	303	13145	2130	15275	50.40
18	4596	177	306	5079	945	2489	3668	4090	-563	-647	11956	398	12354	2088	14442	50.58
19	4369	185	306	4860	770	2196	3776	4577	-564	-821	11582	240	11822	2050	13872	50.28
20	4784	271	306	5361	699	2236	3890	4899	-578	-708	12487	333	12820	2250	15070	50.13
21	4773	321	306	5400	505	2338	4168	4711	-577	-596	12358	259	12617	2306	14923	50.07
22	4814	208	309	5331	336	2367	3960	5081	-557	-623	12492	170	12662	2315	14977	50.05
23	4830	464	310	5604	329	2586	4339	5172	-660	-671	13033	144	13177	2330	15507	50.02
24	4775	1082	310	6167	151	2580	4087	4868	-715	-737	13049	126	13175	2362	15537	50.07
MUs	111.70	10.26	7.44	129.40	15.57	61.20	99.38	112.16	-13.69	-10.86	307.51	9.83	317.34	50.08	367.42	50.20

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 12/May/2013

Position as on 6.30 Hrs of 13/May/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 4	210	28/11/2012	02.37		Continued.	water shortage.	
Koyna Unit 12	80	29/11/2012	08.30		Continued.	A/OH.	
Cent_Sect Tarapur 2	160	31/12/2012	17.05		Continued.	Refuelling work	
Parli Unit 6	250	25/01/2013	19.49		Continued.	Water Shortage/AOH from 06.03.2013	
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Parli Unit 5	210	14/02/2013	22.45		Continued.	Water Shortage	
Parli Unit 7	250	17/02/2013	01.00		Continued.	Water Shortage.	
Cent_Sect TARAPUR-3	540	30/03/2013	22.30		Continued.	AOH.	
Cent_Sect NTPC(V-4)	210	23/04/2013	00.12		Continued.	AOH.	
Koyna Unit 6	75	12/05/2013	07.10	12/05/2013	15.55	P.M.Work.	
FORCED OUTAGE							
Dabhol 2B	230	03/01/2013	13.29		Continued.	Gas shortage.	
CPP Adani U-2	660	22/04/2013	13.47		Continued.	ID fan problem.	
Bhusawal Unit 5	500	24/04/2013	10.30		Continued.	Bunkering problem.	
Cent_Sect Sipat-4	500	27/04/2013	21.21		Continued.	Coal Shortage.	
Uran Unit 7	108	28/04/2013	22.54		Continued.	Boiler Duct Renovation.	
Dabhol 1B	230	03/05/2013	18.05		Continued.	Gas Shortage	
Dabhol 3B	230	03/05/2013	18.05		Continued.	Gas Shortage	
Dabhol 1X	290	05/05/2013	09.41		Continued.	Gas Shortage.	
Dabhol 1A	230	05/05/2013	09.42		Continued.	Gas Shortage.	
Uran Unit B0	120	07/05/2013	00.06		Continued.	C T & P T Replacement Work. Upto 18.5.13.	
Uran Unit 8	108	07/05/2013	00.15		Continued.	Turbine Blade & Mixing Chamber Work Upto 18.5.13.	
Dabhol 3A	230	07/05/2013	15.40		Continued.	Gas shortage.	
Dabhol 3X	290	07/05/2013	15.42		Continued.	Gas shortage.	
Dabhol 2X	290	11/05/2013	04.28		Continued.	Gas Shortage	
Dabhol 2A	230	11/05/2013	04.30		Continued.	Gas Shortage	
CPP WPCL U-3	135	11/05/2013	11.25		Continued.	Maintenance Problem.	
Bhusawal Unit 2	210	11/05/2013	14.40		Continued.	132KV Bus Bar Prot.operated	
Koyna Unit 11	80	11/05/2013	21.10	12/05/2013	04.30	Trashrack work of U-12	
Koradi Unit 6	210	12/05/2013	11.34		Continued.	I D Fan Problem.	
Koradi Unit 5	200	13/05/2013	05.58		Continued.	Boiler Tube Leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/May/2013

Position as on 6.30 Hrs of 13/May/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Boiser	13/04/2013	10.33		Continued.	Mumbai Stengthening Work & Now Line Tarapur-Ghodbunder.(one month)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Seoni - I	29/04/2013	17.18		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	07/05/2013	16.50		Continued.	Over Voltage.
Kolhapur - Mapusa - II	11/05/2013	16.48	12/05/2013	09.15	Over Voltage
Dhule - S'Sarovar- II	11/05/2013	17.45		Continued.	Over Voltage
Kolhapur - Mapusa - II	12/05/2013	16.10		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Parli-Parli (PGCIL)-II	12/05/2013	17.50	12/05/2013	21.01	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50MVAR Line Reactor on Bhusawal- Akola at BSL End	04/05/2013	12.05		Continued.	Overhauling of Line Reactor upto 21-5-2013
Dabhol - New Koyna - I	11/05/2013	10.53		Continued.	Repl.of Flashover Insulator, ready for charing 17.16Hrs
New Koyna-Jaigad II	11/05/2013	14.34	12/05/2013	17.21	Sparking on B phase Isolator(Taken on TBC)
400/220 KV 600 MVA ICT-II @ Kalwa	12/05/2013	07.00	12/05/2013	12.39	Replacement of R Ph. L A.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbandar - Bhoisor (MSETCL)	13/04/2013	10.09		Continued.	Mumbai Strengthening Work.
New Parly-Nanded-II	11/05/2013	08.03		Continued.	Rectification of punch point
Kalwa - Salshet - IV	12/05/2013	07.32	12/05/2013	14.13	Replacement of R Ph.L A,Bay Maint.,C T Tandelta.
Pawas-Kharepatan	12/05/2013	15.30	12/05/2013	17.56	To Attend Flashover Insulator String.
New Parly-Nanded-II	12/05/2013	19.52	12/05/2013	21.13	Attending Corona Like Flame Across Jumper & TBC.
Voltage Level : 110KV			Outage Type PLANNED OUTAGE		
Borivali(T)-Borivali(M)-II	12/05/2013	14.46	12/05/2013	18.25	Line Maintenance Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
400/220 KV 105 MVA Spare ICT Unit @ Bhusawal - II	02/02/2013	10.17		Continued.	Low Oil Pressure Alarm Received.
400/220KV 500MVA ICT-II at Warora	07/02/2013	17.57		Continued.	Hand Tripped.
Bhusawal - Deepnagar - I	05/04/2013	09.26		Continued.	Over Voltage.
Bhusawal- Aurangabad	11/05/2013	12.37		Continued.	Over Voltage
Karad - Kolhapur - I	12/05/2013	16.23	13/05/2013	07.05	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	12/04/2013	17.57		Continued.	To Control Over Loading of 220KV Paras-Chikhali.
Pusad-Nanded	12/05/2013	08.00	12/05/2013	08.26	To Control Wardha-Yeotmal Ckt L/L.
Voltage Level : 400KV			Outage Type TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/May/2013

Position as on 6.30 Hrs of 13/May/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated Declared Faulty by Genco.
Warora- Tirora -II	25/04/2013	16.53		Continued.	Distance protection.
Voltage Level : 220KV			Outage Type TRIPPED		
Usmanabad-Paranda	25/04/2013	16.36		Continued.	Distance protection(4 Nos of Tower Collapsed)
Paranda-Barshi	25/04/2013	17.39		Continued.	Distance protection(Ckt Under Breakdown)
Tarapur - Ghodbundar	12/05/2013	01.17	12/05/2013	13.22	Distance protection
Bhugaon-Pusad	12/05/2013	07.57	12/05/2013	08.12	Distance Protection.
Pusad - Bhugaon	12/05/2013	07.57	12/05/2013	08.12	Distance Protection Operated Z-I B Ph.
Voltage Level : 132KV			Outage Type TRIPPED		
Pusad - Digras	12/05/2013	05.57	12/05/2013	08.22	Load Trimming Scheme Opted Due to Tripping of 220KV Pusud-Bhugaon Ckt
Pusad-Jambazar	12/05/2013	07.57	12/05/2013	08.18	Load Trimming Scheme Opted Due to Tripping of 220KV Pusud-Bhugaon Ckt.
Pusad-Umarkhed	12/05/2013	07.57	12/05/2013	08.20	Load Trimming Scheme Opted Due to Tripping of 220KV Pusud-Bhugaon Ckt
Pusad - Gunj	12/05/2013	07.57	12/05/2013	08.19	Load Trimming Scheme Opted Due to Tripping of 220KV Pusud-Bhugaon Ckt

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/May/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	145
	620	145
Bhusawal		
Unit 2	210	0
Unit 3	210	150
Unit 4	500	400
Unit 5	500	
	1420	550
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	0
	1130	0
Chandrapur		
Unit 1	210	165
Unit 2	210	165
Unit 3	210	200
Unit 4	210	200
Unit 5	500	425
Unit 6	500	400
Unit 7	500	330
	2340	1885
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	190
Unit 2	210	180
Unit 3	210	190
Unit 4	210	190
Unit 5	500	425
	1340	1175
Nasik		
Unit 3	210	190
Unit 4	210	180
Unit 5	210	195
	630	565
Uran		
All Units	852	300
	852	300
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	33
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	43
RNGR+BHTSA	20	12
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	217
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	1200	1096
WARDHA	405	320
Adani	1320	610
Other CPPs	300	231
	3225	2257
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	4449
	3455	4449