



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

State Load Dispatch Center, Airoli

Daily system Report

for

05/Nov/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 05/Nov/2013 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	110.612	516.991	1) Gujrat	16.931	71.571
2) Hydro	3.285	46.274	2) Madhya Pradesh	13.783	94.546
3) Gas	10.797	55.734	3) Chattisgarh	9.850	54.700
Total MSGENCO	124.694	618.999	4) Maharashtra	64.940	369.671
B) 1) JSW JAIGAD	17.607	91.248	5) Goa	-5.922	-26.551
2) WPCL	5.488	25.933	6) TAPS 1&2 Injection	7.481	37.533
3) ADANI	27.860	142.110	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	8.694	38.855	8) Pench (Excess)	-0.293	-1.622
5) Wind Generation	7.463	20.349	# Total Cent. Sector	106.770	599.848
6) PENCH (MS)	0.293	1.622	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-20.341	-94.297
1) TPCL Thermal	17.244	95.595	G) Bilateral Power *		
2) TPCL Hydro	2.683	13.643	1) MSEDCL Bilateral	27.121	162.004
TOTAL TPCL	19.927	109.238	Include PX	0.000	21.981
3) REL Thermal	11.402	57.890	2) MUMBAI Bilateral	16.441	84.316
D) STATE			Include PX	5.359	28.193
1) Thermal (A1+C1+C3)	139.258	670.476	3) MUMBAI Schedule	16.441	84.768
2) Hydro (A2+B5+C2)	6.261	61.539	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.797	55.734	1) MSEDCL	278.528	1444.667
4) Wind (B4)	7.463	20.349	2) TPCL	33.245	168.782
5) CPP (B1+B2+B3)	59.649	183.896	3) REL	18.121	92.378
TOTAL STATE	223.428	991.994	TOTAL STATE	329.894	1705.827

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4879	4482	4398
MSGENCO Hydro	129	86	93
MSGENCO Gas	429	435	480
MSGENCO Total Generation	5437	5003	4971
Central Sector Receipt	4892	5017	3543
WIND	420	216	450
CPP / IPP	2753	2458	2231
Exchange with Mumbai	-1001	-960	-687
MSEDCL DEMAND MET	12525	11746	10508
Load Shedding	60	61	54
MSEDCL DEMAND	12585	11807	10562
TPCL GENERATION	814	1052	653
R-INFRA GENERATION	524	464	401
TPCL+R-INFRA DEMAND	2339	2476	1741
STATE DEMAND MET	14864	14222	12249
STATE DEMAND	14924	14283	12303
Frequency (Hz)	50.09	50.11	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.48 Hz at 06:00 Hrs	49.74 Hz at 05:26 Hrs	50.05	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/Nov/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.28	15.60	150	115	150
Unit 6	3.12	9.83	153	95	120
Unit 7	3.48	16.44	160	125	140
Total	9.88	41.87			410
Bhusawal					
Unit 2	3.50	17.96	155	135	150
Unit 3	3.42	18.00	160	125	140
Unit 4	5.74	30.66	270	205	237
Unit 5	0.00	0.00	0	0	0
Total	12.66	66.62			527
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.64	16.77	178	130	158
Unit 5	3.73	17.58	163	143	145
Unit 6	2.37	17.43	166	0	155
Unit 7	3.90	18.87	222	146	150
Total	13.63	70.65			608
Chandrapur					
Unit 1	0.00	5.30	0	0	0
Unit 2	3.09	12.79	152	108	140
Unit 3	3.27	13.87	156	117	160
Unit 4	3.81	15.06	185	146	180
Unit 5	0.00	0.00	0	0	0
Unit 6	9.53	47.16	440	360	425
Unit 7	8.43	40.73	407	297	400
Total	28.13	134.92			1305
Paras					
Unit 3	4.45	20.47	234	92	100
Unit 4	5.41	23.97	248	196	250
Total	9.86	44.44			350
Khaparkheda					
Unit 1	3.22	6.16	160	100	160
Unit 2	3.12	16.16	150	105	160
Unit 3	3.23	17.73	175	113	190
Unit 4	4.46	22.51	203	149	190
Unit 5	10.17	44.58	487	360	400
Total	24.19	107.14			1100
Nasik					
Unit 3	4.14	20.72	175	165	190
Unit 4	4.01	9.40	174	163	190
Unit 5	4.11	21.22	176	166	190
Total	12.26	51.35			570
Uran					
All Units	10.80	55.73	485	423	470
Total	10.80	55.73			470
PENCH (MS)					
Pench (MS)	0.29	1.62	50	0	0
Total	0.29	1.62			0
Koyna					
Stage 1-2	1.08	11.02	75	40	600
Stage 4	0.17	18.87	170	0	250
Stage 3	0.00	6.99	0	0	320
Kovna 12&4 Total	1.25	29.88			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.25	36.87			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.17	0	0	0
TILLARI	0.18	0.92	60	0	60
BHTGR/VEER	0.00	0.00	0	0	5
BHIRA T.R.	0.15	1.01	41	0	40
RNGR+BHTSA	0.40	1.96	17	16	5
BHANDARDRA	0.00	0.00	0	0	5
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.73	3.29	31	30	2
GHATGHAR	0.56	2.05	225	0	0
Total	2.04	9.40			117
Wind					
MalharPeth	0.34	1.65			
Vankuswadi	0.78	2.09			
ATIT	0.06	1.22			
Kale	0.28	0.74			
Satara	2.89	5.57			
Shirala	0.28	0.69			
K Mahankal	0.02	1.24			
Supa	0.09	0.36			
Vita	1.08	2.56			
Dondaicha	0.75	1.44			
Sakri	0.09	0.16			
Nandurbar	0.08	0.13			
Khandke	0.41	1.49			
Khaparale	0.33	1.00			
Total	7.46	20.35			
CPP					
JSW JAIGAD	17.61	91.25	835	642	755
WARDHA	5.49	25.93	240	211	235
Adani	27.86	142.11	1230	1040	1234
Other CPPs	8.69	38.86			245
Total	59.65	298.15			2469
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	8.20	48.24	474	314	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.42	12.44	115	91	120
Trombay 7B	1.50	7.64	67	59	60
Trombay 8	5.12	27.28	251	186	250
TATA Hydro	2.68	13.64	364	0	447
Total	19.93	109.24			1377
REL					
1&2	11.40	57.89	525	399	500
Total	11.40	57.89			500
Cent Sect					
Share					4880
Total					4880

MS PG CL	Thermal	110.61	516.99			4870
	Thml+Gas	121.41	572.72			5340
	Hydro	3.28	46.27			1287
	Total	124.69	619.00			6627
State Total		223.43	991.99			15853

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/Nov/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	4470	88	478	5036	269	2360	4045	3935	-769	-1018	10582	85	10667	2079	12746	50.04
2	4452	88	479	5019	309	2372	3802	3612	-608	-852	10460	54	10514	1907	12421	50.03
3	4415	98	479	4992	378	2315	3714	3581	-521	-756	10510	54	10564	1811	12375	50.02
4	4398	93	480	4971	450	2231	3651	3543	-458	-687	10508	54	10562	1741	12303	50.02
5	4429	88	482	4999	504	2248	3769	3867	-459	-659	10959	54	11013	1711	12724	50.02
6	4568	93	482	5143	509	2342	4167	4243	-477	-542	11695	56	11751	1769	13520	49.94
7	4704	88	484	5276	539	2399	4213	4353	-489	-786	11791	57	11848	2095	13943	50.05
8	4783	304	485	5572	420	2542	4234	4172	-485	-392	12337	57	12394	1837	14231	49.92
9	4870	373	474	5717	386	2582	4297	4154	-521	-428	12457	56	12513	1995	14508	49.92
10	4946	393	470	5809	381	2620	4452	4276	-601	-566	12570	54	12624	2182	14806	50.01
11	4870	196	431	5497	435	2758	4846	4597	-926	-894	12443	54	12497	2313	14810	50.08
12	4879	129	429	5437	420	2753	4890	4892	-926	-1001	12525	60	12585	2339	14924	50.09
13	4874	113	428	5415	306	2714	4847	4919	-894	-1017	12338	118	12456	2352	14808	50.12
14	4881	88	427	5396	236	2708	4773	5167	-856	-975	12532	64	12596	2289	14885	50.14
15	4739	87	427	5253	186	2688	4633	5404	-822	-1012	12519	58	12577	2295	14872	50.13
16	4631	91	432	5154	154	2672	4631	5514	-821	-906	12588	59	12647	2288	14935	50.05
17	4512	86	432	5030	152	2609	4633	4942	-790	-906	11827	60	11887	2252	14139	50.11
18	4420	86	432	4938	194	2353	4721	4501	-790	-1047	10972	59	11031	2234	13265	50.08
19	4446	101	435	4982	217	2294	4802	5216	-883	-1040	11692	60	11752	2425	14177	50.03
20	4482	86	435	5003	216	2458	4803	5017	-778	-960	11746	61	11807	2476	14283	50.11
21	4465	143	424	5032	168	2538	4324	4511	-734	-979	11284	61	11345	2483	13828	50.05
22	4481	191	424	5096	196	2523	4184	3893	-692	-976	10739	60	10799	2382	13181	50.14
23	4468	86	423	4977	219	2291	4040	4212	-585	-1012	10687	58	10745	2259	13004	50.10
24	4429	96	425	4950	219	2279	3864	4249	-557	-930	10767	58	10825	2156	12981	49.99
MUs	110.61	3.28	10.80	124.69	7.46	59.65	104.34	106.77	-16.44	-20.34	278.53	1.47	280.00	51.67	331.67	50.05

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/Nov/2013

Position as on 6.30 Hrs of 06/Nov/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Chandrapur Unit 5	500	14/07/2013	00.01		Continued.	Annual Overhaul	
CPP WPCL U-2	135	16/10/2013	05.15	05/11/2013	17.13	Maint.Work.	
FORCED OUTAGE							
Dabhol 3B	230	28/05/2013	21.58		Continued.	Gas shortage.	
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 3X	290	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Tata Trombay 6	500	19/07/2013	23.54		Continued.	Economic shut down.	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
CPP VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	05/11/2013
Uran Unit 5	108	05/10/2013	07.26		Continued.	Gas Shortage	
Bhusawal Unit 5	500	18/10/2013	15.16		Continued.	ESP Problem.	
CPP JSW (J) U2	300	21/10/2013	00.00		Continued.	Lack of Shedule.	
CPP Adani U-3	660	30/10/2013	14.25		Continued.	R Phase HV Bushing of GT3 Burst	
Chandrapur Unit 1	210	03/11/2013	12.12		Continued.	poor bunkering problem	
CPP WPCL U-1	135	03/11/2013	6.24		Continued.	ID FAN PROBLEM	
CPP Abhijeet	62	05/11/2013	11.53		Continued.	Turbine Tripped.	
Parli Unit 6	250	05/11/2013	15.29		Continued.	CHP Problem.	
Parli Unit 7	250	06/11/2013	06.39		Continued.	CHP Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Nov/2013

Position as on 6.30 Hrs of 06/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Mapusa-II	30/10/2013	21.27		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	03/11/2013	00.46	05/11/2013	09.33	Over Voltage
Lamboti - Solapur (PGCIL)	04/11/2013	16.38	05/11/2013	06.24	Over Voltage.
Solapur-Solapur(PGCIL)	05/11/2013	16.20	06/11/2013	06.30	Over Voltage.
Dhule-Sar'Sarovar - I	06/11/2013	02.02		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur-Solapur (PG) II	02/11/2013	16.32		Continued.	over voltage
Karad - Solapur (PGCIL)	05/11/2013	17.30		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Reactor on 400 KV Bhusawal - II	30/09/2013	12.55		Continued.	Complete Overhauling and testing work.(For 17 days.)
TBC @ Kharghar	23/10/2013	10.30		Continued.	Isolator work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
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
Dabhol-Nagothane - II	28/09/2013	21.34		Continued.	Over Voltage.
Deepnagar-Aurangabad-I	25/10/2013	17.37		Continued.	Hand tripped for Over Voltage
Karad - Kolhapur - II	30/10/2013	18.21		Continued.	Over Voltage
Bhusawal- Aurangabad	01/11/2013	18.07		Continued.	Over Voltage
Lonikand- Koyna Stage IV	04/11/2013	22.06	05/11/2013	09.16	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Bhusawal - Deepnagar - II	26/10/2013	18.50		Continued.	over voltage
Karad-Jaigad I	31/10/2013	20.08		Continued.	Over Voltage
Dabhol - Nagothane - I	02/11/2013	21.32	05/11/2013	08.43	over voltage
Karad - Kolhapur - I	03/11/2013	16.11	05/11/2013	09.24	Over Voltage.
Dabhol - New Koyna - I	04/11/2013	16.30		Continued.	Over Voltage.
Dabhol - New Koyna - I	05/11/2013	16.30		Continued.	Over Voltage.
Dabhol - Nagothane - I	05/11/2013	17.30		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
Miraj -Ichalkarajni	26/09/2013	22.00		Continued.	Over Load
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
Kandalgaon - ONGC	05/11/2013	13.35	05/11/2013	17.40	Distance Protection.
Hingoli-Parbhani	06/11/2013	02.08	06/11/2013	02.18	Distance Protection.
Hingoli-Pusad	06/11/2013	02.08		Continued.	Distance Protection, Conductor Broken.
Voltage Level : 132KV			Outage Type TRIPPED		
Pathardi-Raimoha	05/11/2013	08.34	05/11/2013	09.22	Distance Protection Operated Zone-I.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 06/Nov/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	130
Unit 7	210	150
	620	410
Bhusawal		
Unit 2	210	150
Unit 3	210	140
Unit 4	500	269
Unit 5	500	0
	1420	559
Parli		
Unit 3	210	0
Unit 4	210	155
Unit 5	210	165
Unit 6	250	0
Unit 7	250	210
	1130	530
Chandrapur		
Unit 1	210	0
Unit 2	210	140
Unit 3	210	160
Unit 4	210	180
Unit 5	500	0
Unit 6	500	425
Unit 7	500	400
	2340	1305
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	170
Unit 4	210	200
Unit 5	500	400
	1340	1090
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	470
	852	470
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	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	4
BHANDARDRA	45	4
ELDARY	23	
SMLHY PTN	12	4
GHATGHAR	250	
	611	116
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	755
WARDHA	405	235
Adani	1320	1234
Other CPPs	300	245
	3225	2469
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5094
	3455	5094

	20620	16160
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