



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Nov/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/Nov/2013 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	108.046	406.379	1) Gujrat	15.098	54.640
2) Hydro	3.850	42.989	2) Madhya Pradesh	17.314	80.763
3) Gas	11.368	44.937	3) Chattisgarh	9.500	44.850
Total MSGENCO	123.264	494.305	4) Maharashtra	63.591	304.731
B) 1) JSW JAIGAD	17.568	73.641	5) Goa	-5.349	-20.629
2) WPCL	5.603	20.445	6) TAPS 1&2 Injection	7.495	30.052
3) ADANI	27.690	114.250	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	8.517	30.161	8) Pench (Excess)	-0.269	-1.329
5) Wind Generation	4.162	12.886	# Total Cent. Sector	107.380	493.078
6) PENCH (MS)	0.269	1.329	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-19.543	-73.956
1) TPCL Thermal	17.719	78.351	G) Bilateral Power *		
2) TPCL Hydro	1.252	10.960	1) MSEDCL Bilateral	27.251	134.883
TOTAL TPCL	18.971	89.311	Include PX	0.000	21.981
3) REL Thermal	11.020	46.488	2) MUMBAI Bilateral	16.270	67.876
D) STATE			Include PX	4.178	22.834
1) Thermal (A1+C1+C3)	136.785	531.218	3) MUMBAI Schedule	16.430	68.327
2) Hydro (A2+B5+C2)	5.371	55.278	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.368	44.937	1) MSEDCL	274.910	1166.139
4) Wind (B4)	4.162	12.886	2) TPCL	31.959	135.537
5) CPP (B1+B2+B3)	59.378	151.937	3) REL	17.608	74.257
TOTAL STATE	217.064	796.256	TOTAL STATE	324.477	1375.933

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	4653	4571	4293
MSGENCO Hydro	98	223	102
MSGENCO Gas	457	468	493
MSGENCO Total Generation	5208	5262	4888
Central Sector Receipt	4895	4598	3938
WIND	253	132	170
CPP / IPP	2794	2519	2078
Exchange with Mumbai	-807	-747	-691
MSEDCL DEMAND MET	12366	11776	10383
Load Shedding	32	58	26
MSEDCL DEMAND	12398	11834	10409
TPCL GENERATION	845	1117	647
R-INFRA GENERATION	523	523	397
TPCL+R-INFRA DEMAND	2175	2387	1735
STATE DEMAND MET	14541	14163	12118
STATE DEMAND	14573	14221	12144
Frequency (Hz)	50.21	50.07	50.16

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.42 Hz at 11.27 Hrs	49.57 Hz at 17.51 Hrs	50.1	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 04/Nov/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.90	12.32	134	100	110
Unit 6	2.51	6.71	136	85	110
Unit 7	3.17	12.96	150	120	140
Total	8.58	31.99			360
Bhusawal					
Unit 2	3.63	14.46	160	130	150
Unit 3	3.76	14.58	175	130	150
Unit 4	5.26	24.92	240	200	237
Unit 5	0.00	0.00	0	0	
Total	12.66	53.96			537
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.51	13.13	172	129	140
Unit 5	3.51	13.85	160	135	140
Unit 6	3.72	15.06	163	147	155
Unit 7	3.74	14.98	161	144	145
Total	14.49	57.02			580
Chandrapur					
Unit 1	0.00	5.30	0	0	0
Unit 2	3.21	9.70	144	110	125
Unit 3	3.35	10.60	155	121	180
Unit 4	3.55	11.25	170	120	180
Unit 5	0.00	0.00	0	0	0
Unit 6	9.45	37.63	430	350	425
Unit 7	8.75	32.30	413	289	400
Total	28.31	106.80			1310
Paras					
Unit 3	4.36	16.02	240	81	100
Unit 4	4.79	18.56	239	152	200
Total	9.15	34.58			300
Khaparkheda					
Unit 1	2.30	2.95	115	75	75
Unit 2	3.06	13.04	145	110	105
Unit 3	3.68	14.50	164	130	130
Unit 4	4.65	18.05	205	176	190
Unit 5	9.13	34.40	430	350	360
Total	22.82	82.95			860
Nasik					
Unit 3	4.03	16.58	175	155	190
Unit 4	3.92	5.39	176	150	190
Unit 5	4.10	17.12	180	164	190
Total	12.05	39.09			570
Uran					
All Units	11.37	44.94	494	450	470
Total	11.37	44.94			470
PENCH (MS)					
Pench (MS)	0.27	1.33	27	0	
Total	0.27	1.33			
Koyna					
Stage 1-2	1.22	9.94	160	40	600
Stage 4	0.00	18.70	0	0	250
Stage 3	0.48	6.99	138	0	320
Kovna 12&4 Total	1.22	28.63			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.70	35.62			1170
Hydro					
KDPH	0.00	0.00	0	0	
VTRNA	0.00	0.17	0	0	
TILLARI	0.19	0.74	60	0	60
BHTGR/VEER	0.00	0.00	0	0	
BHIRA T.R.	0.00	0.86	0	0	40
RNGR+BHTSA	0.39	1.56	17	16	
BHANDARDRA	0.00	0.00	0	0	
ELDARY	0.00	0.00	0	0	
SMLHY PTN	0.86	2.55	36	36	17
GHATGHAR	0.70	1.49	250	0	
Total	2.14	7.37			117
Wind					
MalharPeth	0.55	1.31			
Vankuswadi	0.50	1.31			
ATIT	0.16	1.17			
Kale	0.20	0.46			
Satara	0.31	2.68			
Shirala	0.18	0.41			
K Mahankal	0.68	1.22			
Supa	0.05	0.27			
Vita	0.56	1.48			
Dondaicha	0.32	0.69			
Sakri	0.03	0.08			
Nandurbar	0.03	0.05			
Khandke	0.27	1.08			
Khaparale	0.32	0.68			
Total	4.16	12.89			
CPP					
JSW JAIGAD	17.57	73.64	830	637	750
WARDHA	5.60	20.44	237	230	235
Adani	27.69	114.25	1220	920	1234
Other CPPs	8.52	30.16			245
Total	59.38	238.50			2464
Tata					
Trombay 4	0.00	0.00	0	0	
Trombay 5	8.55	40.03	493	315	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.47	10.02	115	89	120
Trombay 7B	1.52	6.14	68	58	60
Trombay 8	5.18	22.16	250	183	250
TATA Hydro	1.25	10.96	240	0	447
Total	18.97	89.31			1377
REL					
1&2	11.02	46.49	524	397	500
Total	11.02	46.49			500
Cent Sect					
Share					5004
Total					5004

MS PG CL	Thermal	108.05	406.38			4517
	Thml+Gas	119.41	451.32			4987
	Hydro	3.85	42.99			1287
	Total	123.26	494.30			6274
State Total		217.06	796.26			15619

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/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	4489	97	493	5079	166	2196	4039	4022	-718	-1054	10409	68	10477	2144	12621	50.02
2	4459	92	493	5044	180	2131	3736	3946	-575	-876	10425	26	10451	1939	12390	50.05
3	4396	97	493	4986	171	2082	3679	3971	-520	-781	10429	26	10455	1835	12290	50.22
4	4293	102	493	4888	170	2078	3660	3938	-502	-691	10383	26	10409	1735	12144	50.16
5	4280	92	494	4866	173	2201	3660	4066	-502	-648	10658	26	10684	1715	12399	50.01
6	4354	97	493	4944	158	2440	4026	4195	-519	-573	11164	28	11192	1782	12974	50.01
7	4471	102	493	5066	193	2508	4246	4464	-547	-553	11678	29	11707	1809	13516	50.08
8	4443	188	483	5114	206	2551	4176	4789	-481	-447	12213	34	12247	1805	14052	50.07
9	4545	408	471	5424	178	2547	4172	4316	-521	-444	12028	33	12061	1876	13937	50.06
10	4598	242	464	5304	252	2590	4279	4580	-663	-626	12123	26	12149	2000	14149	50.10
11	4588	152	457	5197	290	2684	4461	4633	-837	-769	12058	26	12084	2135	14219	50.12
12	4653	98	457	5208	253	2794	4457	4895	-846	-807	12366	32	12398	2175	14573	50.21
13	4636	103	450	5189	237	2708	4463	5028	-849	-852	12322	87	12409	2171	14580	50.14
14	4502	93	450	5045	159	2614	4395	5324	-849	-1027	12135	61	12196	2136	14332	50.22
15	4533	232	454	5219	140	2661	4367	5223	-821	-1031	12224	55	12279	2132	14411	50.22
16	4489	449	456	5394	115	2652	4284	5082	-803	-1032	12234	56	12290	2124	14414	50.13
17	4523	292	466	5281	143	2650	4227	4631	-773	-993	11738	57	11795	2085	13880	50.10
18	4596	92	464	5152	153	2501	4188	4263	-728	-978	11118	56	11174	2067	13241	49.96
19	4672	190	465	5327	120	2538	4363	4610	-884	-829	11778	57	11835	2280	14115	50.12
20	4571	223	468	5262	132	2519	4497	4598	-808	-747	11776	58	11834	2387	14221	50.07
21	4562	108	474	5144	135	2529	4463	4537	-767	-816	11541	58	11599	2378	13977	50.09
22	4521	102	476	5099	121	2512	4465	4030	-732	-844	10931	57	10988	2360	13348	50.12
23	4416	97	478	4991	132	2335	4332	4089	-619	-1067	10492	55	10547	2283	12830	50.05
24	4456	102	483	5041	185	2357	4165	4150	-563	-1058	10687	55	10742	2181	12923	50.11
MUs	108.05	3.85	11.37	123.26	4.16	59.38	100.80	107.38	-16.43	-19.54	274.91	1.09	276.00	49.53	325.54	50.10

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 04/Nov/2013

Position as on 6.30 Hrs of 05/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.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Nov/2013

Position as on 6.30 Hrs of 05/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.
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur-Solapur (PG) II	02/11/2013	16.32		Continued.	over voltage
Karad - Solapur (PGCIL)	03/11/2013	16.37	04/11/2013	8.13	Over Voltage.
Dabhol - NewKoyana - II	03/11/2013	21.52	04/11/2013	07.07	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
Chandrapur - Parli - II	03/11/2013	21.52	04/11/2013	6.15	Over Voltage.
Lonikand- Koyana Stage IV	03/11/2013	21.55	04/11/2013	08.49	Over Voltage.
Lonikand- Koyana 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
Dabhol - New Koyana - I	03/11/2013	16.02	04/11/2013	09.30	Over Voltage.
Karad - Kolhapur - I	03/11/2013	16.11	05/11/2013	09.24	Over Voltage.
Dabhol - New Koyana - I	04/11/2013	16.30		Continued.	Over Voltage.
Dabhol - New Koyana - 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.
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 05/Nov/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	150
Unit 6	210	120
Unit 7	210	140
	620	410
Bhusawal		
Unit 2	210	150
Unit 3	210	140
Unit 4	500	237
Unit 5	500	0
	1420	527
Parli		
Unit 3	210	0
Unit 4	210	158
Unit 5	210	145
Unit 6	250	155
Unit 7	250	150
	1130	608
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	100
Unit 4	250	250
	500	350
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	190
Unit 4	210	190
Unit 5	500	400
	1340	1100
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	0
	53	0
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	5
BHIRA T.R.	80	40
RNGR+BHTSA	20	5
BHANDARDRA	45	5
ELDARY	23	0
SMLHY PTN	12	2
GHATGHAR	250	0
	611	117
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	4880
	3455	4880

	20620	15853
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