



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

State Load Dispatch Center, Airoli

Daily system Report

for

06/Nov/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 06/Nov/2013 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	104.115	621.106	1) Gujrat	13.187	84.758
2) Hydro	9.762	56.036	2) Madhya Pradesh	13.429	107.975
3) Gas	9.827	65.561	3) Chattisgarh	11.200	65.900
Total MSGENCO	123.704	742.703	4) Maharashtra	76.404	446.075
B) 1) JSW JAIGAD	18.049	109.297	5) Goa	-5.614	-32.165
2) WPCL	5.215	31.148	6) TAPS 1&2 Injection	7.460	44.993
3) ADANI	33.430	175.540	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	8.197	47.052	8) Pench (Excess)	-0.353	-1.975
5) Wind Generation	3.202	23.551	# Total Cent. Sector	115.713	715.561
6) PENCH (MS)	0.353	1.975	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-20.798	-115.095
1) TPCL Thermal	18.734	114.329	G) Bilateral Power *		
2) TPCL Hydro	4.935	18.578	1) MSEDCL Bilateral	25.965	187.969
TOTAL TPCL	23.669	132.907	Include PX	0.000	21.981
3) REL Thermal	11.558	69.448	2) MUMBAI Bilateral	19.045	103.362
D) STATE			Include PX	8.247	36.439
1) Thermal (A1+C1+C3)	134.407	804.883	3) MUMBAI Schedule	19.045	103.813
2) Hydro (A2+B5+C2)	15.050	76.589	H) ENERGY CATERED (MUs)		
3) Gas (A3)	9.827	65.561	1) MSEDCL	287.065	1731.732
4) Wind (B4)	3.202	23.551	2) TPCL	36.438	205.220
5) CPP (B1+B2+B3)	64.891	220.927	3) REL	19.587	111.965
TOTAL STATE	227.377	1191.511	TOTAL STATE	343.090	2048.917

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4297	4241	4362
MSGENCO Hydro	1103	885	82
MSGENCO Gas	410	408	420
MSGENCO Total Generation	5810	5534	4864
Central Sector Receipt	5487	4928	3933
WIND	130	101	87
CPP / IPP	2698	3023	2331
Exchange with Mumbai	-950	-998	-630
MSEDCL DEMAND MET	13185	12621	10585
Load Shedding	437	268	132
MSEDCL DEMAND	13622	12889	10717
TPCL GENERATION	1320	1181	681
R-INFRA GENERATION	524	524	401
TPCL+R-INFRA DEMAND	2794	2703	1712
STATE DEMAND MET	15979	15324	12297
STATE DEMAND	16416	15592	12429
Frequency (Hz)	50.01	49.96	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.36 Hz at 14:02 Hrs	49.68 Hz at 07:00 Hrs	50	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 06/Nov/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.16	18.76	140	120	130
Unit 6	3.04	12.87	140	105	130
Unit 7	3.40	19.84	160	130	150
Total	9.60	51.46			410
Bhusawal					
Unit 2	3.74	21.70	170	150	150
Unit 3	3.66	21.66	175	140	140
Unit 4	6.14	36.80	295	205	269
Unit 5	0.00	0.00	0	0	0
Total	13.54	80.16			559
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.70	20.47	175	137	155
Unit 5	3.73	21.31	169	143	165
Unit 6	0.00	17.43	0	0	0
Unit 7	1.48	20.35	239	0	210
Total	8.91	79.56			530
Chandrapur					
Unit 1	0.10	5.40	30	0	0
Unit 2	3.10	15.89	136	124	140
Unit 3	3.32	17.19	159	128	160
Unit 4	3.75	18.81	173	141	180
Unit 5	0.00	0.00	0	0	0
Unit 6	9.05	56.22	410	330	425
Unit 7	8.78	49.51	394	322	400
Total	28.10	163.02			1305
Paras					
Unit 3	4.14	24.61	215	136	250
Unit 4	5.28	29.25	246	148	250
Total	9.42	53.86			500
Khaparkheda					
Unit 1	2.28	8.44	150	45	160
Unit 2	2.91	19.07	155	56	160
Unit 3	3.42	21.15	174	100	170
Unit 4	4.27	26.78	205	151	200
Unit 5	8.82	53.40	410	317	400
Total	21.70	128.84			1090
Nasik					
Unit 3	4.27	24.99	195	165	190
Unit 4	4.29	13.70	195	164	190
Unit 5	4.29	25.51	193	169	190
Total	12.85	64.20			570
Uran					
All Units	9.83	65.56	445	281	470
Total	9.83	65.56			470
PENCH (MS)					
Pench (MS)	0.35	1.98	47	0	0
Total	0.35	1.98			0
Koyna					
Stage 1-2	2.77	13.78	430	40	600
Stage 4	3.40	22.26	584	0	250
Stage 3	1.32	8.31	160	0	320
Kovna 12&4 Total	6.17	36.05			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	7.48	44.35			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.17	0	0	0
TILLARI	0.18	1.10	60	0	60
BHTGR/VEER	0.00	0.00	0	0	4
BHIRA T.R.	0.20	1.21	41	0	40
RNGR+BHTSA	0.40	2.36	17	16	4
BHANDARDRA	0.00	0.00	0	0	4
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.47	3.75	20	19	4
GHATGHAR	1.04	3.09	250	0	0
Total	2.28	11.68			116
Wind					
MalharPeth	0.13	1.78			
Vankuswadi	0.25	2.34			
ATIT	0.02	1.24			
Kale	0.11	0.86			
Satara	1.13	6.71			
Shirala	0.10	0.79			
K Mahankal	0.01	1.25			
Supa	0.06	0.42			
Vita	0.37	2.92			
Dondaicha	0.71	2.15			
Sakri	0.05	0.21			
Nandurbar	0.06	0.19			
Khandke	0.11	1.61			
Khaparale	0.09	1.10			
Total	3.20	23.55			
CPP					
JSW JAIGAD	18.05	109.30	835	641	755
WARDHA	5.22	31.15	240	172	235
Adani	33.43	175.54	1830	1100	1234
Other CPPs	8.20	47.05			245
Total	64.89	363.04			2469
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.92	58.16	498	317	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.11	14.55	100	63	120
Trombay 7B	1.40	9.04	63	50	60
Trombay 8	5.30	32.58	254	185	250
TATA Hydro	4.94	18.58	417	0	447
Total	23.67	132.91			1377
REL					
1&2	11.56	69.45	524	398	500
Total	11.56	69.45			500
Cent Sect					
Share					5094
Total					5094

MS PG CL	Thermal	104.12	621.11		4964
	Thml+Gas	113.94	686.67		5434
	Hydro	9.76	56.04		1286
	Total	123.70	742.70		6720
State Total		227.38	1191.51		16160

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 06/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	4455	77	445	4977	194	2273	3888	4190	-750	-961	10683	111	10794	2045	12839	49.93
2	4481	77	420	4978	169	2346	3753	3948	-616	-808	10649	120	10769	1881	12650	49.99
3	4393	77	420	4890	127	2358	3672	3930	-534	-715	10590	132	10722	1775	12497	50.01
4	4362	82	420	4864	87	2331	3615	3933	-478	-630	10585	132	10717	1712	12429	49.98
5	4330	177	417	4924	110	2317	3609	3952	-472	-584	10719	157	10876	1681	12557	49.89
6	4480	192	420	5092	137	2499	4058	4154	-490	-533	11349	290	11639	1748	13387	49.92
7	4479	192	426	5097	159	2532	4298	4175	-466	-389	11574	569	12143	1779	13922	49.86
8	4349	506	427	5282	176	2535	4517	4523	-568	-435	12091	650	12741	1884	14625	49.87
9	4362	539	424	5325	151	2542	4689	4969	-719	-659	12351	565	12916	2167	15083	49.95
10	4272	724	416	5412	139	2595	4888	5392	-796	-785	12765	416	13181	2516	15697	50.02
11	4300	968	412	5680	140	2697	5025	5446	-950	-933	13054	365	13419	2733	16152	49.99
12	4297	1103	410	5810	130	2698	5091	5487	-1018	-950	13185	437	13622	2794	16416	50.01
13	4278	977	407	5662	72	2692	5094	5366	-1014	-951	12841	523	13364	2786	16150	50.11
14	4365	614	408	5387	52	2739	5052	5680	-947	-921	12937	415	13352	2719	16071	50.00
15	4366	673	408	5447	49	2775	4906	5601	-961	-905	12967	326	13293	2729	16022	50.00
16	4285	1185	407	5877	61	2897	4777	5356	-954	-881	13310	291	13601	2729	16330	49.92
17	4241	885	408	5534	101	3023	4749	4928	-960	-998	12621	268	12889	2703	15592	49.96
18	4268	104	402	4774	146	3109	4631	4368	-911	-1183	11260	348	11608	2656	14264	50.14
19	4369	98	398	4865	155	3191	4842	5074	-960	-1132	12181	281	12462	2752	15214	50.06
20	4348	121	281	4750	195	3105	5143	5143	-981	-969	12246	299	12545	2706	15251	50.08
21	4361	116	416	4893	193	3095	5014	5065	-956	-1065	12197	195	12392	2642	15034	50.11
22	4230	125	410	4765	166	2926	4862	4943	-879	-1162	11650	132	11782	2439	14221	50.05
23	4229	75	413	4717	140	2839	4675	4932	-859	-1151	11524	95	11619	2293	13912	50.00
24	4215	75	412	4702	153	2777	4499	5158	-807	-1098	11736	95	11831	2156	13987	50.04
MUs	104.12	9.76	9.83	123.70	3.20	64.89	109.35	115.71	-19.05	-20.80	287.06	7.21	294.28	56.02	350.30	50.00

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 06/Nov/2013

Position as on 6.30 Hrs of 07/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	
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	06/11/2013	13.06	R Phase HV Bushing of GT3 Burst	
Chandrapur Unit 1	210	03/11/2013	12.12	06/11/2013	20.23	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.	
CPP WPCL U-2	135	06/11/2013	08.02	06/11/2013	12.00	Turbine Problem./	
CPP WPCL U-4	135	06/11/2013	12.27		Continued.	Convertor belt problem.	
Uran Unit 6	108	06/11/2013	19.11		Continued.	BLR Trip.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 06/Nov/2013

Position as on 6.30 Hrs of 07/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule-Khandwa-I	06/11/2013	10.23	06/11/2013	20.44	Insulator Repl.work at Khandwa end.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Padgha-Bhoisor (PGCIL)	06/11/2013	22.37		Continued.	Red Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Mapusa-II	30/10/2013	21.27		Continued.	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	06/11/2013	09.30	Over Voltage.
Parli-Solapur (PGCIL) Ckt.II	06/11/2013	16.48	06/11/2013	17.52	Over Voltage.
Lamboti - Solapur (PGCIL)	06/11/2013	17.28	07/11/2013	06.47	Over Voltage.
Parli (PGCIL)-Bhadravati-II	06/11/2013	17.46		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	07/11/2013	01.09		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	06/11/2013	07.25	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		
Chalishaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalishaon line.
Baramati-Kurkumb	06/11/2013	10.26	06/11/2013	12.55	Testing work.
Apta-HOC	06/11/2013	10.36	06/11/2013	17.21	Red hot.
Warora - Wani	06/11/2013	13.14	06/11/2013	17.41	Q.M.Work.
Baramati-Kalyani	06/11/2013	14.00	06/11/2013	15.35	CT Tan Delta.
220/100KV 200MVA ICT-III at Apta	06/11/2013	14.33	06/11/2013	16.37	Bus II Outage.
220/100 KV 200 MVA ICT-IV @ Apta	06/11/2013	14.35	06/11/2013	16.39	Bus II Outage.
Apta-Tambati	06/11/2013	14.42	06/11/2013	16.34	Bus II Outage.
Apta-Bombay Dyeing	06/11/2013	14.47	06/11/2013	16.29	Bus II Outage.
Apta-Kalwa	06/11/2013	14.48	06/11/2013	16.28	Bus II Outage.
Apta-Uran-II	06/11/2013	14.51	06/11/2013	16.23	Bus II Outage.
Bus Section - II @ Apta.	06/11/2013	14.55	06/11/2013	16.14	To Repl of jumper.
Trombay - Tifil	06/11/2013	15.23	06/11/2013	16.08	Re stringing of pilot string of Y-Ph.
Kalwa - Salshet - III	07/11/2013	00.49	07/11/2013	05.45	Disconnecting spare ckt at loc.no 11 & 12.
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	06/11/2013	10.42	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

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 06/Nov/2013

Position as on 6.30 Hrs of 07/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	01/11/2013	18.07		Continued.	Over Voltage
New Koyna-Karad-II	07/11/2013	01.17		Continued.	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	06/11/2013	09.18	Over Voltage
Dabhol - New Koyna - I	04/11/2013	16.30		Continued.	Over Voltage.
Dabhol - Nagothane - I	05/11/2013	17.30		Continued.	Over Voltage.
Dabhol-Nagothane - II	06/11/2013	21.30		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	07/11/2013	00.52	07/11/2013	06.37	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.
Hingoli-Pusad	06/11/2013	02.04	06/11/2013	14.12	Broken conductor ind.received at Pusad end at loc.no 137 R-Ph jumper Open.
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 Brokan.
Ghatghar-Bapgaon	06/11/2013	12.05	06/11/2013	12.25	Trip at Ghatghar end.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 07/Nov/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	145
Unit 6	210	135
Unit 7	210	130
	620	410
Bhusawal		
Unit 2	210	150
Unit 3	210	150
Unit 4	500	269
Unit 5	500	
	1420	569
Parli		
Unit 3	210	0
Unit 4	210	155
Unit 5	210	165
Unit 6	250	0
Unit 7	250	0
	1130	320
Chandrapur		
Unit 1	210	100
Unit 2	210	140
Unit 3	210	150
Unit 4	210	180
Unit 5	500	0
Unit 6	500	400
Unit 7	500	375
	2340	1345
Paras		
Unit 3	250	150
Unit 4	250	230
	500	380
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	170
Unit 4	210	200
Unit 5	500	350
	1340	1040
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	410
	852	410
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	5
ELDARY	23	0
SMLHY PTN	12	4
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	754
WARDHA	405	235
Adani	1320	1851
Other CPPs	300	245
	3225	3085
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	5647
	3455	5647