



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

State Load Dispatch Center, Airoli

Daily system Report

for

13/Nov/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 13/Nov/2013 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	105.770	1325.425	1) Gujrat	10.318	175.253
2) Hydro	18.619	163.780	2) Madhya Pradesh	19.941	231.422
3) Gas	7.224	117.644	3) Chattisgarh	11.210	146.550
Total MSGENCO	131.613	1606.849	4) Maharashtra	78.453	1001.996
B) 1) JSW JAIGAD	19.852	238.877	5) Goa	-5.765	-71.251
2) WPCL	5.204	68.009	6) TAPS 1&2 Injection	7.759	98.283
3) ADANI	36.390	456.390	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	10.095	113.550	8) Pench (Excess)	-0.495	-5.420
5) Wind Generation	1.789	42.172	# Total Cent. Sector	121.421	1576.833
6) PENCH (MS)	0.495	5.420	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-18.233	-262.872
1) TPCL Thermal	19.640	249.262	G) Bilateral Power *		
2) TPCL Hydro	4.976	48.672	1) MSEDCL Bilateral	30.272	397.713
TOTAL TPCL	24.616	297.934	Include PX	3.319	44.231
3) REL Thermal	11.823	133.279	2) MUMBAI Bilateral	18.095	241.872
D) STATE			Include PX	6.302	100.148
1) Thermal (A1+C1+C3)	137.233	1707.966	3) MUMBAI Schedule	18.095	247.100
2) Hydro (A2+B5+C2)	24.090	217.872	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.224	117.644	1) MSEDCL	308.626	3845.228
4) Wind (B4)	1.789	42.172	2) TPCL	36.108	451.952
5) CPP (B1+B2+B3)	71.541	456.826	3) REL	18.564	241.862
TOTAL STATE	241.877	2542.480	TOTAL STATE	363.298	4539.042

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4521	4511	4281
MSGENCO Hydro	1879	1500	75
MSGENCO Gas	287	293	313
MSGENCO Total Generation	6687	6304	4669
Central Sector Receipt	6126	5361	4397
WIND	28	58	169
CPP / IPP	2995	2798	3044
Exchange with Mumbai	-1037	-861	-580
MSEDCL DEMAND MET	14806	13685	11699
Load Shedding	716	459	65
MSEDCL DEMAND	15522	14144	11764
TPCL GENERATION	1225	1313	673
R-INFRA GENERATION	523	522	379
TPCL+R-INFRA DEMAND	2785	2696	1632
STATE DEMAND MET	17591	16381	13331
STATE DEMAND	18307	16840	13396
Frequency (Hz)	49.97	49.96	50.04

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 03.59 Hrs	49.59 Hz at 20.13 Hrs	49.99	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 13/Nov/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	1.66	21.96	150	0	0
Unit 6	3.16	36.76	150	113	140
Unit 7	3.15	45.86	150	118	140
Total	7.96	104.58			280
Bhusawal					
Unit 2	3.46	47.16	155	130	160
Unit 3	3.41	46.50	155	130	160
Unit 4	0.00	69.44	0	0	0
Unit 5	0.00	0.00	0	0	0
Total	6.88	163.11			320
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.49	45.73	158	117	150
Unit 5	3.58	46.40	172	123	130
Unit 6	4.27	24.70	201	144	170
Unit 7	4.20	28.02	198	158	155
Total	15.55	144.84			605
Chandrapur					
Unit 1	2.12	26.07	147	0	150
Unit 2	3.38	39.05	151	121	140
Unit 3	4.33	42.56	190	175	190
Unit 4	4.64	38.56	207	172	210
Unit 5	0.00	0.00	0	0	0
Unit 6	9.38	117.92	430	310	425
Unit 7	8.33	104.94	390	320	350
Total	32.18	369.11			1465
Paras					
Unit 3	1.52	48.03	200	0	0
Unit 4	5.04	64.28	232	160	210
Total	6.57	112.31			210
Khaparkheda					
Unit 1	3.01	28.70	160	100	160
Unit 2	3.24	39.78	165	95	160
Unit 3	3.94	40.16	180	144	180
Unit 4	4.29	53.31	192	140	200
Unit 5	9.48	116.12	480	295	450
Total	23.97	278.05			1150
Nasik					
Unit 3	4.18	54.62	195	160	190
Unit 4	4.26	43.47	190	165	190
Unit 5	4.23	55.32	191	159	190
Total	12.67	153.42			570
Uran					
All Units	7.22	117.64	314	283	300
Total	7.22	117.64			300
PENCH (MS)					
Pench (MS)	0.50	5.42	53	0	
Total	0.50	5.42			
Koyna					
Stage 1-2	5.72	47.86	570	40	600
Stage 4	6.75	62.76	954	0	250
Stage 3	2.63	24.55	316	0	320
Kovna 12&4 Total	12.46	110.62			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	15.09	135.16			1170
Hydro					
KDPH	0.31	0.31	20	0	0
VTRNA	0.00	0.17	0	0	0
TILLARI	0.17	2.30	58	0	60
BHTGR/VEER	0.10	0.16	5	4	5
BHIRA T.R.	0.29	2.76	41	0	40
RNGR+BHTSA	0.38	5.11	16	15	5
BHANDARDRA	0.00	0.00	0	0	5
ELDARY	0.00	0.00	0	0	
SMLHY PTN	0.40	6.41	17	16	4
GHATGHAR	1.88	11.40	250	0	
Total	3.53	28.62			119
Wind					
MalharPeth	0.08	2.68			
Vankuswadi	0.12	4.05			
ATIT	0.01	1.39			
Kale	0.03	1.41			
Satara	0.61	14.24			
Shirala	0.02	1.37			
K Mahankal	0.01	1.35			
Supa	0.06	0.74			
Vita	0.16	5.84			
Dondaicha	0.46	4.38			
Sakri	0.03	0.41			
Nandurbar	0.05	0.37			
Khandke	0.13	2.58			
Khaparale	0.02	1.35			
Total	1.79	42.17			
CPP					
JSW JAIGAD	19.85	238.88	894	784	812
WARDHA	5.20	68.01	224	209	225
Adani	36.39	456.39	1780	1200	1851
Other CPPs	10.10	108.77			240
Total	71.54	872.05			3128
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.24	131.69	500	318	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.28	26.82	128	63	120
Trombay 7B	1.44	17.92	70	49	60
Trombay 8	5.68	72.83	254	185	250
TATA Hydro	4.98	48.67	383	0	447
Total	24.62	297.93			1377
REL					
1&2	11.82	133.28	523	378	500
Total	11.82	133.28			500
Cent Sect					
Share					5500
Total					5500

MS PG CL	Thermal	105.77	1325.42			4600
	Thml+Gas	112.99	1443.07			4900
	Hydro	18.62	163.78			1289
	Total	131.61	1606.85			6189
State Total		241.88	2542.48			16694

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 13/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	4159	80	312	4551	90	3019	4443	4988	-669	-754	11904	91	11995	1871	13866	50.03
2	4193	80	314	4587	100	3116	4332	4728	-608	-644	11887	65	11952	1716	13668	50.02
3	4281	75	313	4669	169	3044	4312	4397	-588	-580	11699	65	11764	1632	13396	50.04
4	4288	76	313	4677	107	3055	4270	4488	-546	-525	11802	65	11867	1579	13446	50.09
5	4294	86	310	4690	82	3088	4273	4580	-535	-508	11932	64	11996	1574	13570	50.01
6	4404	151	312	4867	47	3145	4411	4862	-502	-337	12584	221	12805	1659	14464	50.00
7	4467	182	312	4961	84	3115	4422	4569	-500	-326	12403	894	13297	1750	15047	49.88
8	4452	860	312	5624	76	3172	4491	4651	-568	-449	13097	914	14011	1872	15883	49.94
9	4485	950	306	5741	73	3230	4535	4813	-507	-537	13373	847	14220	2160	16380	49.97
10	4510	1550	301	6361	53	3190	4991	5248	-686	-783	14121	641	14762	2509	17271	49.99
11	4514	1433	293	6240	30	3061	5628	6093	-938	-1009	14441	616	15057	2737	17794	50.00
12	4521	1879	287	6687	28	2995	5721	6126	-1010	-1037	14806	716	15522	2785	18307	49.97
13	4515	1629	285	6429	25	3021	5605	5758	-992	-1021	14212	842	15054	2775	17829	49.96
14	4614	1840	284	6738	35	2770	5203	5433	-918	-981	13995	711	14706	2680	17386	50.07
15	4566	1991	283	6840	38	2803	5416	5529	-923	-938	14297	501	14798	2694	17492	49.95
16	4564	1677	289	6530	50	2820	5511	5601	-935	-938	14083	442	14525	2694	17219	49.95
17	4511	1500	293	6304	58	2798	4978	5361	-927	-861	13685	459	14144	2696	16840	49.96
18	4475	982	295	5752	54	2806	4595	4593	-868	-907	12351	607	12958	2680	15638	50.00
19	4418	514	295	5227	99	2908	4824	5406	-915	-932	12734	454	13188	2740	15928	50.04
20	4384	460	299	5143	107	2812	4684	5198	-854	-897	12416	535	12951	2687	15638	49.99
21	4412	276	302	4990	109	2891	4626	4895	-842	-906	12002	381	12383	2576	14959	50.00
22	4388	152	304	4844	91	2903	4589	4693	-805	-895	11659	248	11907	2328	14235	49.99
23	4163	98	305	4566	96	2868	4409	4660	-754	-780	11459	166	11625	2211	13836	49.97
24	4192	98	305	4595	88	2911	4291	4749	-707	-688	11682	136	11818	2067	13885	49.97
MUs	105.77	18.62	7.22	131.61	1.79	71.54	114.56	121.42	-18.09	-18.23	308.62	10.68	319.30	54.67	373.98	49.99

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 13/Nov/2013

Position as on 6.30 Hrs of 14/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.	
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.	
Uran Unit 8	108	24/10/2013	08.00		Continued.	Gas Shortage.	
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.	
Koradi Unit 5	200	07/11/2013	11.30	13/11/2013	08.17	Flame Failure.	
Uran Unit 6	108	07/11/2013	15.32		Continued.	Gas Shortage.	
CPP WPCL U-3	135	10/11/2013	6.10		Continued.	I D FAN PROBLEM	
Paras Unit 3	250	12/11/2013	11.17	13/11/2013	14.46	Furnace pressure High.	
Bhusawal Unit 4	500	12/11/2013	21.13		Continued.	Tripped,As GT4 Burst.	
Chandrapur Unit 1	210	13/11/2013	14.36		Continued.	BLR T/L.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/Nov/2013

Position as on 6.30 Hrs of 14/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli (PGCIL)-Bhadravati-II	06/11/2013	17.46		Continued.	Over Voltage.
Kolhapur - Mapusa - I	12/11/2013	16.30	13/11/2013	08.44	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	12/11/2013	16.45	13/11/2013	14.06	Over Voltage.
Akola - Aurangabad - I	13/11/2013	14.32	14/11/2013	01.21	To control L/L of Akola-Wardha II.
Kolhapur - Mapusa - I	13/11/2013	16.11		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	13/11/2013	16.26		Continued.	Over Voltage.
Solapur - Solapur (PG)	13/11/2013	17.10	14/11/2013	06.36	Over Voltage.
Dhule-Sar'Sarovar - I	14/11/2013	03.04		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Akola - Wardha - I	13/11/2013	12.52	14/11/2013	01.00	Dist.Protection.
Dabhol - NewKoyna - II	13/11/2013	21.58	13/11/2013	22.53	Over Voltage.
Dabhol - NewKoyna - II	14/11/2013	01.52		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/132 KV 200 MVA ICT - II @ Khadka	11/11/2013	09.07		Continued.	Replacement of Old 200 MVA ICT Under LES Upto 04/01/2014.
Lonikand-Karad	12/11/2013	09.29	13/11/2013	09.02	Repl of 3 nos LAS & CVT,RFC-19.04 Hrs.
400/220KV 315MVA ICT- I @ Chandrapur	13/11/2013	09.15	13/11/2013	19.27	Commissioning of CTR,and tan delta,CRM.
Talegaon PG- Parli PG	13/11/2013	09.34	13/11/2013	15.43	Attending hot spot.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalishaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalishaon line.
Borivali(M)-Borivali(T)-5	13/11/2013	07.15	13/11/2013	10.07	Hot Spot at metering CT & CB.
ONGC-TSS	13/11/2013	08.27	13/11/2013	20.20	Repl of CB under Jaica-2.
Lote - Dasturi	13/11/2013	09.10	13/11/2013	19.40	Q.M.Work.
TBC At Patoda	13/11/2013	10.35	13/11/2013	13.05	Q.M.Work
Warora-Wardha	13/11/2013	12.55	13/11/2013	18.30	Repl of B-Ph suspension type double string at loc no 169.(hot iine).
Dondaicha - Jamde - I	13/11/2013	14.45	13/11/2013	16.05	Tan delta and capacitance measurement of CT's.
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
Deepnagar-Aurangabad-I	25/10/2013	17.37	13/11/2013	22.27	Hand tripped for Over Voltage
Karad - Kolhapur - I	12/11/2013	16.10	13/11/2013	09.34	Over Voltage.
Bhusawal- Aurangabad	12/11/2013	17.11	13/11/2013	09.59	Over Voltage.
Karad-Kolhapur-II	13/11/2013	15.47		Continued.	Over Voltage.
Bhusawal- Aurangabad	13/11/2013	22.27		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Alephata-Kathapur	13/11/2013	10.42	13/11/2013	17.56	To control L/L of BBLSR.
Pusad-Nanded	13/11/2013	18.30		Continued.	To control L/L of Wardha-Y'mal.
Voltage Level : 400KV			Outage Type TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 13/Nov/2013

Position as on 6.30 Hrs of 14/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal - Deepnagar - II	26/10/2013	18.50		Continued.	over voltage
Dabhol - New Koyna - I	04/11/2013	16.30	14/11/2013	06.38	Over Voltage.
Dabhol-Nagothane - II	06/11/2013	21.30		Continued.	Over Voltage.
400/ 21.75 KV 600 MVA GT IV @ Deepnagar	12/11/2013	21.00		Continued.	GT4 Caught Fire.
400/200 KV 500 MVA ICT - II Main Bay(414) @ Deepnagar	12/11/2013	21.22		Continued.	As GT4 Caught Fire.
Karad - Kolhapur - II	12/11/2013	21.57	13/11/2013	09.09	Over Voltage.
Dabhol - Nagothane - I	13/11/2013	21.59		Continued.	Over Voltage.
Karad-Jaigad I	14/11/2013	04.02		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.
Voltage Level : 132KV			Outage Type TRIPPED		
Main Bus at Chalisgaon	13/11/2013	21.03	13/11/2013	21.30	R-Ph CT Burst of Chalisgaon ckt II,Bus Bar Prot Optd.
Chalisgaon - Chalisgaon - II	13/11/2013	21.03		Continued.	R-Ph CT Burst ,Bus Bar Prot Optd.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 14/Nov/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	126
Unit 6	210	118
Unit 7	210	125
	620	369
Bhusawal		
Unit 2	210	160
Unit 3	210	160
Unit 4	500	0
Unit 5	500	
	1420	320
Parli		
Unit 3	210	0
Unit 4	210	140
Unit 5	210	160
Unit 6	250	165
Unit 7	250	165
	1130	630
Chandrapur		
Unit 1	210	0
Unit 2	210	120
Unit 3	210	170
Unit 4	210	190
Unit 5	500	0
Unit 6	500	410
Unit 7	500	340
	2340	1230
Paras		
Unit 3	250	130
Unit 4	250	160
	500	290
Khaparkheda		
Unit 1	210	130
Unit 2	210	130
Unit 3	210	160
Unit 4	210	160
Unit 5	500	425
	1340	1005
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	290
	852	290
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	18
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	5
GHATGHAR	250	0
	611	138
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	813
WARDHA	405	210
Adani	1320	1851
Other CPPs	300	245
	3225	3119
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	5051
	3455	5051