



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Nov/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Nov/2013 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	102.958	1535.433	1) Gujrat	1.473	176.145
2) Hydro	17.990	208.478	2) Madhya Pradesh	17.012	267.209
3) Gas	10.969	135.900	3) Chattisgarh	10.840	169.260
Total MSGENCO	131.917	1879.811	4) Maharashtra	78.442	1155.043
B) 1) JSW JAIGAD	19.420	278.152	5) Goa	-5.493	-82.785
2) WPCL	7.083	80.022	6) TAPS 1&2 Injection	7.783	113.813
3) ADANI	35.320	532.530	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	10.368	134.032	8) Pench (Excess)	-0.348	-6.484
5) Wind Generation	9.651	54.748	# Total Cent. Sector	109.709	1792.201
6) PENCH (MS)	0.348	6.484	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-17.522	-296.461
1) TPCL Thermal	19.767	289.990	G) Bilateral Power *		
2) TPCL Hydro	3.098	56.792	1) MSEDCL Bilateral	29.123	456.585
TOTAL TPCL	22.865	346.782	Include PX	0.445	48.153
3) REL Thermal	11.735	157.497	2) MUMBAI Bilateral	17.423	277.081
D) STATE			Include PX	4.252	110.772
1) Thermal (A1+C1+C3)	134.460	1982.920	3) MUMBAI Schedule	17.423	282.309
2) Hydro (A2+B5+C2)	21.436	271.754	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.969	135.900	1) MSEDCL	306.294	4461.519
4) Wind (B4)	9.651	54.748	2) TPCL	33.685	521.506
5) CPP (B1+B2+B3)	72.191	527.526	3) REL	18.437	278.960
TOTAL STATE	248.707	2972.848	TOTAL STATE	358.416	5261.985

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4239	4116	4278
MSGENCO Hydro	1861	1131	112
MSGENCO Gas	446	440	465
MSGENCO Total Generation	6546	5687	4855
Central Sector Receipt	5189	5211	4145
WIND	339	321	326
CPP / IPP	3195	2910	2945
Exchange with Mumbai	-839	-810	-598
MSEDCL DEMAND MET	14476	13319	11673
Load Shedding	356	254	24
MSEDCL DEMAND	14832	13573	11697
TPCL GENERATION	1192	1147	650
R-INFRA GENERATION	524	524	393
TPCL+R-INFRA DEMAND	2555	2481	1641
STATE DEMAND MET	17031	15800	13314
STATE DEMAND	17387	16054	13338
Frequency (Hz)	49.95	49.93	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.41 Hz at 21:48 Hrs	49.49 Hz at 09:08 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 15/Nov/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.30	27.58	135	0	100
Unit 6	3.29	43.43	153	121	130
Unit 7	3.14	52.28	160	105	145
Total	8.72	123.30			375
Bhusawal					
Unit 2	3.69	54.58	170	140	143
Unit 3	3.50	53.52	175	125	143
Unit 4	0.00	69.44	0	0	0
Unit 5	0.00	0.00	0	0	0
Total	7.18	177.54			286
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.63	53.00	166	132	158
Unit 5	3.61	53.68	166	140	155
Unit 6	4.43	33.87	219	129	180
Unit 7	4.50	37.05	205	159	180
Total	16.17	177.60			673
Chandrapur					
Unit 1	0.11	26.18	45	0	0
Unit 2	3.14	45.35	144	110	140
Unit 3	4.18	50.91	185	150	190
Unit 4	4.68	47.86	208	163	210
Unit 5	0.00	0.00	0	0	0
Unit 6	3.99	131.34	455	0	425
Unit 7	9.01	122.32	398	341	400
Total	25.11	423.96			1365
Paras					
Unit 3	4.76	56.64	211	175	200
Unit 4	4.70	73.10	216	176	200
Total	9.45	129.73			400
Khaparkheda					
Unit 1	2.90	34.08	150	90	119
Unit 2	3.20	46.12	150	110	128
Unit 3	3.35	46.94	154	130	137
Unit 4	4.04	61.22	172	160	156
Unit 5	9.92	135.49	470	312	430
Total	23.40	323.85			970
Nasik					
Unit 3	4.32	63.34	200	165	190
Unit 4	4.27	52.10	191	166	195
Unit 5	4.32	64.02	192	167	195
Total	12.92	179.45			580
Uran					
All Units	10.97	135.90	476	433	440
Total	10.97	135.90			440
PENCH (MS)					
Pench (MS)	0.35	6.48	53	0	0
Total	0.35	6.48			0
Koyna					
Stage 1-2	4.46	59.69	560	40	600
Stage 4	8.10	83.71	1040	0	250
Stage 3	2.45	31.22	316	0	320
Kovna 12&4 Total	12.56	143.40			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	15.01	174.62			1170
Hydro					
KDPH	0.45	1.21	19	18	18
VTRNA	0.00	0.17	0	0	0
TILLARI	0.17	2.64	58	0	60
BHTGR/VEER	0.12	0.40	5	5	4
BHIRA T.R.	0.28	3.34	41	0	40
RNGR+BHTSA	0.38	5.84	16	15	16
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.65	7.57	27	26	0
GHATGHAR	0.93	12.69	120	0	0
Total	2.98	33.86			138
Wind					
MalharPeth	0.44	3.20			
Vankuswadi	0.86	5.06			
ATIT	0.10	1.50			
Kale	0.33	1.78			
Satara	3.90	19.24			
Shirala	0.35	1.76			
K Mahankal	0.06	1.42			
Supa	0.11	0.92			
Vita	1.52	7.73			
Dondaicha	1.05	6.00			
Sakri	0.10	0.57			
Nandurbar	0.10	0.51			
Khandke	0.37	3.22			
Khaparale	0.38	1.82			
Total	9.65	54.75			
CPP					
JSW JAIGAD	19.42	278.15	903	705	812
WARDHA	7.08	80.02	303	285	300
Adani	35.32	532.53	1620	1280	1851
Other CPPs	10.37	129.25			245
Total	72.19	1019.96			3208
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.33	153.19	501	315	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.39	31.68	115	70	120
Trombay 7B	1.48	20.91	67	52	60
Trombay 8	5.56	84.22	253	185	250
TATA Hydro	3.10	56.79	380	0	447
Total	22.86	346.78			1377
REL					
1&2	11.74	157.50	526	383	500
Total	11.74	157.50			500
Cent Sect					
Share					4907
Total					4907

MS PG CL	Thermal	102.96	1535.43			4649
	Thml+Gas	113.93	1671.33			5089
	Hydro	17.99	208.48			1308
	Total	131.92	1879.81			6397
State Total		248.71	2972.85			16389

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/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	4442	107	461	5010	307	3114	4114	4105	-444	-586	11963	64	12027	1885	13912	50.01
2	4506	107	464	5077	330	3128	4364	3817	-637	-509	11843	24	11867	1738	13605	50.01
3	4278	112	465	4855	326	2945	4371	4145	-569	-598	11673	24	11697	1641	13338	49.95
4	4307	107	473	4887	303	2916	4347	4320	-534	-552	11874	24	11898	1579	13477	49.96
5	4279	222	474	4975	271	2919	4334	4578	-520	-539	12204	25	12229	1578	13807	49.88
6	4522	187	475	5184	310	3032	4263	4585	-451	-381	12730	125	12855	1659	14514	49.95
7	4688	292	471	5451	349	3127	4207	4335	-423	-327	12948	485	13433	1723	15156	49.87
8	4661	1177	471	6309	302	3112	4233	4389	-543	-374	13778	553	14331	1820	16151	49.82
9	4699	1612	461	6772	243	3109	4188	4231	-496	-452	13954	513	14467	2046	16513	49.81
10	4585	1960	453	6998	234	3114	4485	4364	-621	-517	14246	396	14642	2351	16993	49.94
11	4239	1861	446	6546	339	3195	4897	5189	-962	-839	14476	356	14832	2555	17387	49.95
12	4179	1724	438	6341	416	3165	5019	5229	-1013	-900	14277	433	14710	2605	17315	49.97
13	4145	1614	440	6199	405	3045	5148	5091	-1007	-892	13848	526	14374	2597	16971	49.90
14	4189	1489	435	6113	364	2975	5005	5157	-962	-817	13792	417	14209	2490	16699	49.98
15	4178	1320	439	5937	348	2945	5023	5470	-932	-870	13830	285	14115	2503	16618	50.05
16	4165	1583	433	6181	320	2933	4974	5307	-931	-846	13895	240	14135	2492	16627	50.03
17	4116	1131	440	5687	321	2910	5005	5211	-905	-810	13319	254	13573	2481	16054	49.93
18	4149	353	436	4938	327	2949	4847	4500	-907	-871	11883	337	12220	2475	14695	50.03
19	4138	300	448	4886	380	3051	4902	4945	-1006	-985	12301	288	12589	2586	15175	50.00
20	4139	254	461	4854	485	3091	4783	4423	-841	-896	11981	371	12352	2561	14913	50.10
21	4130	150	465	4745	746	3063	4768	4219	-804	-959	11828	284	12112	2462	14574	50.14
22	4086	110	471	4667	755	2991	4645	3985	-782	-1010	11392	196	11588	2195	13783	50.23
23	4056	109	473	4638	766	2700	4195	4047	-659	-1058	11093	154	11247	2125	13372	50.11
24	4082	109	476	4667	704	2662	3729	4067	-477	-934	11166	131	11297	1975	13272	50.21
MUs	102.96	17.99	10.97	131.92	9.65	72.19	109.85	109.71	-17.42	-17.52	306.29	6.50	312.80	52.12	364.92	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 15/Nov/2013

Position as on 6.30 Hrs of 16/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 Abhijeet	62	05/11/2013	11.53		Continued.	Turbine Tripped.	
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	
Bhusawal Unit 4	500	12/11/2013	21.13		Continued.	Tripped,As GT4 Burst.	
Chandrapur Unit 1	210	13/11/2013	14.36	15/11/2013	20.11	BLR T/L.	
Koradi Unit 5	200	15/11/2013	02.07	15/11/2013	05.59	Flame Failure.	
Chandrapur Unit 6	500	15/11/2013	10.08		Continued.	Boiler Tube Leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Nov/2013

Position as on 6.30 Hrs of 16/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule-Sar'Sarovar - I	15/11/2013	10.45		Continued.	Replacement of Disc Insulator(Ready for charging 19.10Hrs)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli (PGCIL)-Bhadravati-II	06/11/2013	17.46		Continued.	Over Voltage.
Kolhapur - Mapusa - II	14/11/2013	16.14	15/11/2013	11.08	Over Voltage.
Kolhapur-Solapur (PG) II	14/11/2013	16.24	15/11/2013	07.55	Over Voltage.
Dhule-Sar'Sarovar - II	14/11/2013	23.07	15/11/2013	07.54	Over Voltage.
Kolhapur-Solapur (PG) II	15/11/2013	16.00		Continued.	Over Voltage
Kolhapur - Mapusa - I	15/11/2013	16.16		Continued.	Over Voltage
Solapur - Solapur (PG)	15/11/2013	20.09	16/11/2013	06.30	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol - NewKoyna - II	14/11/2013	01.52		Continued.	Over Voltage.
Solapur - Solapur (PG)	14/11/2013	21.57	15/11/2013	06.47	Over Voltage.
Karad - Solapur (PGCIL)	15/11/2013	21.42		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.
Main Bus-II at Deepnagar	15/11/2013	10.07	15/11/2013	12.33	Fixing of spacer betn.400kv M.B.II to B PH gantry Jumper
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
Trombay - Tifil	14/11/2013	07.16		Continued.	For erection of new tower for height 1 raising of above EHV lines in BARC premises.
Trombay Sonkhar	14/11/2013	07.20		Continued.	For erection of new tower for height 1 raising of above EHV lines in BARC premises.
Kandalgaon - Pirangut	14/11/2013	17.30		Continued.	Repl.of CB under Jaica-II.
Boisor - Dahanu	15/11/2013	08.20	15/11/2013	11.28	Tan Delta of CT
Apta-Kalwa	15/11/2013	09.05	15/11/2013	18.01	Replacement of CC
Jambul - Pal	15/11/2013	10.11	15/11/2013	14.25	Repl.of Damaged Jumper
220/132KV 200 MVA ICT- II @ Boisor	15/11/2013	11.32	15/11/2013	17.43	Tan Delta of CT
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
Karad-Kolhapur-II	13/11/2013	15.47		Continued.	Over Voltage.
Bhusawal- Aurangabad	14/11/2013	17.37	15/11/2013	06.45	Over Voltage.
Deepnagar-Aurangabad-II	14/11/2013	21.48		Continued.	Over Voltage.
Karad - Newkoyna - I	14/11/2013	23.47	15/11/2013	09.15	Over Voltage.
Lonikand- Koyna Stage IV	15/11/2013	01.35	15/11/2013	07.06	Over Voltage.
Bablsr-Aurangabad	15/11/2013	17.30		Continued.	Over Voltage
Lonikand- Koyna Stage IV	15/11/2013	21.09		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Nov/2013

Position as on 6.30 Hrs of 16/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Pusad-Nanded	13/11/2013	18.30		Continued.	To control L/L of Wardha-Y'mal.
Alephata-Kathapur	14/11/2013	09.14		Continued.	Link open for outage of LNKND ICT III.
Voltage Level : 400KV			Outage Type TRIPPED		
Bhusawal - Deepnagar - II	26/10/2013	18.50		Continued.	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.
Dabhol - Nagothane - I	13/11/2013	21.59		Continued.	Over Voltage.
Karad-Jaigad I	14/11/2013	04.02	15/11/2013	09.23	Over Voltage.
Dabhol - Nagothane - I	14/11/2013	22.00		Continued.	Over Voltage.
Karad-Jaigad I	15/11/2013	20.07		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.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/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	145
Unit 3	210	133
Unit 4	500	0
Unit 5	500	0
	1420	278
Parli		
Unit 3	210	0
Unit 4	210	160
Unit 5	210	140
Unit 6	250	180
Unit 7	250	185
	1130	665
Chandrapur		
Unit 1	210	120
Unit 2	210	130
Unit 3	210	170
Unit 4	210	210
Unit 5	500	0
Unit 6	500	0
Unit 7	500	350
	2340	980
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	180
Unit 2	210	160
Unit 3	210	180
Unit 4	210	180
Unit 5	500	450
	1340	1150
Nasik		
Unit 3	210	190
Unit 4	210	195
Unit 5	210	195
	630	580
Uran		
All Units	852	475
	852	475
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	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
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	812
WARDHA	405	300
Adani	1980	1851
Other CPPs	300	245
	3885	3208
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	5297
	3455	5297