

**State Load Despatch Center, Airoli (MSETCL) Statement I**  
**Daily system Report for 11/Dec/2016 SUNDAY**

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	148.422	1495.453	1) Gujrat	-2.853	-34.859
2) Hydro	8.380	221.974	2) Madhya Pradesh	5.275	73.935
3) Gas	10.467	115.148	3) Chattisgarh	7.190	85.300
<b>Total MSPGCL</b>	<b>167.269</b>	<b>1832.575</b>	4) Maharashtra Net	104.326	1217.528
B) 1) APML	46.896	565.470	5) Goa (Amona)	-0.594	-7.170
2) JSWEL	11.011	123.462	<b>Total</b>	<b>113.344</b>	<b>1334.734</b>
3) VIPL	10.650	132.995	a) Mumbai Schedule	17.844	228.380
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	19.695	248.460
5) WPCL	3.799	44.183	c) MSEDCL Bilateral *	15.976	214.220
6) PGPL	0.000	10.644	Include PX	-0.348	5.685
7) Other IPP	9.121	99.330	d) Mumbai Bilateral *	17.844	228.380
C) 1) TPCL Thermal	6.980	116.709	Include PX	3.151	34.324
2) TPCL Hydro	2.068	47.993	Include Standby	0.000	0.000
3) TPCL Gas	4.361	46.351	<b>H) ENERGY CATERED (MUs)</b>		
4) R-INFRA Thermal	9.168	114.370	1) MSEDCL	356.539	4006.806
D) STATE			2) Mumbai Discoms	42.272	573.880
1) Thermal	246.047	2691.972	<b>TOTAL STATE</b>	<b>398.811</b>	<b>4580.686</b>
(A1+C1+C4+(B1-B6))					
2) Hydro	10.448	269.967			
(A2+C2)					
3) Gas	14.828	172.143			
(A3+B6+C3)					
4) Wind	12.876	98.773			
6) SOLAR	1.268	13.100			
<b>TOTAL STATE</b>	<b>285.467</b>	<b>3245.955</b>			

\* Displayed for information, not added in total.

**DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II**

PARTICULARS	A. Morning Peak at 10 Hrs	B. Day Peak at 16 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 2 Hrs
MSPGCL Thermal	6930	6657	6685	5326
MSPGCL Hydro	1029	470	491	100
MSPGCL Gas	455	438	436	422
MSPGCL Total Generation	8414	7565	7612	5848
Central Sector Receipt	5194	5669	5726	3193
WIND	663	192	194	696
CPP / IPP Thermal	3571	3446	3565	3214
CPP / IPP Gas	0	0	0	0
SOLAR	129	112	0	0
Exchange with Mumbai	-874	-674	-875	-798
<b>MSEDCL DEMAND MET</b>	<b>17097</b>	<b>16310</b>	<b>16222</b>	<b>12153</b>
Load Shedding	0	0	0	0
MSEDCL DEMAND	17097	16310	16222	12153
TPCL GENERATION	568	711	769	377
R-INFRA GENERATION	382	382	382	382
<b>MUMBAI DEMAND</b>	<b>1824</b>	<b>1767</b>	<b>2026</b>	<b>1557</b>
STATE DEMAND MET	18921	18077	18248	13710
<b>STATE DEMAND</b>	<b>18921</b>	<b>18077</b>	<b>18248</b>	<b>13710</b>
Frequency (Hz)	49.96	49.96	49.99	49.98

**FREQUENCY PARTICULARS**

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.18 Hz at 18.02 Hrs	49.76 Hz at 17.40 Hrs	49.97	0 % of Time(min)

Note : The report is based on Operational Data and is for statistical purpose only.

Shift Engineer

Shift Incharge

## Daily and Progressive Generation,Maximum,Minimum for 11/Dec/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
<b>Koradi</b>				
Unit 5	0.00	0.00	0	0
Unit 6	0.00	0.00	0	0
Unit 7	3.94	10.96	175	151
Unit 8	11.07	132.37	504	400
Unit 9	11.47	107.37	511	413
<b>Total</b>	<b>26.47</b>	<b>250.70</b>		
<b>Bhusawal</b>				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	10.44	110.75	510	365
Unit 5	10.41	111.50	510	360
<b>Total</b>	<b>20.86</b>	<b>222.24</b>		
<b>Parli</b>				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.05	56.65	245	193
Unit 7	4.00	55.18	227	0
Unit 8	0.00	0.00	0	0
<b>Total</b>	<b>9.05</b>	<b>111.83</b>		
<b>Chandrapur</b>				
Unit 3	4.44	37.30	200	168
Unit 4	4.34	48.40	195	164
Unit 5	9.97	104.64	465	355
Unit 6	7.93	43.15	405	0
Unit 7	9.02	103.25	411	347
Unit 8	10.40	64.20	500	357
Unit 9	9.36	64.00	460	322
<b>Total</b>	<b>55.46</b>	<b>464.94</b>		
<b>Paras</b>				
Unit 3	0.00	0.00	0	0
Unit 4	5.34	58.95	250	190
<b>Total</b>	<b>5.34</b>	<b>58.95</b>		
<b>Khaparkheda</b>				
Unit 1	4.08	37.20	195	160
Unit 2	4.12	46.78	195	160
Unit 3	4.19	47.94	201	160
Unit 4	4.09	46.70	193	160
Unit 5	10.40	118.80	500	370
<b>Total</b>	<b>26.87</b>	<b>297.41</b>		
<b>Nasik</b>				
Unit 3	2.79	45.35	170	0
Unit 4	0.53	14.66	173	0
Unit 5	0.00	28.31	0	0
<b>Total</b>	<b>3.32</b>	<b>88.32</b>		
<b>Uran</b>				
All Units	10.47	115.15	462	362
<b>Total</b>	<b>10.47</b>	<b>115.15</b>		
<b>PGPL</b>				
Unit 1	0.00	6.64	0	0
Unit 2	0.00	4.00	0	0
<b>Total</b>	<b>0.00</b>	<b>10.64</b>		
<b>PENCH (MS)</b>				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.51	3.01	46	0
<b>Total</b>	<b>0.51</b>	<b>3.01</b>		
<b>Koyna</b>				
Stage 1-2	3.25	63.33	480	40
Stage 4	0.65	84.54	175	0
Stage 3	0.41	30.96	80	0
<b>Total</b>	<b>4.31</b>	<b>178.83</b>		
<b>Hydro</b>				
KDPH	0.68	5.98	37	18
VTRNA	0.43	4.62	60	0
TILLARI	0.38	4.14	64	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.15	2.72	80	0
RNGR+BHTSA	0.00	3.36	0	0
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.73	6.76	41	27
GHATGHAR	1.70	15.57	250	0
<b>Total</b>	<b>4.07</b>	<b>43.14</b>		
<b>Wind</b>				
Total	12.88	98.77	0	0
<b>Total</b>	<b>12.88</b>	<b>98.77</b>		
<b>CPP</b>				
APML(Mus)	46.90	565.47	0	0
JSWEL(Mus)	11.01	123.46	0	0
VIPL(Mus)	10.65	133.00	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	3.80	44.18	0	0
Other(Mus)	9.12	99.33	0	0
<b>Total</b>	<b>81.48</b>	<b>965.44</b>		
<b>SOLAR</b>				
Total	1.27	13.10	0	0
<b>Total</b>	<b>1.27</b>	<b>13.10</b>		
<b>Tata</b>				
Trombay 5	6.98	101.31	455	195
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.76	29.21	115	115
Trombay 7B	1.60	17.14	68	66
Trombay 8	0.00	15.40	0	0
TATA Hydro	2.07	47.99	222	7
<b>Total</b>	<b>13.41</b>	<b>211.05</b>		
<b>R-INFRA</b>				
1-2	9.17	114.37	383	381
<b>Total</b>	<b>9.17</b>	<b>114.37</b>		

* Infirm Power		
Particulars	Daily (Mus)	Monthly
Koradi 10	1.06	1.06

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	148.42	1495.45
MSPGCL Thml+Gas	158.89	1610.60
MSPGCL Hydro	8.38	221.97

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	167.27	1832.58
Koyna 1,2 & 4 Total	3.90	147.87
State Total	285.47	3245.96

**State Load Despatch Center,Airoli (MSETCL)**  
**Hourly Load Data As on 11/Dec/2016**

**Annexure-2**

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	MUMBAI DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS										
1	5321	85	362	5768	649	3227	0	0	3830	3498	-922	12220	0	12220	1680	13900	49.97
2	5326	100	422	5848	696	3214	0	0	3682	3193	-798	12153	0	12153	1557	13710	49.98
3	5429	85	441	5955	759	3251	0	0	3344	3086	-706	12345	0	12345	1467	13812	49.99
4	5541	90	462	6093	756	3231	0	0	3004	3012	-653	12439	0	12439	1412	13851	49.97
5	5613	85	448	6146	706	3237	0	0	3102	3548	-651	12986	0	12986	1410	14396	49.96
6	5592	91	462	6145	711	3230	0	0	4183	3911	-726	13271	0	13271	1486	14757	49.97
7	5724	86	452	6262	723	3277	0	0	5238	5215	-785	14692	0	14692	1545	16237	49.99
8	6120	579	452	7151	648	3506	0	15	5503	5690	-820	16190	0	16190	1586	17776	49.91
9	6851	528	448	7827	573	3567	0	69	5449	5474	-799	16711	0	16711	1673	18384	49.95
10	6930	1029	455	8414	663	3571	0	129	5409	5194	-874	17097	0	17097	1824	18921	49.96
11	6937	816	433	8186	775	3599	0	169	5359	5095	-868	16956	0	16956	1896	18852	49.93
12	6934	479	436	7849	739	3519	0	183	5339	5143	-894	16539	0	16539	1936	18475	49.94
13	6661	324	417	7402	541	3406	0	191	5346	5446	-858	16128	0	16128	1918	18046	49.91
14	6499	669	416	7584	340	3356	0	183	5366	5406	-756	16113	0	16113	1818	17931	49.99
15	6489	584	416	7489	262	3391	0	150	5376	5556	-688	16160	0	16160	1791	17951	49.98
16	6657	470	438	7565	192	3446	0	112	5375	5669	-674	16310	0	16310	1767	18077	49.96
17	6675	415	419	7509	148	3585	0	61	5416	5545	-669	16179	0	16179	1762	17941	49.94
18	6664	400	427	7491	162	3604	0	6	5476	5621	-655	16229	0	16229	1808	18037	49.92
19	6685	491	436	7612	194	3565	0	0	5394	5726	-875	16222	0	16222	2026	18248	49.99
20	6152	335	443	6930	261	3420	0	0	5415	5133	-944	14800	0	14800	2084	16884	50.00
21	5917	236	443	6596	412	3409	0	0	5353	5369	-1035	14751	0	14751	2060	16811	49.97
22	5884	174	444	6502	551	3396	0	0	4908	4858	-1051	14256	0	14256	2012	16268	50.00
23	5933	124	448	6505	701	3259	0	0	4526	3872	-1020	13317	0	13317	1899	15216	50.00
24	5888	105	447	6440	714	3211	0	0	3778	3084	-974	12475	0	12475	1855	14330	50.05
MUs	148.42	8.38	10.47	167.27	12.88	81.48	0.00	1.27	115.17	113.34	-19.69	356.54	0.00	356.54	42.27	398.81	49.97

NOTE : ALL VALUES IN MW

Mumbai Net Exch is shown with reference to MSETCL system and (-) sign indicates MSETCL periphery to Mumbai system.

**State Load Despatch Center, Airoli (MSETCL)      Statement-VI**  
**Details of Generating Unit Outages/Trippings for 11/Dec/2016**

Position as on 6.30 Hrs of 12/Dec/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
<b>PLANNED OUTAGE</b>								
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown,(AOH for 06.03.2016 To 04.04.2016) Unit Test synch.07.04.2016 (12.03 To 12.30hrs)After overhaul	
MSPGCL	Paras Unit 3	250	25/10/2016	08.54		Continued.	(Stator Fault)continued under AOH.26/10/2016 00.00hrs	
<b>FORCED OUTAGE</b>								
RGPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPL	Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	No PPA.	
MSPGCL	Koradi Unit 6	210	20/03/2015	01.02		Continued.	Economic shutdown	
MSPGCL	Parli Unit 4	210	05/07/2015	18.45		Continued.	Water Shortage	
MSPGCL	Parli Unit 5	210	06/07/2015	14:55		Continued.	Water Shortage	
IPP	WPCL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
IPP	WPCL U-2	135	29/02/2016	21.46		Continued.	Change over against Unit III	
MSPGCL	Bhusawal Unit 2	210	14/06/2016	19.35		Continued.	Boiler Tube Leakage(Converted to Zero Shedule By MSEDCL. from 00.00Hrs dt.19-6-16)	
IPP	RPL(AMT) U-3	270	29/06/2016	03.01		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Uran Unit 8	108	14/08/2016	07.56		Continued.	Maintenance work	
RGPL	Dabhol 2A	230	24/08/2016	13.31		Continued.	Change Over.	
MSPGCL	Koradi Unit 5	200	05/09/2016	00.21		Continued.	ID Fan problem, Converted to Zero Schedule By MSEDCL from 00.00hrs/22-9-16. Shutdown taken on 18.10.2016 at 00:00Hrs for Turbine inspection and maintenance work	
MSPGCL	Bhusawal Unit 3	210	16/09/2016	00.02		Continued.	Zero Schedule by MSEDCL	
MSPGCL	Koyana Unit 11	80	24/09/2016	03.20		Continued.	Stator Earth Fault	
IPP	Adani U-1	660	06/11/2016	11.10		Continued.	Coal Shortage	
IPP	RPL(AMT) U-5	270	15/11/2016	20.00		Continued.	Zero schedule	
IPP	JSW (J) U1	300	16/11/2016	14.38		Continued.	Due To CW Duct Leakage.	
IPP	RPL(AMT) U-4	270	16/11/2016	21.03		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-2	270	16/11/2016	22.36		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-1	270	17/11/2016	17.23		Continued.	Zero Schedule.	
MSPGCL	Parli Unit 8	250	18/11/2016	16.23		Continued.	w/dn for balance work.	
MSPGCL	Koradi Unit 10	660	30/11/2016	05.05	11/12/2016	14.08	Loss of fuel	
IPP	JSW (J) U2	300	01/12/2016	00.00		Continued.	No Schedule.	

**State Load Despatch Center,Airoli (MSETCL)      Statement-VI**  
**Details of Generating Unit Outages/Trippings for 11/Dec/2016**

**Position as on 6.30 Hrs of 12/Dec/2016**

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
TPC_G	Trombay 8	250	03/12/2016	23.43		Continued.	Boiler Recertification & LP Turbine Inspection.	
MSPGCL	Nasik Unit 4	210	04/12/2016	11.35	11/12/2016	18.20	to attend the stuck problem of HPCV -2. Converted to zero schedule from 07.12.2016 at 11:30 Hrs	
MSPGCL	Chandrapur Unit 6	500	10/12/2016	12.25	11/12/2016	02.03	Electrical problem operated	
MSPGCL	Nasik Unit 5	210	10/12/2016	23.00	12/12/2016	01.20	Withdrawn on BTL.	
MSPGCL	Parli Unit 7	250	11/12/2016	13.17	11/12/2016	16.46	Drum level low	
MSPGCL	Koradi Unit 10	660	11/12/2016	15.50	11/12/2016	16.16	CT Problem	
MSPGCL	Nasik Unit 3	210	11/12/2016	16.50		Continued.	Boiler Tube Leakage	

**State Load Despatch Center, Airoli (MSETCL)**  
**Details of Line outages/Trippings for 11/Dec/2016**

**Statement-VII**

Position as on 6.30 Hrs of 12/Dec/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
<b>400 KV LINE Outages/Trippings</b>							
Dhule Sar'Sarovar II	InterState	10/12/2016	19.05	11/12/2016	06.49	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	11/12/2016	19.02		Continued.	HT	Over Voltage
karad -kolhapur-I	IntraState	09/12/2016	18.37		Continued.	HT	Over Voltage
Ektuni-Bableswhar ckt II	IntraState	09/12/2016	19.37		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	10/12/2016	18.26		Continued.	HT	Over Voltage
Kalwa - Talegaon(PG)	IntraState	11/12/2016	09.41		Continued.	PO	E/W Replacement & Maintenance Work.
Kalwa - Kharghar	IntraState	11/12/2016	13.27	11/12/2016	14.23	T	Bus Bar Oper. At Kalwa End.
Padghe - Kalwa-II	IntraState	11/12/2016	13.27	11/12/2016	19.18	T	Bus Bar Oper. At Kalwa End.
Main Bus - II @ Kalwa	IntraState	11/12/2016	13.27	11/12/2016	13.46	T	Bus Bar Oper At Kalwa End.
<b>400 KV ICT Outages/Trippings</b>							
400/220kv 315MVA ICT 2 @ Kolhapur	IntraState	10/12/2016	22.43	11/12/2016	00.05	T	PRV Tripped
400/220 Kv 500 MVA ICT-I @Kalwa	IntraState	11/12/2016	13.27	11/12/2016	13.59	T	Bus Bar Oper At Kalwa End.
400/220 Kv 500 MVA ICT-III @Kalwa	IntraState	11/12/2016	13.27	11/12/2016	19.24	T	Bus Bar Oper At Kalwa End.
<b>220 KV LINE Outages/Trippings</b>							
Talandage - Chikodi	InterState	09/12/2016	00.00	11/12/2016	00.01	HT	Hand Tripped
Mudshingi - Chikodi	InterState	09/12/2016	00.00	11/12/2016	00.00	HT	Hand Tripped
Boisar(MS) - Boisar (PG) - I	InterState	11/12/2016	17.37	11/12/2016	18.32	HT	Isolator Maintenance.
Chandrapur GCR - Warora - I	IntraState	05/04/2015	09.13		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumer at Loc no 86 & 107 and de-energising the line bet.86 to 107.
Chandrapur GCR - Wani	IntraState	05/04/2015	09.15		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumer at Loc no 86 & 107 and de-energising the line bet.86 to 107.
Bableswhar- Ranjangaon	IntraState	06/06/2016	07.22		Continued.	HT	Hand Tripped for Ranjangaon End.
Bableswhar -Bhenda	IntraState	24/10/2016	06.57		Continued.	HT	Alephata line loading.
Kalwa - Borivali	IntraState	27/10/2016	08.32		Continued.	HT	Outage availed on 28.10.2016 at 08:09 hrs for construction activity of Mumbai strenghtning work.
Mulund - GIS Bhandup	IntraState	27/10/2016	08.53		Continued.	HT	outage availed on 28.10.2016 at 09:30hrs for construction activity of mumbai strenghtning work.
chandrapur-Tadali	IntraState	06/12/2016	14.34		Continued.	HT	Heavy sparking isolator.
Baramati- Kalyani	IntraState	08/12/2016	10.12		Continued.	PO	Attending Hot Spot
Boisar Versova Line	IntraState	11/12/2016	08.58	11/12/2016	10.03	PO	Due To Bus-1 Outage.
Borivali(M)- Vasai	IntraState	11/12/2016	09.19	11/12/2016	20.25	T	Erection Of Wavetrap.
Boisar-Viraj	IntraState	11/12/2016	11.11	11/12/2016	21.40	PO	Due To Bus-1 Outage.
Nashik-Padgha	IntraState	11/12/2016	17.21		Continued.	T	Tripped On Dp, Y&B Phase Fault.
<b>220 KV ICT Outages/Trippings</b>							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Failed on internal Fault(Now repaired and ready for commissioning)
<b>100 KV LINE Outages/Trippings</b>							
Kalwa-Kalyan	IntraState	11/12/2016	07.52		Continued.	PO	klawa -Borivali EHV Crossing Work.
Kalwa - Mukand 2	IntraState	11/12/2016	09.12		Continued.	PO	Isolator Jaw Replacement Work.
Borivali II - TATA II	IntraState	11/12/2016	16.42	11/12/2016	16.48	HT	Over Voltage

HT : Hand Tripping, MT : Multiple Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage, OO : Opportunity Outage