

**State Load Despatch Center, Airoli (MSETCL) Statement I**  
**Daily system Report for 18/Dec/2016 SUNDAY**

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	141.427	2472.012	1) Gujrat	-1.262	-45.807
2) Hydro	13.561	355.953	2) Madhya Pradesh	7.032	121.929
3) Gas	8.842	170.198	3) Chattisgarh	6.070	130.570
<b>Total MSPGCL</b>	<b>163.830</b>	<b>2998.163</b>	4) Maharashtra Net	107.597	1983.163
B) 1) APLM	49.414	882.232	5) Goa (Amona)	-0.594	-11.760
2) JSWEL	11.431	195.045	<b>Total</b>	<b>118.843</b>	<b>2178.095</b>
3) VIPL	12.015	220.304	a) Mumbai Schedule	18.674	375.467
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	21.490	417.077
5) WPCL	2.664	67.386	c) MSEDCL Bilateral *	36.494	399.995
6) PGPL	0.000	22.259	Include PX	0.000	10.829
7) Other IPP	9.371	164.699	d) Mumbai Bilateral *	18.674	375.467
C) 1) TPCL Thermal	9.008	182.602	Include PX	2.671	60.171
2) TPCL Hydro	1.048	80.595	Include Standby	0.000	0.000
3) TPCL Gas	3.816	70.713	<b>H) ENERGY CATERED (MUs)</b>		
4) R-INFRA Thermal	10.313	188.714	1) MSEDCL	352.041	6505.547
D) STATE			2) Mumbai Discoms	45.675	939.696
1) Thermal	245.643	4372.994	<b>TOTAL STATE</b>	<b>397.716</b>	<b>7445.243</b>
(A1+C1+C4+(B1-B6))					
2) Hydro	14.609	436.548			
(A2+C2)					
3) Gas	12.658	263.170			
(A3+B6+C3)					
4) Wind	4.710	173.284			
6) SOLAR	1.253	21.157			
<b>TOTAL STATE</b>	<b>278.873</b>	<b>5267.153</b>			

\* Displayed for information, not added in total.

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

PARTICULARS	A. Morning Peak at 12 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 24 Hrs
MSPGCL Thermal	6458	6442	5458	5468
MSPGCL Hydro	1548	1517	613	85
MSPGCL Gas	338	341	401	451
MSPGCL Total Generation	8344	8300	6472	6004
Central Sector Receipt	5497	5485	5094	3610
WIND	123	55	108	181
CPP / IPP Thermal	3838	3768	3630	3235
CPP / IPP Gas	0	0	0	0
SOLAR	180	188	0	0
Exchange with Mumbai	-920	-878	-983	-1058
<b>MSEDCL DEMAND MET</b>	<b>17062</b>	<b>16918</b>	<b>14321</b>	<b>11972</b>
Load Shedding	0	0	0	0
MSEDCL DEMAND	17062	16918	14321	11972
TPCL GENERATION	729	729	692	472
R-INFRA GENERATION	508	507	385	386
<b>MUMBAI DEMAND</b>	<b>2157</b>	<b>2114</b>	<b>2060</b>	<b>1916</b>
STATE DEMAND MET	19219	19032	16381	13888
<b>STATE DEMAND</b>	<b>19219</b>	<b>19032</b>	<b>16381</b>	<b>13888</b>
Frequency (Hz)	49.95	49.95	49.99	50.01

**FREQUENCY PARTICULARS**

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.21 Hz at 17.02 Hrs	49.77 Hz at 07.19 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 18/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	3.85	37.93	170	140
Unit 8	0.00	144.07	0	0
Unit 9	8.45	166.41	363	342
<b>Total</b>	<b>12.30</b>	<b>348.41</b>		
<b>Bhusawal</b>				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	10.33	183.78	505	360
Unit 5	10.37	181.76	510	360
<b>Total</b>	<b>20.70</b>	<b>365.53</b>		
<b>Parli</b>				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.30	93.60	250	191
Unit 7	5.17	91.02	248	180
Unit 8	0.00	0.00	0	0
<b>Total</b>	<b>10.47</b>	<b>184.61</b>		
<b>Chandrapur</b>				
Unit 3	4.35	68.36	200	163
Unit 4	4.05	78.78	180	163
Unit 5	9.82	174.25	460	365
Unit 6	9.52	111.47	450	353
Unit 7	8.90	167.51	395	340
Unit 8	10.02	136.60	488	360
Unit 9	9.27	88.94	429	337
<b>Total</b>	<b>55.92</b>	<b>825.91</b>		
<b>Paras</b>				
Unit 3	0.00	0.00	0	0
Unit 4	5.29	95.81	255	189
<b>Total</b>	<b>5.29</b>	<b>95.81</b>		
<b>Khaparkheda</b>				
Unit 1	4.22	66.66	205	160
Unit 2	4.24	76.64	200	160
Unit 3	4.31	78.53	203	160
Unit 4	4.22	76.48	193	161
Unit 5	10.45	193.95	500	370
<b>Total</b>	<b>27.44</b>	<b>492.27</b>		
<b>Nasik</b>				
Unit 3	0.00	45.35	0	0
Unit 4	4.25	44.51	199	162
Unit 5	4.22	57.79	200	165
<b>Total</b>	<b>8.47</b>	<b>147.65</b>		
<b>Uran</b>				
All Units	8.84	170.20	452	329
<b>Total</b>	<b>8.84</b>	<b>170.20</b>		
<b>PGPL</b>				
Unit 1	0.00	13.77	0	0
Unit 2	0.00	8.49	0	0
<b>Total</b>	<b>0.00</b>	<b>22.26</b>		
<b>PENCH (MS)</b>				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.02	4.29	18	0
<b>Total</b>	<b>0.02</b>	<b>4.29</b>		
<b>Koyna</b>				
Stage 1-2	4.24	101.84	545	40
Stage 4	3.81	132.74	446	0
Stage 3	2.03	49.98	240	0
<b>Total</b>	<b>10.08</b>	<b>284.56</b>		
<b>Hydro</b>				
KDPH	0.00	7.71	0	0
VTRNA	0.44	7.70	60	0
TILLARI	0.00	5.64	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.16	4.73	77	0
RNGR+BHTSA	0.37	5.91	16	15
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.72	12.17	31	30
GHATGHAR	1.80	27.54	250	0
<b>Total</b>	<b>3.48</b>	<b>71.39</b>		
<b>Wind</b>				
Total	4.71	173.28	0	0
<b>Total</b>	<b>4.71</b>	<b>173.28</b>		
<b>CPP</b>				
APML(Mus)	49.41	882.23	0	0
JSWEL(Mus)	11.43	195.04	0	0
VIPL(Mus)	12.02	220.30	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	2.66	67.39	0	0
Other(Mus)	9.37	164.70	0	0
<b>Total</b>	<b>84.90</b>	<b>1529.67</b>		
<b>SOLAR</b>				
Total	1.25	21.16	0	0
<b>Total</b>	<b>1.25</b>	<b>21.16</b>		
<b>Tata</b>				
Trombay 5	9.01	167.20	469	314
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.34	43.97	115	75
Trombay 7B	1.47	26.74	68	54
Trombay 8	0.00	15.40	0	0
TATA Hydro	1.05	80.60	198	7
<b>Total</b>	<b>13.87</b>	<b>333.91</b>		
<b>R-INFRA</b>				
1-2	10.31	188.71	510	385
<b>Total</b>	<b>10.31</b>	<b>188.71</b>		

* Infirm Power		
Particulars	Daily (Mus)	Monthly
Koradi 10	0.84	11.82

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	141.43	2472.01
MSPGCL Thml+Gas	150.27	2642.21
MSPGCL Hydro	13.56	355.95

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	163.83	2998.16
Koyna 1,2 & 4 Total	8.05	234.58
State Total	278.87	5267.15

# State Load Despatch Center, Airoli (MSETCL)

# Annexure-2

## Hourly Load Data As on 18/Dec/2016

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDING	MSEDCL DEM. WITH LS	MUMBAI DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS										
1	5330	142	340	5812	285	3216	0	0	4496	4509	-1017	12805	0	12805	1854	14659	49.96
2	5341	87	340	5768	271	3215	0	0	4428	4590	-899	12945	0	12945	1736	14681	49.96
3	5345	92	349	5786	283	3202	0	0	4408	4270	-801	12740	0	12740	1632	14372	49.97
4	5370	116	348	5834	334	3222	0	0	4395	4282	-761	12911	0	12911	1598	14509	49.92
5	5362	261	350	5973	345	3218	0	0	4299	4443	-747	13232	0	13232	1585	14817	49.96
6	6002	226	353	6581	336	3348	0	0	4759	4403	-790	13878	0	13878	1630	15508	50.05
7	6356	125	355	6836	328	3722	0	0	5198	4757	-791	14852	0	14852	1674	16526	50.02
8	6395	606	364	7365	337	3790	0	11	5478	5595	-742	16356	0	16356	1693	18049	49.92
9	6417	1196	365	7978	289	3769	0	70	5466	5579	-654	17031	0	17031	1814	18845	49.93
10	6479	1478	353	8310	259	3764	0	123	5470	5381	-759	17078	0	17078	1974	19052	49.95
11	6434	1510	347	8291	200	3763	0	164	5478	5500	-795	17123	0	17123	2062	19185	49.92
12	6458	1548	338	8344	123	3838	0	180	5516	5497	-920	17062	0	17062	2157	19219	49.95
13	6442	1517	341	8300	55	3768	0	188	5601	5485	-878	16918	0	16918	2114	19032	49.95
14	6410	1044	339	7793	34	3751	0	178	5668	5703	-810	16649	0	16649	1995	18644	49.99
15	6432	890	341	7663	30	3752	0	154	5715	5669	-775	16493	0	16493	1970	18463	50.00
16	6445	807	329	7581	36	3796	0	116	5782	5850	-737	16642	0	16642	1946	18588	49.98
17	6104	308	340	6752	25	3794	0	56	5867	5858	-870	15615	0	15615	1928	17543	49.95
18	5519	95	339	5953	38	3649	0	13	5551	5540	-1008	14185	0	14185	1936	16121	49.99
19	5458	613	401	6472	108	3630	0	0	4985	5094	-983	14321	0	14321	2060	16381	49.99
20	5452	369	427	6248	126	3630	0	0	5038	5187	-1167	14024	0	14024	2158	16182	49.97
21	5472	195	452	6119	235	3364	0	0	4397	4486	-1167	13037	0	13037	2134	15171	49.97
22	5455	160	431	6046	224	3237	0	0	4087	3986	-1179	12314	0	12314	2073	14387	50.01
23	5481	91	449	6021	228	3220	0	0	4045	3569	-1182	11856	0	11856	2036	13892	49.98
24	5468	85	451	6004	181	3235	0	0	3563	3610	-1058	11972	0	11972	1916	13888	50.01
<b>MUs</b>	<b>141.43</b>	<b>13.56</b>	<b>8.84</b>	<b>163.83</b>	<b>4.71</b>	<b>84.90</b>	<b>0.00</b>	<b>1.25</b>	<b>119.69</b>	<b>118.84</b>	<b>-21.49</b>	<b>352.04</b>	<b>0.00</b>	<b>352.04</b>	<b>45.67</b>	<b>397.72</b>	<b>49.97</b>

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 18/Dec/2016**

Position as on 6.30 Hrs of 19/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	
MSPGCL	Koradi Unit-8	660	12/12/2016	23.59		Continued.	Annual Overhaul	
<b>FORCED OUTAGE</b>								
RGPPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPPL	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	09/07/2015	00.00		Continued.	EE R&M LE Work	
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	Parli Unit 5	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Parli Unit 4	210	01/04/2016	00.00		Continued.	Economic shutdown	
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	
RGPPL	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	Koyna 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.	
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 18/Dec/2016**

Position as on 6.30 Hrs of 19/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 3	210	11/12/2016	16.50		Continued.	Boiler Tube Leakage	
MSPGCL	Uran Unit B0	120	13/12/2016	16.25	18/12/2016	18.07	Gas shortage	
MSPGCL	Koradi Unit 10	660	16/12/2016	13.07	18/12/2016	16.32	Main Steam Line Leakage	
CPP	WPCL U-3	135	16/12/2016	17.12	19/12/2016	05.30	Electrical Problem.	
PGPL	PGPL U1	262	16/12/2016	19.30	19/12/2016	03.59	No schedule.	
PGPL	PGPL U2	126	16/12/2016	19.31	19/12/2016	05.00	No schedule.	
MSPGCL	Koradi Unit 10	660	19/12/2016	00.01	19/12/2016	03.00	RE HEATER TEMPERATURE HIGH.	

**State Load Despatch Center, Airoli (MSETCL)**  
**Details of Line outages/Trippings for 18/Dec/2016**

**Statement-VII**

Position as on 6.30 Hrs of 19/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 I	InterState	17/12/2016	18.07	18/12/2016	07.39	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	18/12/2016	17.26	19/12/2016	06.02	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	18/12/2016	18.05	19/12/2016	06.15	HT	Over Voltage
Ektuni-Bableswhar ckt I	IntraState	17/12/2016	07.47		Continued.	HT	Over Voltage
karad -kolhapur-I	IntraState	17/12/2016	17.07		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	17/12/2016	20.04	18/12/2016	06.23	HT	Over Voltage
Jaigad-Karad Ckt-II	IntraState	17/12/2016	20.23		Continued.	HT	Over Voltage
Jejuri- Koynastage-IV	IntraState	18/12/2016	09.58	18/12/2016	17.45	PO	REMOVING TEMPORARY BUNCHING ARRANGEMENT.
Lonikand I - Koyna stage-IV	IntraState	18/12/2016	10.10		Continued.	PO	REMOVING TEMPORARY BUNCHING ARRANGEMENT.
<b>400 KV ICT Outages/Trippings</b>							
400/220KV 500MVA ICT-I @Nanded	IntraState	18/12/2016	15.09	18/12/2016	16.39	PO	Attending Oil Leakage
<b>220 KV LINE Outages/Trippings</b>							
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 on28.10.2016 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.
Lonand-Baramati	IntraState	15/12/2016	10.57		Continued.	PO	Replacement of Flashover String.
Amalner - Bambhori	IntraState	15/12/2016	19.06		Continued.	T	Distance Protection
Kalwa - Mulund 1	IntraState	17/12/2016	08.16		Continued.	PO	Dismantling Of Old Tower And Stringing Of Lilo At Loc No.10
Bus Coupler @ Kalwa	IntraState	17/12/2016	09.13		Continued.	PO	Isolator Alignment Work.
Padghe-Kamba II	IntraState	18/12/2016	07.55	18/12/2016	10.12	PO	Attending Oil Leakage
Borivali(M)- Vasai	IntraState	18/12/2016	09.53	18/12/2016	13.05	PO	LA REPLACEMENT WORK.
<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)
220/100 Kv 50 Mva Gec Ict 1 @Kandalgaon	IntraState	15/12/2016	12.15		Continued.	PO	Augumentation Work(Outage for 3 Months).

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