

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 24/Dec/2016 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	136.084	3312.554	1) Gujrat	-3.560	-67.579
2) Hydro	20.991	471.801	2) Madhya Pradesh	11.768	170.439
3) Gas	10.924	233.021	3) Chattisgarh	8.170	176.340
Total MSPGCL	167.999	4017.376	4) Maharashtra Net	112.684	2650.299
B) 1) APML	39.173	1142.666	5) Goa (Amona)	-0.708	-15.734
2) JSWEL	11.560	264.539	Total	128.354	2913.765
3) VIPL	7.221	283.515	a) Mumbai Schedule	16.558	494.980
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	17.784	549.415
5) WPCL	3.875	91.900	c) MSEDCL Bilateral *	35.000	593.878
6) PGPL	0.000	27.691	Include PX	1.023	11.244
7) Other IPP	9.093	218.829	d) Mumbai Bilateral *	16.558	494.980
C) 1) TPCL Thermal	14.266	255.078	Include PX	4.174	77.068
2) TPCL Hydro	2.215	103.071	Include Standby	0.000	0.000
3) TPCL Gas	4.106	95.647	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.503	251.334	1) MSEDCL	353.340	8640.559
D) STATE			2) Mumbai Discoms	48.874	1254.542
1) Thermal	231.775	5820.415	TOTAL STATE	402.214	9895.101
(A1+C1+C4+(B1-B6))					
2) Hydro	23.206	574.872			
(A2+C2)					
3) Gas	15.030	356.359			
(A3+B6+C3)					
4) Wind	2.568	200.796			
6) SOLAR	1.281	28.897			
TOTAL STATE	273.860	6981.339			

* 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 3 Hrs
MSPGCL Thermal	6176	6148	5493	5185
MSPGCL Hydro	1934	1891	641	153
MSPGCL Gas	452	426	437	470
MSPGCL Total Generation	8562	8465	6571	5808
Central Sector Receipt	6449	6154	5924	4119
WIND	73	63	46	186
CPP / IPP Thermal	3100	3079	3075	2706
CPP / IPP Gas	0	0	0	0
SOLAR	186	182	2	0
Exchange with Mumbai	-881	-876	-1220	-457
MSEDCL DEMAND MET	17489	17067	14398	12362
Load Shedding	0	0	0	0
MSEDCL DEMAND	17489	17067	14398	12362
TPCL GENERATION	1087	1035	793	673
R-INFRA GENERATION	508	510	386	387
MUMBAI DEMAND	2476	2421	2399	1517
STATE DEMAND MET	19965	19488	16797	13879
STATE DEMAND	19965	19488	16797	13879
Frequency (Hz)	49.99	49.96	49.98	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.23 Hz at 21.57 Hrs	49.78 Hz at 15.13 Hrs	49.98	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 24/Dec/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	0.00	0.00	0	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	41.25	0	0
Unit 8	0.00	144.07	0	0
Unit 9	8.74	217.51	408	345
Total	8.74	402.82		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	10.36	245.65	505	350
Unit 5	10.36	243.66	510	355
Total	20.72	489.31		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.32	124.98	250	193
Unit 7	5.26	122.01	248	187
Unit 8	0.00	0.00	0	0
Total	10.57	247.00		
Chandrapur				
Unit 3	4.34	94.45	195	165
Unit 4	4.27	104.10	192	170
Unit 5	9.65	233.45	445	363
Unit 6	9.67	170.27	440	357
Unit 7	8.97	222.15	414	328
Unit 8	9.28	192.47	480	333
Unit 9	9.23	144.37	413	342
Total	55.40	1161.26		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.33	127.73	258	190
Total	5.33	127.73		
Khaparkheda				
Unit 1	4.12	91.42	195	155
Unit 2	4.10	101.54	200	150
Unit 3	4.28	104.03	201	160
Unit 4	4.20	101.60	194	161
Unit 5	10.53	257.14	500	370
Total	27.23	655.74		
Nasik				
Unit 3	0.00	45.35	0	0
Unit 4	3.95	68.97	197	0
Unit 5	4.14	82.36	196	162
Total	8.09	196.68		
Uran				
All Units	10.92	233.02	483	423
Total	10.92	233.02		
PGPL				
Unit 1	0.00	17.05	0	0
Unit 2	0.00	10.64	0	0
Total	0.00	27.69		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.11	5.03	34	0
Total	0.11	5.03		
Koyna				
Stage 1-2	5.22	131.63	455	40
Stage 4	9.40	178.36	982	0
Stage 3	2.95	66.05	240	0
Total	17.57	376.04		
Hydro				
KDPH	0.00	10.26	0	0
VTRNA	0.45	10.32	60	0
TILLARI	0.00	5.64	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.09	6.08	40	0
RNGR+BHTSA	0.36	8.10	16	15
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.64	16.69	27	26
GHATGHAR	1.88	38.68	250	0
Total	3.42	95.76		
Wind				
Total	2.57	200.80	0	0
Total	2.57	200.80		
CPP				
APML(Mus)	39.17	1142.67	0	0
JSWEL(Mus)	11.56	264.54	0	0
VIPL(Mus)	7.22	283.52	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	3.88	91.90	0	0
Other(Mus)	9.09	218.83	0	0
Total	70.92	2001.45		
SOLAR				
Total	1.28	28.90	0	0
Total	1.28	28.90		
Tata				
Trombay 5	9.09	221.79	474	314
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.57	59.60	120	90
Trombay 7B	1.54	36.05	67	58
Trombay 8	5.18	33.29	249	200
TATA Hydro	2.22	103.07	220	12
Total	20.59	453.80		
R-INFRA				
1-2	10.50	251.33	510	386
Total	10.50	251.33		

* Infirm Power		
Particulars	Daily (Mus)	Monthly
Koradi 10	0.00	32.02

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	136.08	3312.55
MSPGCL Thml+Gas	147.01	3545.58
MSPGCL Hydro	20.99	471.80

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	168.00	4017.38
Koyna 1,2 & 4 Total	14.63	309.99
State Total	273.86	6981.34

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 24/Dec/2016

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	5170	488	470	6128	199	2713	0	0	4214	3960	-656	12344	0	12344	1736	14080	49.95
2	5193	313	478	5984	197	2720	0	0	4379	4003	-518	12386	0	12386	1597	13983	49.95
3	5185	153	470	5808	186	2706	0	0	4462	4119	-457	12362	0	12362	1517	13879	49.98
4	5170	83	475	5728	197	2701	0	0	4459	4232	-418	12440	0	12440	1476	13916	49.98
5	5165	263	472	5900	207	2780	0	0	4592	4663	-412	13138	0	13138	1471	14609	49.99
6	5428	437	471	6336	216	2921	0	0	5077	5058	-538	13993	0	13993	1596	15589	50.00
7	5977	347	471	6795	222	3101	0	0	5486	5437	-563	14992	0	14992	1659	16651	49.99
8	6096	1274	483	7853	169	3114	0	10	5487	5758	-319	16585	0	16585	1731	18316	49.95
9	6125	1916	479	8520	88	3103	0	71	5643	5918	-534	17166	0	17166	1981	19147	49.97
10	6124	1801	472	8397	82	3092	0	122	6061	6202	-577	17318	0	17318	2172	19490	49.98
11	6163	1977	441	8581	80	3101	0	160	6152	6007	-827	17102	0	17102	2417	19519	49.98
12	6176	1934	452	8562	73	3100	0	186	6201	6449	-881	17489	0	17489	2476	19965	49.99
13	6148	1891	426	8465	63	3079	0	182	5884	6154	-876	17067	0	17067	2421	19488	49.96
14	6109	1557	423	8089	51	3038	0	179	5827	5895	-725	16527	0	16527	2290	18817	50.01
15	6214	1531	424	8169	37	3059	0	160	6048	5806	-723	16508	0	16508	2295	18803	49.99
16	6141	1566	438	8145	36	3060	0	126	6051	5988	-717	16638	0	16638	2293	18931	49.94
17	6112	1043	426	7581	32	3047	0	72	5928	6077	-706	16103	0	16103	2277	18380	49.98
18	5836	364	443	6643	39	3049	0	11	5826	5788	-920	14610	0	14610	2273	16883	49.99
19	5493	641	437	6571	46	3075	0	2	5894	5924	-1220	14398	0	14398	2399	16797	49.98
20	5371	566	449	6386	71	3031	0	0	5787	5841	-1208	14121	0	14121	2423	16544	49.99
21	5249	333	460	6042	77	2902	0	0	5180	5251	-1116	13156	0	13156	2323	15479	49.99
22	5228	258	453	5939	82	2882	0	0	4768	4718	-1104	12517	0	12517	2181	14698	50.05
23	5213	169	466	5848	72	2839	0	0	4559	4340	-977	12122	0	12122	2027	14149	49.98
24	4998	86	445	5529	46	2715	0	0	4484	4766	-792	12264	0	12264	1843	14107	49.99
MUs	136.08	20.99	10.92	168.00	2.57	70.92	0.00	1.28	128.45	128.35	-17.78	353.34	0.00	353.34	48.87	402.21	49.98

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 24/Dec/2016

Position as on 6.30 Hrs of 25/Dec/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
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	
FORCED OUTAGE								
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	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	
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	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 24/Dec/2016

Position as on 6.30 Hrs of 25/Dec/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Nasik Unit 3	210	11/12/2016	16.50		Continued.	Boiler Tube Leakage	
MSPGCL	Koradi Unit 7	210	19/12/2016	21.52		Continued.	Zero Schedule BY MSEDCL	
PGPL	PGPL U1	262	20/12/2016	18.30		Continued.	No Schedule	
PGPL	PGPL U2	126	20/12/2016	18.32		Continued.	No Schedule	
IPP	Adani U-2	660	21/12/2016	11.02		Continued.	Air preheater problem	
CENT.SECTOR	Tarapur 1	160	21/12/2016	17.06	25/12/2016	12.59	Condenser Leakage	
MSPGCL	Koradi Unit 10	660	22/12/2016	13.10		Continued.	Main steam line leakage.	
MSPGCL	Nasik Unit 4	210	24/12/2016	23.02	25/12/2016	04.30	Stator Earth Fault	
MSPGCL	Paras Unit 4	250	25/12/2016	07.19	25/12/2016	09.13	Furnace Pressure High	
MSPGCL	Chandrapur Unit 5	500	25/12/2016	07.44		Continued.	Economizer Tube Leakage.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 24/Dec/2016

Statement-VII

Position as on 6.30 Hrs of 25/Dec/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400 KV LINE Outages/Trippings							
Dhule Sar'Sarovar II	InterState	23/12/2016	17.26	24/12/2016	07.07	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	23/12/2016	21.59	24/12/2016	07.06	T	Over Voltage
Dhule Sar'Sarovar II	InterState	24/12/2016	17.51	25/12/2016	07.38	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	25/12/2016	17.23		Continued.	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	25/12/2016	21.42		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	23/12/2016	17.00	24/12/2016	09.31	HT	Over Voltage
karad -kolhapur-II	IntraState	23/12/2016	17.07	24/12/2016	09.28	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	23/12/2016	18.39	24/12/2016	06.42	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	23/12/2016	21.48	24/12/2016	06.47	HT	Over Voltage
Bus Coupler @ Kharghar	IntraState	24/12/2016	10.14	24/12/2016	12.21	PO	CT Oil Leakage Attendin Work.
Chandrapur - Khaperkheda	IntraState	24/12/2016	14.03	25/12/2016	07.15	EO	Attending Hot Spot
Jaigad-New Koyna Ckt-I	IntraState	24/12/2016	16.32	24/12/2016	17.07	T	Over Voltage
Karad - Jaigad - II	IntraState	24/12/2016	16.33	25/12/2016	09.21	T	Over Voltage
karad -kolhapur-I	IntraState	24/12/2016	17.12	25/12/2016	09.19	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	24/12/2016	17.47	25/12/2016	07.05	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	24/12/2016	22.09	25/12/2016	09.17	HT	Over Voltage
Chandrapur2-Parali 2 ckt 2	IntraState	25/12/2016	12.48	25/12/2016	16.53	PO	Line Maintenance work
karad -kolhapur-II	IntraState	25/12/2016	16.32		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	25/12/2016	16.36		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	25/12/2016	17.16		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	25/12/2016	20.47		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33 kV 315 MVA ICT-I @Chandrapur	IntraState	21/12/2016	16.31		Continued.	EO	Oil leakage on bushing.
400/220 Kv 500 MVA ICT-I @Kalwa	IntraState	25/12/2016	08.50	25/12/2016	20.14	PO	Routine Maintenance Work
220 KV LINE Outages/Trippings							
Talandage - Chikodi	InterState	25/12/2016	00.46	25/12/2016	01.31	T	Distance Protection
Mudshingi Chikodi	InterState	25/12/2016	00.50	25/12/2016	01.20	T	Tripped only chikodi end
Tillari Amona	InterState	25/12/2016	20.27	25/12/2016	22.30	T	Over Voltage
Mahalakshmi Amona	InterState	25/12/2016	20.27	25/12/2016	22.30	T	Over Voltage
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.
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.
karad - Dasgaon	IntraState	20/12/2016	09.37		Continued.	PO	Construction Work.
Vita - Mhaishal	IntraState	24/12/2016	00.47	24/12/2016	14.38	T	Distance Protection
Ranjangaon-Fiat 1	IntraState	24/12/2016	07.05	24/12/2016	15.01	PO	Testing & Maintenance Work.
Ranjangaon-Fiat 2	IntraState	24/12/2016	07.05	24/12/2016	15.01	PO	Testing & Maintenance Work.
Pigasus-Hinjewadi-II	IntraState	24/12/2016	09.48	24/12/2016	17.07	PO	Line Maintenance work

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

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/Dec/2016

Statement-VII

Position as on 6.30 Hrs of 25/Dec/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Bableshtar - Ahamadnagar-I	IntraState	24/12/2016	11.23	24/12/2016	18.47	PO	Attending Low Ground Clearance At Two Location.
Pophali - Nerale	IntraState	24/12/2016	12.24	25/12/2016	17.53	T	Main Bus To Stub Conductor Broken B-Phase In Pophali Yard.
Bapgaon - Kalwa	IntraState	24/12/2016	19.26	24/12/2016	19.57	T	Distance Protection
Nasik - Raymond	IntraState	25/12/2016	12.07	25/12/2016	13.43	PO	CTR FIRE FIGHTING PROTECTION SYSTEM MAINTENANCE WORK.
Pophali - New Koyana	IntraState	25/12/2016	13.32	25/12/2016	17.40	PO	Line Maintenance work
220 KV ICT Outages/Trippings							
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	Augmentation Work(Outage for 3 Months).
220/132 Kv 200 Mva Emco Ict 2 @Raymond (Nasik 2)	IntraState	24/12/2016	14.25	24/12/2016	16.02	PO	Fire Protection System Maintenance Work.
132 KV LINE Outages/Trippings							
Daund-Alegaon	IntraState	25/12/2016	07.30		Continued.	PO	CONSTRUCTION WORK.

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