

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 16/Dec/2016 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	134.672	2190.152	1) Gujrat	-1.373	-42.595
2) Hydro	17.153	319.992	2) Madhya Pradesh	7.508	106.371
3) Gas	6.639	154.531	3) Chattisgarh	6.750	117.440
Total MSPGCL	158.464	2664.675	4) Maharashtra Net	116.093	1770.587
B) 1) APML	45.124	785.339	5) Goa (Amona)	-0.686	-10.504
2) JSWEL	10.225	172.895	Total	128.292	1941.299
3) VIPL	12.117	195.880	a) Mumbai Schedule	23.203	336.026
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	27.557	370.020
5) WPCL	3.499	62.045	c) MSEDCL Bilateral *	33.168	332.242
6) PGPL	3.035	22.259	Include PX	1.031	11.069
7) Other IPP	9.358	146.146	d) Mumbai Bilateral *	23.203	336.026
C) 1) TPCL Thermal	9.172	164.196	Include PX	5.370	54.752
2) TPCL Hydro	5.418	74.991	Include Standby	0.000	0.000
3) TPCL Gas	3.890	63.204	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.462	167.850	1) MSEDCL	352.050	5804.090
D) STATE			2) Mumbai Discoms	56.499	840.256
1) Thermal	234.629	3884.503	TOTAL STATE	408.549	6644.346
(A1+C1+C4+(B1-B6))					
2) Hydro	22.571	394.983			
(A2+C2)					
3) Gas	13.564	239.994			
(A3+B6+C3)					
4) Wind	8.376	164.872			
6) SOLAR	1.117	18.700			
TOTAL STATE	280.257	4703.052			

* 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	6261	6208	5027	5140
MSPGCL Hydro	1131	1249	1020	110
MSPGCL Gas	273	272	272	281
MSPGCL Total Generation	7665	7729	6319	5531
Central Sector Receipt	6198	5949	5927	3952
WIND	270	202	239	719
CPP / IPP Thermal	3524	3509	3332	3221
CPP / IPP Gas	230	231	196	0
SOLAR	163	173	0	0
Exchange with Mumbai	-1285	-1339	-1445	-849
MSEDCL DEMAND MET	16765	16454	14568	12574
Load Shedding	0	0	0	0
MSEDCL DEMAND	16765	16454	14568	12574
TPCL GENERATION	1113	1054	948	431
R-INFRA GENERATION	509	508	386	386
MUMBAI DEMAND	2907	2901	2779	1666
STATE DEMAND MET	19672	19355	17347	14240
STATE DEMAND	19672	19355	17347	14240
Frequency (Hz)	49.93	49.97	49.97	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 13.03 Hrs	49.71 Hz at 17.14 Hrs	49.96	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 16/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	3.86	30.25	170	155
Unit 8	0.00	144.07	0	0
Unit 9	8.40	149.68	356	326
Total	12.26	324.00		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	10.14	163.30	505	350
Unit 5	10.15	161.10	500	360
Total	20.29	324.41		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.28	83.04	250	190
Unit 7	5.15	80.85	245	180
Unit 8	0.00	0.00	0	0
Total	10.42	163.89		
Chandrapur				
Unit 3	4.37	59.56	202	164
Unit 4	4.32	70.34	193	168
Unit 5	9.82	154.56	465	355
Unit 6	9.62	92.19	450	360
Unit 7	9.27	149.20	419	354
Unit 8	10.51	116.65	500	369
Unit 9	0.10	71.42	95	0
Total	48.01	713.93		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.20	85.34	250	189
Total	5.20	85.34		
Khaparkheda				
Unit 1	4.18	58.24	195	155
Unit 2	4.24	68.12	200	160
Unit 3	4.30	69.89	203	160
Unit 4	4.21	68.06	193	162
Unit 5	10.48	172.73	500	370
Total	27.42	437.04		
Nasik				
Unit 3	0.00	45.35	0	0
Unit 4	4.24	35.94	202	162
Unit 5	4.25	49.26	198	165
Total	8.49	130.56		
Uran				
All Units	6.64	154.53	292	257
Total	6.64	154.53		
PGPL				
Unit 1	1.86	13.77	144	0
Unit 2	1.17	8.49	90	0
Total	3.04	22.26		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.20	4.09	49	0
Total	0.20	4.09		
Koyna				
Stage 1-2	5.78	91.08	530	40
Stage 4	5.20	119.91	505	0
Stage 3	2.01	44.67	240	0
Total	12.98	255.67		
Hydro				
KDPH	0.44	7.49	19	18
VTRNA	0.45	6.83	59	0
TILLARI	0.00	5.64	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.32	4.27	80	0
RNGR+BHTSA	0.37	5.17	16	15
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.78	10.72	43	30
GHATGHAR	1.80	24.20	250	0
Total	4.17	64.32		
Wind				
Total	8.38	164.87	0	0
Total	8.38	164.87		
CPP				
APML(Mus)	45.12	785.34	0	0
JSWEL(Mus)	10.22	172.90	0	0
VIPL(Mus)	12.12	195.88	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	3.50	62.04	0	0
Other(Mus)	9.36	146.15	0	0
Total	80.32	1362.30		
SOLAR				
Total	1.12	18.70	0	0
Total	1.12	18.70		
Tata				
Trombay 5	9.17	148.80	472	313
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.40	39.38	115	65
Trombay 7B	1.50	23.82	68	50
Trombay 8	0.00	15.40	0	0
TATA Hydro	5.42	74.99	459	0
Total	18.48	302.39		
R-INFRA				
1-2	10.46	167.85	510	385
Total	10.46	167.85		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
Koradi 10	2.57	10.98	MSPGCL Thermal	134.67	2190.15	MSPGCL Total	158.46	2664.68
			MSPGCL Thml+Gas	141.31	2344.68	Koyna 1,2 & 4 Total	10.98	211.00
			MSPGCL Hydro	17.15	319.99	State Total	280.26	4703.05

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 16/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	5184	275	280	5739	547	3213	0	0	4144	4381	-1082	12798	0	12798	1898	14696	49.98
2	5155	120	281	5556	653	3229	0	0	4337	4133	-935	12636	0	12636	1752	14388	49.99
3	5140	110	281	5531	719	3221	0	0	4302	3952	-849	12574	0	12574	1666	14240	49.99
4	5158	110	282	5550	658	3217	0	0	4051	4117	-799	12743	0	12743	1616	14359	49.99
5	5151	105	281	5537	679	3225	30	0	4148	4438	-790	13119	0	13119	1608	14727	49.94
6	5419	170	282	5871	654	3248	83	0	4842	5066	-856	14066	0	14066	1685	15751	50.00
7	5987	255	292	6534	606	3366	163	0	5579	5469	-957	15181	0	15181	1906	17087	49.98
8	6323	941	281	7545	504	3410	221	9	5575	5547	-718	16518	0	16518	2029	18547	49.90
9	6311	1107	292	7710	374	3399	230	62	5761	5995	-921	16849	0	16849	2340	19189	49.90
10	6327	1549	287	8163	345	3404	230	105	5787	5850	-1148	16949	0	16949	2717	19666	49.93
11	6313	1351	277	7941	341	3438	231	162	5862	5703	-1232	16584	0	16584	2842	19426	49.93
12	6261	1131	273	7665	270	3524	230	163	5797	6198	-1285	16765	0	16765	2907	19672	49.93
13	6208	1249	272	7729	202	3509	231	173	5794	5949	-1339	16454	0	16454	2901	19355	49.97
14	6029	1378	273	7680	151	3490	230	161	5775	5889	-1232	16369	0	16369	2748	19117	50.01
15	6078	1312	267	7657	132	3528	231	138	5809	5884	-1234	16336	0	16336	2786	19122	49.96
16	6103	1214	257	7574	154	3532	231	97	6006	5921	-1248	16261	0	16261	2792	19053	49.94
17	6040	822	267	7129	197	3529	231	40	5957	5946	-1234	15838	0	15838	2770	18608	49.91
18	5299	358	271	5928	176	3447	231	7	5933	5874	-1398	14265	0	14265	2742	17007	49.94
19	5027	1020	272	6319	239	3332	196	0	5765	5927	-1445	14568	0	14568	2779	17347	49.97
20	5016	777	272	6065	224	3309	36	0	5989	5918	-1423	14129	0	14129	2707	16836	49.99
21	4995	246	275	5516	194	3300	0	0	5895	5768	-1346	13432	0	13432	2549	15981	49.97
22	5018	300	276	5594	133	3156	0	0	5239	5177	-1445	12615	0	12615	2373	14988	49.99
23	5040	590	274	5904	111	3152	0	0	4345	4630	-1357	12440	0	12440	2262	14702	49.95
24	5090	663	274	6027	113	3142	0	0	4509	4560	-1284	12558	0	12558	2124	14682	49.97
MUs	134.67	17.15	6.64	158.46	8.38	80.32	3.04	1.12	127.20	128.29	-27.56	352.05	0.00	352.05	56.50	408.55	49.96

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 16/Dec/2016

Position as on 6.30 Hrs of 17/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 16/Dec/2016

Position as on 6.30 Hrs of 17/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	Chandrapur Unit 9	500	12/12/2016	22.07	16/12/2016	22.50	Boiler Tube Leakage	
MSPGCL	Uran Unit 7	108	13/12/2016	16.24		Continued.	Gas shortage	
MSPGCL	Uran Unit B0	120	13/12/2016	16.25		Continued.	Gas shortage	
PGPL	PGPL U2	126	15/12/2016	19.30	16/12/2016	04.57	No Schedule	
PGPL	PGPL U1	262	15/12/2016	19.30	16/12/2016	03.58	No Schedule	
MSPGCL	Koradi Unit 10	660	16/12/2016	13.07		Continued.	Main Steam Line Leakage	
CPP	WPCL U-3	135	16/12/2016	17.12		Continued.	Electrical Problem.	
PGPL	PGPL U1	262	16/12/2016	19.30		Continued.	No schedule.	
PGPL	PGPL U2	126	16/12/2016	19.31		Continued.	No schedule.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Dec/2016

Statement-VII

Position as on 6.30 Hrs of 17/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	15/12/2016	20.11	16/12/2016	07.13	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	16/12/2016	00.13	16/12/2016	07.13	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	16/12/2016	17.57		Continued.	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	16/12/2016	21.58	17/12/2016	07.59	HT	Over Voltage
Ektuni-Bableshwar ckt II	IntraState	09/12/2016	19.37	16/12/2016	13.20	HT	Over Voltage
N.Koyna-Karad -Ckt II	IntraState	13/12/2016	10.14		Continued.	PO	Routine maintenance work RFC 18.04.
Karad-Jaigad - I	IntraState	13/12/2016	23.05		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	15/12/2016	20.12		Continued.	HT	Over Voltage
Deepnagar - Aurangabad	IntraState	16/12/2016	14.19	17/12/2016	00.30	HT	For Bus -1 Outage.
Aurangabad - Aurangabad(PG) I	IntraState	16/12/2016	16.49	16/12/2016	22.16	PO	Shifted On TBC.
400 KV ICT Outages/Trippings							
400/220 Kv 315 Mva ICT -I @Padghe	IntraState	16/12/2016	07.29	16/12/2016	21.10	PO	Routine Maintenance Work
220 KV LINE Outages/Trippings							
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.
Bableshwar- Ranjangaon	IntraState	06/06/2016	07.22		Continued.	HT	Hand Tripped for Ranjangaon End.
Bableshwar -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.
karad - Dasgaon	IntraState	15/12/2016	10.02	16/12/2016	11.35	PO	Final Stringing of 220KV Karad-Koyna Ckt.
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
Mahad-Kandalgaon	IntraState	16/12/2016	09.50	16/12/2016	13.45	HT	Attending Hot Spot
Osmanabad - Solapur (Bale)	IntraState	16/12/2016	11.00	16/12/2016	16.47	PO	Midspan Conductor Joint 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	Augumentation Work(Outage for 3 Months).
110 KV LINE Outages/Trippings							
Khopoli Mankhurd	IntraState	16/12/2016	18.12	16/12/2016	18.23	T	Distance Protection
Parel Mankhurd	IntraState	16/12/2016	18.22	16/12/2016	18.23	T	Distance Protection

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