

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 17/Dec/2016 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	140.435	2330.585	1) Gujrat	-1.950	-44.545
2) Hydro	22.400	342.392	2) Madhya Pradesh	8.526	114.897
3) Gas	6.825	161.356	3) Chattisgarh	7.060	124.500
Total MSPGCL	169.660	2834.333	4) Maharashtra Net	114.313	1875.566
B) 1) APML	47.479	832.818	5) Goa (Amona)	-0.662	-11.166
2) JSWEL	10.719	183.614	Total	127.287	2059.252
3) VIPL	12.409	208.289	a) Mumbai Schedule	20.766	356.793
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	25.567	395.587
5) WPCL	2.677	64.722	c) MSEDCL Bilateral *	31.260	363.501
6) PGPL	0.000	22.259	Include PX	-0.240	10.829
7) Other IPP	9.182	155.328	d) Mumbai Bilateral *	20.766	356.793
C) 1) TPCL Thermal	9.398	173.594	Include PX	2.748	57.500
2) TPCL Hydro	4.556	79.547	Include Standby	0.000	0.000
3) TPCL Gas	3.693	66.897	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.551	178.401	1) MSEDCL	358.752	6153.506
D) STATE			2) Mumbai Discoms	53.765	894.021
1) Thermal	242.850	4127.351	TOTAL STATE	412.517	7047.527
(A1+C1+C4+(B1-B6))					
2) Hydro	26.956	421.939			
(A2+C2)					
3) Gas	10.518	250.512			
(A3+B6+C3)					
4) Wind	3.702	168.574			
6) SOLAR	1.204	19.904			
TOTAL STATE	285.230	4988.280			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 11 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	6421	6337	5878	5119
MSPGCL Hydro	1998	2025	580	105
MSPGCL Gas	277	273	272	285
MSPGCL Total Generation	8696	8635	6730	5509
Central Sector Receipt	5865	5841	5691	4462
WIND	97	94	178	263
CPP / IPP Thermal	3518	3499	3640	3170
CPP / IPP Gas	0	0	0	0
SOLAR	162	181	0	0
Exchange with Mumbai	-1047	-1154	-1321	-844
MSEDCL DEMAND MET	17291	17096	14918	12560
Load Shedding	0	0	0	0
MSEDCL DEMAND	17291	17096	14918	12560
TPCL GENERATION	1112	990	852	447
R-INFRA GENERATION	505	508	384	386
MUMBAI DEMAND	2664	2652	2557	1677
STATE DEMAND MET	19955	19748	17475	14237
STATE DEMAND	19955	19748	17475	14237
Frequency (Hz)	49.95	49.97	49.90	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.18 Hz at 21.59 Hrs	49.72 Hz at 21.08 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 17/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	3.83	34.08	165	145
Unit 8	0.00	144.07	0	0
Unit 9	8.28	157.96	355	261
Total	12.11	336.11		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	10.14	173.44	510	350
Unit 5	10.28	171.38	500	350
Total	20.42	344.83		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.25	88.29	250	190
Unit 7	5.00	85.85	234	198
Unit 8	0.00	0.00	0	0
Total	10.25	174.14		
Chandrapur				
Unit 3	4.45	64.01	198	165
Unit 4	4.39	74.73	190	175
Unit 5	9.88	164.44	460	364
Unit 6	9.76	101.96	450	350
Unit 7	9.41	158.61	420	360
Unit 8	9.92	126.58	500	365
Unit 9	8.24	79.67	490	110
Total	56.06	769.99		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.18	90.52	250	187
Total	5.18	90.52		
Khaparkheda				
Unit 1	4.22	62.45	195	160
Unit 2	4.27	72.40	200	160
Unit 3	4.33	74.22	203	160
Unit 4	4.20	72.26	192	160
Unit 5	10.78	183.50	510	366
Total	27.79	464.83		
Nasik				
Unit 3	0.00	45.35	0	0
Unit 4	4.32	40.26	204	159
Unit 5	4.30	53.57	197	160
Total	8.62	139.18		
Uran				
All Units	6.82	161.36	326	258
Total	6.82	161.36		
PGPL				
Unit 1	0.00	13.77	0	0
Unit 2	0.00	8.49	0	0
Total	0.00	22.26		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.18	4.27	45	0
Total	0.18	4.27		
Koyna				
Stage 1-2	6.52	97.60	560	40
Stage 4	9.02	128.94	950	0
Stage 3	3.28	47.95	240	0
Total	18.81	274.48		
Hydro				
KDPH	0.22	7.71	19	0
VTRNA	0.43	7.26	60	0
TILLARI	0.00	5.64	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.30	4.57	80	0
RNGR+BHTSA	0.37	5.54	16	15
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.73	11.45	31	30
GHATGHAR	1.54	25.74	250	0
Total	3.59	67.91		
Wind				
Total	3.70	168.57	0	0
Total	3.70	168.57		
CPP				
APML(Mus)	47.48	832.82	0	0
JSWEL(Mus)	10.72	183.61	0	0
VIPL(Mus)	12.41	208.29	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	2.68	64.72	0	0
Other(Mus)	9.18	155.33	0	0
Total	82.47	1444.77		
SOLAR				
Total	1.20	19.90	0	0
Total	1.20	19.90		
Tata				
Trombay 5	9.40	158.19	475	314
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.24	41.63	115	75
Trombay 7B	1.45	25.27	68	54
Trombay 8	0.00	15.40	0	0
TATA Hydro	4.56	79.55	459	49
Total	17.65	320.04		
R-INFRA				
1-2	10.55	178.40	509	384
Total	10.55	178.40		

* Infirm Power		
Particulars	Daily (Mus)	Monthly
Koradi 10	0.00	10.98

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	140.44	2330.58
MSPGCL Thml+Gas	147.26	2491.94
MSPGCL Hydro	22.40	342.39

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	169.66	2834.33
Koyna 1,2 & 4 Total	15.54	226.54
State Total	285.23	4988.28

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 17/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	5092	246	281	5619	190	3177	0	0	4672	4906	-1112	12780	0	12780	1944	14724	49.96
2	5091	220	282	5593	239	3171	0	0	4599	4902	-951	12954	0	12954	1782	14736	49.99
3	5119	105	285	5509	263	3170	0	0	4427	4462	-844	12560	0	12560	1677	14237	50.00
4	5167	105	286	5558	264	3164	0	0	4404	4711	-785	12912	0	12912	1617	14529	49.97
5	5142	145	296	5583	211	3173	0	0	4453	4871	-787	13051	0	13051	1618	14669	49.95
6	5560	325	298	6183	178	3309	0	0	4969	5433	-881	14222	0	14222	1713	15935	49.94
7	6193	842	297	7332	145	3438	0	0	5376	5329	-894	15350	0	15350	1902	17252	49.97
8	6249	1371	297	7917	119	3511	0	9	5652	5662	-778	16440	0	16440	2099	18539	49.93
9	6413	1760	284	8457	79	3519	0	68	5646	5932	-764	17291	0	17291	2294	19585	49.95
10	6465	2064	278	8807	71	3512	0	116	5650	5762	-963	17305	0	17305	2571	19876	49.93
11	6421	1998	277	8696	97	3518	0	162	5722	5865	-1047	17291	0	17291	2664	19955	49.95
12	6244	2073	264	8581	110	3521	0	173	5818	5928	-1111	17202	0	17202	2683	19885	49.92
13	6337	2025	273	8635	94	3499	0	181	5696	5841	-1154	17096	0	17096	2652	19748	49.97
14	6425	1920	272	8617	60	3563	0	177	5608	5717	-1090	17044	0	17044	2604	19648	50.01
15	6379	1825	270	8474	62	3596	0	148	5670	5399	-1095	16584	0	16584	2574	19158	49.94
16	6459	1844	258	8561	67	3587	0	111	5739	5659	-1072	16913	0	16913	2566	19479	49.93
17	6462	1227	272	7961	87	3611	0	53	5720	5685	-1051	16346	0	16346	2478	18824	49.93
18	6137	435	274	6846	133	3630	0	6	5694	5612	-1272	14955	0	14955	2558	17513	49.94
19	5878	580	272	6730	178	3640	0	0	5775	5691	-1321	14918	0	14918	2557	17475	49.90
20	5702	463	274	6439	214	3685	0	0	5810	5246	-1323	14261	0	14261	2476	16737	50.00
21	5377	238	283	5898	178	3563	0	0	5433	5101	-1329	13411	0	13411	2279	15690	49.94
22	5388	244	301	5933	162	3486	0	0	4856	4688	-1454	12815	0	12815	2292	15107	49.98
23	5379	175	325	5879	212	3242	0	0	4780	4512	-1306	12539	0	12539	2142	14681	49.97
24	5356	170	326	5852	289	3179	0	0	4437	4373	-1183	12510	0	12510	2023	14533	50.00
MUs	140.43	22.40	6.83	169.66	3.70	82.47	0.00	1.20	126.61	127.29	-25.57	358.75	0.00	358.75	53.77	412.52	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 17/Dec/2016

Position as on 6.30 Hrs of 18/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 17/Dec/2016

Position as on 6.30 Hrs of 18/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 7	108	13/12/2016	16.24	17/12/2016	20.37	Gas shortage	
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		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 17/Dec/2016

Statement-VII

Position as on 6.30 Hrs of 18/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	16/12/2016	17.57	17/12/2016	07.01	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	16/12/2016	21.58	17/12/2016	07.59	HT	Over Voltage
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		Continued.	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	18/12/2016	18.05		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	13/12/2016	23.05	17/12/2016	09.13	HT	Over Voltage
karad -kolhapur-II	IntraState	15/12/2016	20.12	17/12/2016	09.05	HT	Over Voltage
Deepnagar - Aurangabad	IntraState	16/12/2016	14.19	17/12/2016	21.48	HT	For Bus -1 Outage.
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.
400 KV ICT Outages/Trippings							
400/220KV 500MVA ICT-I @Nanded	IntraState	18/12/2016	15.09	18/12/2016	16.39	PO	Attending Oil Leakage
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.
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.
Kandalgaon - Pirangut	IntraState	17/12/2016	10.01	17/12/2016	17.35	PO	Insulator Replacement Work
Oni Kharepatan Line	IntraState	17/12/2016	11.01	17/12/2016	15.30	PO	Annual Maintenance Work
Mahad - Pedambe	IntraState	17/12/2016	13.00	17/12/2016	14.15	PO	Testing 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.
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).
220/100 Kv 200 Mva Vijai Ict 3 @Trombay	IntraState	17/12/2016	09.10	17/12/2016	20.15	PO	R.M.Work.

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