

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 10/Dec/2016 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	146.007	1347.031	1) Gujrat	-3.425	-32.006
2) Hydro	11.019	213.594	2) Madhya Pradesh	6.553	68.660
3) Gas	8.387	104.681	3) Chattisgarh	7.440	78.110
Total MSPGCL	165.413	1665.306	4) Maharashtra Net	110.976	1113.202
B) 1) APML	51.069	518.574	5) Goa (Amona)	-0.616	-6.576
2) JSWEL	11.018	112.451	Total	120.928	1221.390
3) VIPL	11.924	122.345	a) Mumbai Schedule	19.882	210.536
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	21.489	228.765
5) WPCL	3.767	40.384	c) MSEDCL Bilateral *	24.884	198.244
6) PGPL	0.000	10.644	Include PX	2.214	6.033
7) Other IPP	9.362	90.209	d) Mumbai Bilateral *	19.882	210.536
C) 1) TPCL Thermal	8.189	109.729	Include PX	2.355	31.172
2) TPCL Hydro	4.632	45.925	Include Standby	0.000	0.000
3) TPCL Gas	4.359	41.990	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	9.746	105.202	1) MSEDCL	357.951	3650.267
D) STATE			2) Mumbai Discoms	48.415	531.608
1) Thermal	251.082	2445.925	TOTAL STATE	406.366	4181.875
(A1+C1+C4+(B1-B6))					
2) Hydro	15.651	259.519			
(A2+C2)					
3) Gas	12.746	157.315			
(A3+B6+C3)					
4) Wind	4.670	85.897			
6) SOLAR	1.289	11.832			
TOTAL STATE	285.438	2960.488			

* 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 18 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	6951	6436	6476	5283
MSPGCL Hydro	505	775	1017	104
MSPGCL Gas	383	302	149	475
MSPGCL Total Generation	7839	7513	7642	5862
Central Sector Receipt	5960	5868	5967	3205
WIND	51	130	168	108
CPP / IPP Thermal	4019	3817	3800	3249
CPP / IPP Gas	0	0	0	0
SOLAR	134	8	0	0
Exchange with Mumbai	-658	-833	-936	-653
MSEDCL DEMAND MET	17345	16503	16641	11771
Load Shedding	0	0	0	0
MSEDCL DEMAND	17345	16503	16641	11771
TPCL GENERATION	982	1039	1007	496
R-INFRA GENERATION	507	384	441	385
MUMBAI DEMAND	2147	2256	2384	1534
STATE DEMAND MET	19492	18759	19025	13305
STATE DEMAND	19492	18759	19025	13305
Frequency (Hz)	49.91	49.90	49.97	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.18 Hz at 21.59 Hrs	49.73 Hz at 12.39 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 10/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	3.77	7.03	166	145
Unit 8	9.60	121.30	405	396
Unit 9	11.15	95.90	503	450
Total	24.52	224.23		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	10.42	100.30	510	360
Unit 5	10.32	101.08	510	360
Total	20.74	201.39		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.23	51.59	249	198
Unit 7	5.23	51.18	248	194
Unit 8	0.00	0.00	0	0
Total	10.46	102.78		
Chandrapur				
Unit 3	4.44	32.87	195	167
Unit 4	4.37	44.06	193	171
Unit 5	10.02	94.67	470	360
Unit 6	3.02	35.22	445	0
Unit 7	9.23	94.23	414	352
Unit 8	8.74	53.80	470	0
Unit 9	9.70	54.64	460	349
Total	49.52	409.48		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.26	53.61	250	190
Total	5.26	53.61		
Khaparkheda				
Unit 1	4.17	33.12	190	155
Unit 2	4.20	42.67	200	160
Unit 3	4.29	43.75	201	160
Unit 4	4.21	42.60	194	161
Unit 5	10.61	108.40	500	369
Total	27.48	270.54		
Nasik				
Unit 3	4.10	42.56	195	160
Unit 4	0.00	14.13	0	0
Unit 5	3.93	28.31	201	0
Total	8.03	85.00		
Uran				
All Units	8.39	104.68	477	149
Total	8.39	104.68		
PGPL				
Unit 1	0.00	6.64	0	0
Unit 2	0.00	4.00	0	0
Total	0.00	10.64		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.39	2.50	53	0
Total	0.39	2.50		
Koyna				
Stage 1-2	3.86	60.08	470	40
Stage 4	1.86	83.89	403	0
Stage 3	1.50	30.56	160	0
Total	7.22	174.52		
Hydro				
KDPH	0.44	5.30	19	18
VTRNA	0.42	4.20	59	0
TILLARI	0.38	3.75	64	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.29	2.56	80	0
RNGR+BHTSA	0.37	3.36	16	15
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.64	6.02	37	23
GHATGHAR	1.25	13.87	250	0
Total	3.80	39.07		
Wind				
Total	4.67	85.90	0	0
Total	4.67	85.90		
CPP				
APML(Mus)	51.07	518.57	0	0
JSWEL(Mus)	11.02	112.45	0	0
VIPL(Mus)	11.92	122.34	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	3.77	40.38	0	0
Other(Mus)	9.36	90.21	0	0
Total	87.14	883.96		
SOLAR				
Total	1.29	11.83	0	0
Total	1.29	11.83		
Tata				
Trombay 5	8.19	94.33	470	197
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.76	26.45	116	114
Trombay 7B	1.60	15.54	68	66
Trombay 8	0.00	15.40	0	0
TATA Hydro	4.63	45.92	452	0
Total	17.18	197.64		
R-INFRA				
1-2	9.75	105.20	507	383
Total	9.75	105.20		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
Koradi 10	0.00	0.00	MSPGCL Thermal	146.01	1347.03	MSPGCL Total	165.41	1665.31
			MSPGCL Thml+Gas	154.39	1451.71	Koyna 1,2 & 4 Total	5.72	143.97
			MSPGCL Hydro	11.02	213.59	State Total	285.44	2960.49

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 10/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	5174	99	462	5735	237	3256	0	0	4203	3678	-832	12074	0	12074	1713	13787	50.02
2	5123	99	465	5687	132	3267	0	0	3531	3490	-735	11841	0	11841	1615	13456	50.00
3	5283	104	475	5862	108	3249	0	0	3137	3205	-653	11771	0	11771	1534	13305	50.03
4	5514	104	468	6086	112	3254	0	0	3165	3018	-605	11865	0	11865	1487	13352	50.01
5	5651	99	477	6227	113	3257	0	0	4027	3514	-596	12515	0	12515	1478	13993	49.99
6	5742	99	466	6307	98	3315	0	0	4245	4229	-678	13271	0	13271	1559	14830	49.96
7	6070	371	476	6917	105	3583	0	0	5261	5205	-790	15020	0	15020	1670	16690	49.99
8	6323	1012	462	7797	125	3680	0	19	5670	5574	-745	16450	0	16450	1754	18204	49.91
9	6800	604	471	7875	51	3902	0	75	5710	5615	-828	16690	0	16690	1998	18688	49.94
10	6951	505	383	7839	51	4019	0	134	6036	5960	-658	17345	0	17345	2147	19492	49.91
11	6961	383	288	7632	73	4009	0	159	6064	5998	-878	16993	0	16993	2389	19382	49.96
12	6961	317	287	7565	76	3954	0	190	6104	6134	-1002	16917	0	16917	2412	19329	49.98
13	6420	897	293	7610	65	3888	0	202	5768	5688	-1090	16363	0	16363	2378	18741	49.88
14	6412	962	278	7652	70	3953	0	176	5726	5624	-984	16491	0	16491	2254	18745	49.99
15	6499	977	281	7757	76	3814	0	155	5739	5619	-1015	16406	0	16406	2251	18657	49.97
16	6419	621	295	7335	106	3800	0	107	6153	5908	-976	16280	0	16280	2255	18535	49.88
17	6418	607	314	7339	125	3791	0	64	6051	5929	-897	16351	0	16351	2259	18610	49.92
18	6436	775	302	7513	130	3817	0	8	6029	5868	-833	16503	0	16503	2256	18759	49.90
19	6476	1017	149	7642	168	3800	0	0	5688	5967	-936	16641	0	16641	2384	19025	49.97
20	6350	393	184	6927	256	3767	0	0	5671	5298	-1004	15244	0	15244	2376	17620	49.98
21	5683	374	213	6270	497	3661	0	0	5659	5625	-1240	14813	0	14813	2364	17177	49.95
22	5501	404	263	6168	637	3578	0	0	5592	5345	-1242	14486	0	14486	2056	16542	50.02
23	5489	100	318	5907	628	3300	0	0	5106	4704	-1176	13363	0	13363	1968	15331	49.99
24	5351	96	317	5764	631	3226	0	0	3842	3733	-1096	12258	0	12258	1858	14116	50.00
MUs	146.01	11.02	8.39	165.41	4.67	87.14	0.00	1.29	124.18	120.93	-21.49	357.95	0.00	357.95	48.41	406.37	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 10/Dec/2016

Position as on 6.30 Hrs of 11/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	
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	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 10/Dec/2016

Position as on 6.30 Hrs of 11/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	06/12/2016	22.34	10/12/2016	02.34	Boiler Tube Leakage	
MSPGCL	Chandrapur Unit-8	500	09/12/2016	18.23	10/12/2016	02.13	Tripped Primary Air Header Pressure Low.	
MSPGCL	Uran Unit 6	108	10/12/2016	09.30	10/12/2016	15.45	Boiler Problem	
MSPGCL	Chandrapur Unit 6	500	10/12/2016	12.25	11/12/2016	02.03	Electrical problem operated	
MSPGCL	Uran Unit 6	108	10/12/2016	18.15	10/12/2016	18.59	Feed Pump Tripping	
MSPGCL	Uran Unit A0	120	10/12/2016	18.15	10/12/2016	21.13	Feed Pump Tripping	
MSPGCL	Uran Unit 5	108	10/12/2016	18.15	10/12/2016	23.31	Feed Pump Tripping	
MSPGCL	Nasik Unit 5	210	10/12/2016	23.00		Continued.	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 10/Dec/2016

Statement-VII

Position as on 6.30 Hrs of 11/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 I	InterState	09/12/2016	18.49	10/12/2016	07.24	HT	Over Voltage
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
Karad - Jaigad - II	IntraState	09/12/2016	18.39	10/12/2016	11.27	HT	Over Voltage
Ektuni-Bableshwar 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.
Main Bus - II @ Kalwa	IntraState	11/12/2016	13.27	11/12/2016	13.46	T	Bus Bar Oper At Kalwa End.
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.
400 KV ICT Outages/Trippings							
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.
220 KV LINE Outages/Trippings							
Mudshingi - Chikodi	InterState	09/12/2016	00.00	11/12/2016	00.00	HT	Hand Tripped
Talandage - Chikodi	InterState	09/12/2016	00.00	11/12/2016	00.01	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.
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.
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
Kandalgaon - Pirangut	IntraState	10/12/2016	08.05	10/12/2016	18.20	PO	Insulator Replacement Work
Babhaleshwar-Nagar-I	IntraState	10/12/2016	12.55	10/12/2016	17.56	PO	Line Maintenance work
Kalwa - Colourchem	IntraState	10/12/2016	13.58	10/12/2016	15.27	T	Distance Protection
IPCL - SPCL	IntraState	10/12/2016	14.18	10/12/2016	14.38	PO	Annual Maintenance Work
Talandge-Hamidwada	IntraState	10/12/2016	16.09	10/12/2016	16.55	PO	Testing Work
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.
220 KV ICT Outages/Trippings							

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 10/Dec/2016

Statement-VII

Position as on 6.30 Hrs of 11/Dec/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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)
220/132KV 100MVA -1@Alephata	IntraState	10/12/2016	09.40	10/12/2016	10.55	PO	Oil Leakage from Bhushuing Attending Work
100 KV LINE Outages/Trippings							
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