

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 09/Dec/2016 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	139.921	1201.024	1) Gujrat	-4.602	-28.581
2) Hydro	14.097	202.575	2) Madhya Pradesh	6.894	62.107
3) Gas	10.929	96.294	3) Chattisgarh	8.110	70.670
Total MSPGCL	164.947	1499.893	4) Maharashtra Net	116.824	1002.226
B) 1) APML	53.531	467.505	5) Goa (Amona)	-0.640	-5.960
2) JSWEL	11.179	101.433	Total	126.586	1100.462
3) VIPL	12.383	110.421	a) Mumbai Schedule	22.194	190.654
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	23.580	207.276
5) WPCL	3.903	36.617	c) MSEDCL Bilateral *	26.087	173.360
6) PGPL	2.992	10.644	Include PX	2.856	3.818
7) Other IPP	9.292	80.847	d) Mumbai Bilateral *	22.194	190.654
C) 1) TPCL Thermal	9.417	101.540	Include PX	4.155	28.817
2) TPCL Hydro	4.876	41.293	Include Standby	0.000	0.000
3) TPCL Gas	4.362	37.631	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.788	95.456	1) MSEDCL	364.773	3292.316
D) STATE			2) Mumbai Discoms	53.023	483.193
1) Thermal	250.414	2194.843	TOTAL STATE	417.796	3775.509
(A1+C1+C4+(B1-B6))					
2) Hydro	18.973	243.868			
(A2+C2)					
3) Gas	18.283	144.569			
(A3+B6+C3)					
4) Wind	2.265	81.227			
6) SOLAR	1.275	10.543			
TOTAL STATE	291.210	2675.050			

* 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 2 Hrs
MSPGCL Thermal	6375	6380	6431	4936
MSPGCL Hydro	1274	665	682	113
MSPGCL Gas	447	434	441	465
MSPGCL Total Generation	8096	7479	7554	5514
Central Sector Receipt	6072	5785	5707	4105
WIND	81	43	99	135
CPP / IPP Thermal	3954	3962	4020	3239
CPP / IPP Gas	230	231	195	0
SOLAR	169	180	2	0
Exchange with Mumbai	-1118	-1133	-1147	-767
MSEDCL DEMAND MET	17484	16547	16430	12226
Load Shedding	0	0	0	0
MSEDCL DEMAND	17484	16547	16430	12226
TPCL GENERATION	1027	1058	1019	498
R-INFRA GENERATION	508	510	510	385
MUMBAI DEMAND	2653	2701	2676	1650
STATE DEMAND MET	20137	19248	19106	13876
STATE DEMAND	20137	19248	19106	13876
Frequency (Hz)	49.96	49.93	50.01	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.11 Hz at 18.34 Hrs	49.73 Hz at 06.51 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 09/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	3.20	3.26	160	44
Unit 8	11.42	111.70	539	400
Unit 9	10.23	84.75	501	355
Total	24.85	199.71		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	10.62	89.89	510	350
Unit 5	10.61	90.76	510	355
Total	21.23	180.66		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.94	46.36	242	170
Unit 7	5.18	45.96	238	196
Unit 8	0.00	0.00	0	0
Total	10.12	92.32		
Chandrapur				
Unit 3	4.45	28.43	199	170
Unit 4	4.37	39.70	195	170
Unit 5	10.02	84.64	455	365
Unit 6	0.00	32.20	0	0
Unit 7	9.48	84.99	427	356
Unit 8	5.56	45.07	427	0
Unit 9	7.69	44.93	450	189
Total	41.58	359.96		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.40	48.35	250	198
Total	5.40	48.35		
Khaparkheda				
Unit 1	4.29	28.94	195	155
Unit 2	4.32	38.48	200	160
Unit 3	4.39	39.46	203	160
Unit 4	4.30	38.39	195	160
Unit 5	10.73	97.79	500	375
Total	28.03	243.07		
Nasik				
Unit 3	4.34	38.46	200	165
Unit 4	0.00	14.13	0	0
Unit 5	4.39	24.38	202	163
Total	8.73	76.96		
Uran				
All Units	10.93	96.29	480	420
Total	10.93	96.29		
PGPL				
Unit 1	1.83	6.64	142	0
Unit 2	1.16	4.00	90	0
Total	2.99	10.64		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.25	2.12	40	0
Total	0.25	2.12		
Koyna				
Stage 1-2	4.28	56.22	565	40
Stage 4	5.55	82.03	634	0
Stage 3	1.64	29.06	240	0
Total	11.47	167.30		
Hydro				
KDPH	0.44	4.86	19	18
VTRNA	0.45	3.78	59	0
TILLARI	0.38	3.37	64	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.32	2.27	80	0
RNGR+BHTSA	0.37	2.99	16	15
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.67	5.39	30	27
GHATGHAR	0.00	12.62	0	0
Total	2.63	35.27		
Wind				
Total	2.26	81.23	0	0
Total	2.26	81.23		
CPP				
APML(Mus)	53.53	467.50	0	0
JSWEL(Mus)	11.18	101.43	0	0
VIPL(Mus)	12.38	110.42	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	3.90	36.62	0	0
Other(Mus)	9.29	80.85	0	0
Total	90.29	796.82		
SOLAR				
Total	1.28	10.54	0	0
Total	1.28	10.54		
Tata				
Trombay 5	9.42	86.14	469	311
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.76	23.69	116	114
Trombay 7B	1.60	13.94	68	66
Trombay 8	0.00	15.40	0	0
TATA Hydro	4.88	41.29	442	10
Total	18.66	180.46		
R-INFRA				
1-2	10.79	95.46	510	384
Total	10.79	95.46		

* 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	139.92	1201.02	MSPGCL Total	164.95	1499.89
			MSPGCL Thml+Gas	150.85	1297.32	Koyna 1,2 & 4 Total	9.82	138.25
			MSPGCL Hydro	14.10	202.58	State Total	291.21	2675.05

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 09/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	4899	103	473	5475	157	3445	0	0	4593	4339	-889	12527	0	12527	1766	14293	49.98
2	4936	113	465	5514	135	3239	0	0	4085	4105	-767	12226	0	12226	1650	13876	49.97
3	4971	103	474	5548	125	3277	0	0	3799	4105	-669	12386	0	12386	1547	13933	49.99
4	5081	113	464	5658	106	3276	0	0	3788	4084	-612	12512	0	12512	1493	14005	49.99
5	5146	308	475	5929	124	3284	26	0	3774	4274	-601	13036	0	13036	1491	14527	49.96
6	5433	578	467	6478	111	3531	72	0	4380	4517	-694	14015	0	14015	1587	15602	49.92
7	5994	632	480	7106	110	3949	153	0	5070	4796	-822	15292	0	15292	1797	17089	49.92
8	6189	1256	465	7910	93	3990	208	13	5241	5419	-603	17030	0	17030	1891	18921	49.90
9	6243	1186	480	7909	61	4005	230	70	5860	5911	-873	17313	0	17313	2191	19504	49.95
10	6256	1314	452	8022	77	3967	230	131	5887	5854	-1007	17274	0	17274	2529	19803	49.90
11	6375	1274	447	8096	81	3954	230	169	5965	6072	-1118	17484	0	17484	2653	20137	49.96
12	6394	968	441	7803	41	3940	231	180	6012	6034	-1180	17049	0	17049	2747	19796	49.97
13	6380	665	434	7479	43	3962	231	180	5505	5785	-1133	16547	0	16547	2701	19248	49.93
14	6395	652	428	7475	60	3956	230	184	5446	5701	-1086	16520	0	16520	2592	19112	49.98
15	6411	675	420	7506	36	3999	230	157	5478	5760	-1121	16567	0	16567	2623	19190	49.96
16	6414	309	438	7161	46	4024	230	118	5795	5925	-1111	16393	0	16393	2623	19016	49.97
17	6520	213	440	7173	46	4015	231	60	5747	6056	-1077	16504	0	16504	2614	19118	49.96
18	6600	413	452	7465	84	4054	231	11	5723	5803	-1046	16602	0	16602	2597	19199	49.93
19	6431	682	441	7554	99	4020	195	2	5565	5707	-1147	16430	0	16430	2676	19106	50.01
20	5922	296	449	6667	128	3973	34	0	5714	5951	-1219	15534	0	15534	2549	18083	50.03
21	5292	454	451	6197	118	3727	0	0	5588	6027	-1273	14796	0	14796	2458	17254	49.99
22	5240	1162	465	6867	106	3655	0	0	4952	5123	-1291	14460	0	14460	2243	16703	50.01
23	5178	481	458	6117	123	3639	0	0	4843	4768	-1180	13467	0	13467	2060	15527	50.00
24	5221	147	470	5838	155	3407	0	0	4712	4470	-1061	12809	0	12809	1945	14754	50.03
MUs	139.92	14.10	10.93	164.95	2.26	90.29	2.99	1.27	123.52	126.59	-23.58	364.77	0.00	364.77	53.02	417.80	49.97

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 09/Dec/2016

Position as on 6.30 Hrs of 10/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		Continued.	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 09/Dec/2016

Position as on 6.30 Hrs of 10/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		Continued.	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.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 09/Dec/2016

Statement-VII

Position as on 6.30 Hrs of 10/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	08/12/2016	19.27	09/12/2016	07.00	HT	Over Voltage
Akola Wardha I	InterState	09/12/2016	12.20	09/12/2016	17.22	PO	Quarterly Maintainance Work
Dhule Sar'Sarovar I	InterState	09/12/2016	18.49		Continued.	HT	Over Voltage
Ektuni-Bableshwar ckt I	IntraState	09/10/2016	12.29	09/12/2016	11.26	HT	Hot Spot on Isolator(RFC from 17.36HrsDt.10-10-2016)
Karad-Jaigad - I	IntraState	08/12/2016	18.36	09/12/2016	09.25	HT	Over Voltage
karad -kolhapur-II	IntraState	08/12/2016	19.48	09/12/2016	09.22	HT	Over Voltage
Chandrapur - Khaperkheda	IntraState	09/12/2016	09.50	09/12/2016	16.37	PO	Fixing of Spacer Damper & Line Maint. Work.
N.Koyna-Karad -Ckt II	IntraState	09/12/2016	11.22	09/12/2016	17.07	EO	Attending Hot Spot
Bableshwar- Aurangabad (Waluj)	IntraState	09/12/2016	11.37	09/12/2016	19.36	PO	Quarterly Maintainance Work
Parly(MS)- Nanded	IntraState	09/12/2016	12.39	09/12/2016	17.49	PO	Buchholz Relay replacement.
Akola - Bhusawal	IntraState	09/12/2016	15.10	09/12/2016	15.17	HT	For Taking Line Reactor In Service.
karad -kolhapur-I	IntraState	09/12/2016	18.37		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	09/12/2016	18.39		Continued.	HT	Over Voltage
Ektuni-Bableshwar ckt II	IntraState	09/12/2016	19.37		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33 Kv 500 MVA ICT-I @Lonikand 2	IntraState	09/12/2016	12.43	09/12/2016	18.10	PO	CT Replacement B Phase.
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.
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
Dahanu Ghodbunder Line 1	IntraState	09/12/2016	06.46	09/12/2016	19.30	PO	Replacement of CT Work.
Padghe - Jambhul 2	IntraState	09/12/2016	09.39	09/12/2016	18.03	PO	Replacement of R ph CT.
Kalwa 52B Interconnector CB	IntraState	09/12/2016	10.41	09/12/2016	18.58	PO	Damaged Jumper Replacment Work
Sonkhar - Trombay	IntraState	09/12/2016	12.04	09/12/2016	16.50	PO	Testing Work
Chalishaon -Babhaleshwar	IntraState	09/12/2016	12.38	09/12/2016	14.29	PO	Routine 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)
220/132KV 100MVA -1@Alephata	IntraState	09/12/2016	09.03	09/12/2016	13.55	PO	Testing Work
220/132kv 100MVA ICT-II @ Alephata	IntraState	09/12/2016	13.57	09/12/2016	18.45	PO	Testing Work
110 KV LINE Outages/Trippings							
Kalyan Kalwa Salsette 1	IntraState	09/12/2016	13.07	09/12/2016	13.40	PO	Removal Of Hanging Rope.

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