

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 12/Dec/2016 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	152.743	1648.196	1) Gujrat	-1.903	-36.762
2) Hydro	18.156	240.130	2) Madhya Pradesh	4.034	77.969
3) Gas	10.524	125.672	3) Chattisgarh	6.110	91.410
Total MSPGCL	181.423	2013.998	4) Maharashtra Net	100.300	1317.828
B) 1) APML	43.660	609.130	5) Goa (Amona)	-0.638	-7.808
2) JSWEL	10.675	134.137	Total	107.903	1442.637
3) VIPL	12.134	145.129	a) Mumbai Schedule	17.133	245.512
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	19.469	267.929
5) WPCL	4.214	48.397	c) MSEDCL Bilateral *	17.620	231.839
6) PGPL	0.000	10.644	Include PX	0.042	5.726
7) Other IPP	9.441	108.771	d) Mumbai Bilateral *	17.133	245.512
C) 1) TPCL Thermal	9.209	125.918	Include PX	2.370	36.694
2) TPCL Hydro	5.531	53.524	Include Standby	0.000	0.000
3) TPCL Gas	4.314	50.665	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.550	124.920	1) MSEDCL	365.162	4371.968
D) STATE			2) Mumbai Discoms	49.073	622.953
1) Thermal	252.626	2944.598	TOTAL STATE	414.235	4994.921
(A1+C1+C4+(B1-B6))					
2) Hydro (A2+C2)	23.687	293.654			
3) Gas (A3+B6+C3)	14.838	186.981			
4) Wind	13.904	112.677			
6) SOLAR	1.277	14.377			
TOTAL STATE	306.332	3552.287			

* 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 18 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	7052	6848	6806	5818
MSPGCL Hydro	1408	1439	1036	127
MSPGCL Gas	433	415	424	452
MSPGCL Total Generation	8893	8702	8266	6397
Central Sector Receipt	5495	5502	5388	2300
WIND	463	271	387	673
CPP / IPP Thermal	3409	3479	3460	3217
CPP / IPP Gas	0	0	0	0
SOLAR	174	9	0	0
Exchange with Mumbai	-927	-754	-875	-564
MSEDCL DEMAND MET	17507	17209	16626	12023
Load Shedding	0	0	0	0
MSEDCL DEMAND	17507	17209	16626	12023
TPCL GENERATION	1100	1092	1046	486
R-INFRA GENERATION	505	509	505	382
MUMBAI DEMAND	2532	2355	2426	1432
STATE DEMAND MET	20039	19564	19052	13455
STATE DEMAND	20039	19564	19052	13455
Frequency (Hz)	49.95	49.92	49.98	50.08

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.24 Hz at 00.01 Hrs	49.75 Hz at 08.48 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 12/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	3.95	14.91	170	145
Unit 8	11.70	144.07	550	383
Unit 9	8.71	116.08	385	331
Total	24.36	275.06		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	10.25	121.00	510	350
Unit 5	10.23	121.72	510	350
Total	20.48	242.72		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.18	61.83	244	189
Unit 7	5.10	60.28	241	187
Unit 8	0.00	0.00	0	0
Total	10.28	122.11		
Chandrapur				
Unit 3	4.36	41.67	202	164
Unit 4	4.33	52.73	194	165
Unit 5	9.87	114.51	465	355
Unit 6	9.37	52.52	430	360
Unit 7	9.31	112.56	423	360
Unit 8	10.24	74.44	500	362
Unit 9	7.32	71.32	411	0
Total	54.81	519.75		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.20	64.15	250	190
Total	5.20	64.15		
Khaparkheda				
Unit 1	4.14	41.33	195	150
Unit 2	4.18	50.96	195	160
Unit 3	4.35	52.29	206	158
Unit 4	4.23	50.93	194	160
Unit 5	10.49	129.28	500	370
Total	27.38	324.79		
Nasik				
Unit 3	0.00	45.35	0	0
Unit 4	4.01	18.67	199	149
Unit 5	3.62	31.93	195	0
Total	7.63	95.95		
Uran				
All Units	10.52	125.67	460	413
Total	10.52	125.67		
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)	0.30	3.31	42	0
Total	0.30	3.31		
Koyna				
Stage 1-2	5.54	68.86	565	40
Stage 4	5.30	89.84	690	0
Stage 3	2.71	33.67	240	0
Total	13.55	192.38		
Hydro				
KDPH	0.64	6.62	36	18
VTRNA	0.44	5.07	59	0
TILLARI	0.38	4.52	64	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.26	2.97	70	0
RNGR+BHTSA	0.37	3.73	16	15
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.76	7.52	39	29
GHATGHAR	1.76	17.33	250	0
Total	4.61	47.75		
Wind				
Total	13.90	112.68	0	0
Total	13.90	112.68		
CPP				
APML(Mus)	43.66	609.13	0	0
JSWEL(Mus)	10.68	134.14	0	0
VIPL(Mus)	12.13	145.13	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	4.21	48.40	0	0
Other(Mus)	9.44	108.77	0	0
Total	80.12	1045.56		
SOLAR				
Total	1.28	14.38	0	0
Total	1.28	14.38		
Tata				
Trombay 5	9.21	110.52	465	313
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.72	31.93	116	106
Trombay 7B	1.59	18.73	68	63
Trombay 8	0.00	15.40	0	0
TATA Hydro	5.53	53.52	459	31
Total	19.05	230.11		
R-INFRA				
1-2	10.55	124.92	509	382
Total	10.55	124.92		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
Koradi 10	2.60	3.67	MSPGCL Thermal	152.74	1648.20	MSPGCL Total	181.42	2014.00
			MSPGCL Thml+Gas	163.27	1773.87	Koyna 1,2 & 4 Total	10.84	158.71
			MSPGCL Hydro	18.16	240.13	State Total	306.33	3552.29

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 12/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	5787	122	450	6359	716	3241	0	0	3020	2710	-771	12255	0	12255	1647	13902	50.00
2	5763	122	452	6337	686	3261	0	0	1798	2506	-610	12180	0	12180	1488	13668	50.00
3	5818	127	452	6397	673	3217	0	0	2009	2300	-564	12023	0	12023	1432	13455	50.08
4	5900	131	451	6482	701	3246	0	0	1997	2297	-529	12197	0	12197	1394	13591	50.03
5	5904	121	451	6476	773	3256	0	0	2590	2389	-539	12355	0	12355	1406	13761	50.03
6	5939	121	451	6511	826	3254	0	0	3922	2938	-632	12897	0	12897	1498	14395	50.01
7	5961	302	451	6714	862	3276	0	0	3643	3904	-654	14102	0	14102	1620	15722	49.95
8	6099	1371	451	7921	809	3296	0	15	4241	5139	-685	16495	0	16495	1786	18281	49.87
9	6944	971	444	8359	647	3415	0	76	5157	5487	-704	17280	0	17280	2037	19317	49.91
10	6999	1249	460	8708	529	3430	0	138	5288	5632	-696	17741	0	17741	2284	20025	49.86
11	7052	1408	433	8893	463	3409	0	174	5360	5495	-927	17507	0	17507	2532	20039	49.95
12	7024	1186	426	8636	414	3409	0	169	5381	5164	-975	16817	0	16817	2575	19392	49.95
13	7068	973	428	8469	295	3394	0	189	5367	5383	-898	16832	0	16832	2513	19345	49.94
14	7079	1161	416	8656	223	3382	0	177	5295	5241	-866	16813	0	16813	2413	19226	49.99
15	6941	1153	413	8507	225	3407	0	156	5300	5365	-829	16831	0	16831	2406	19237	49.95
16	6820	1388	427	8635	207	3408	0	114	5300	5324	-788	16900	0	16900	2384	19284	49.96
17	6817	1483	428	8728	224	3429	0	60	5301	5419	-741	17119	0	17119	2349	19468	49.92
18	6848	1439	415	8702	271	3479	0	9	5280	5502	-754	17209	0	17209	2355	19564	49.92
19	6806	1036	424	8266	387	3460	0	0	5349	5388	-875	16626	0	16626	2426	19052	49.98
20	6448	380	437	7265	563	3446	0	0	5333	5409	-1019	15664	0	15664	2358	18022	49.99
21	5989	461	436	6886	757	3321	0	0	5060	5408	-1194	15178	0	15178	2270	17448	49.98
22	5807	890	438	7135	871	3267	0	0	4651	4980	-1198	15055	0	15055	2111	17166	50.04
23	5529	454	432	6415	870	3231	0	0	4623	4741	-1055	14202	0	14202	1938	16140	49.98
24	5401	107	458	5966	912	3190	0	0	4786	3782	-966	12884	0	12884	1851	14735	50.02
MUs	152.74	18.16	10.52	181.42	13.90	80.12	0.00	1.28	106.05	107.90	-19.47	365.16	0.00	365.16	49.07	414.23	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 12/Dec/2016

Position as on 6.30 Hrs of 13/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	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	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 12/Dec/2016

Position as on 6.30 Hrs of 13/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.	
PGPL	PGPL U1	262	09/12/2016	19.30	13/12/2016	04.00	NO SCHEDULE.	
PGPL	PGPL U2	126	09/12/2016	19.30	13/12/2016	05.10	NO SCHEDULE.	
MSPGCL	Nasik Unit 5	210	10/12/2016	23.00	12/12/2016	01.20	Withdrawn on BTL.	
MSPGCL	Nasik Unit 3	210	11/12/2016	16.50		Continued.	Boiler Tube Leakage	
MSPGCL	Koradi Unit 10	660	12/12/2016	15.26		Continued.	Water seperator drain tank level high	
MSPGCL	Chandrapur Unit 9	500	12/12/2016	22.07		Continued.	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 12/Dec/2016

Statement-VII

Position as on 6.30 Hrs of 13/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	11/12/2016	19.02	12/12/2016	07.56	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	12/12/2016	09.37	12/12/2016	18.32	PO	Outages For Maintenance.
Dhule Sar'Sarovar II	InterState	12/12/2016	18.38	13/12/2016	06.28	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	12/12/2016	23.43	13/12/2016	07.08	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	13/12/2016	02.02	13/12/2016	06.30	T	Over Voltage
karad -kolhapur-I	IntraState	09/12/2016	18.37		Continued.	HT	Over Voltage
Ektuni-Bableswhar 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	12/12/2016	07.40	PO	E/W Replacement & Maintenance Work.
400 KV ICT Outages/Trippings							
400/220kv 315 MVA ICT I @ Kolhapur	IntraState	12/12/2016	08.20	12/12/2016	19.01	PO	Outages For Maintenance.
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.
Nashik-Padgha	IntraState	11/12/2016	17.21	12/12/2016	11.46	T	Tripped On Dp, Y&B Phase Fault.
Chalisgaon -Babhaleswhar	IntraState	12/12/2016	05.04	12/12/2016	06.16	T	BPH CT BRUST AT CHALISGAON CKT 1.
Chalisgaon - Deepnagar	IntraState	12/12/2016	05.04	12/12/2016	05.50	T	RPH POLE BRUST DUE TO WHICH BUSER PROTECTION OPTED.
220KV Chalisagaon-Kopergaon	IntraState	12/12/2016	05.04	12/12/2016	06.45	T	RPH POLE BRUST DUE TO WHICH BUSER PROTECTION OPTED.
Padghe - Jambhul 1	IntraState	12/12/2016	15.11	12/12/2016	18.16	T	Tripped On Distance protocol.
Akola-Murtijapur	IntraState	12/12/2016	18.20	12/12/2016	18.38	T	BACKUP PROTACTON OPERATED.
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)
220/132 Kv 200 Mva Vijay Ict 1 @Chalisgaon	IntraState	12/12/2016	03.57	12/12/2016	04.50	T	BPH CT BRUST AT CHALISGAON CKT 1.
220/132 Kv 200 Mva Vijay Ict 2 @Chalisgaon	IntraState	12/12/2016	03.57	12/12/2016	04.52	T	BPH CT BRUST AT CHALISGAON CKT 1.
220/132 Kv 200 Mva Vijay Ict 1 @Chalisgaon	IntraState	12/12/2016	05.04	12/12/2016	05.52	T	RPH POLE BRUST DUE TO WHICH BUSER PROTECTION OPTED.
132 KV LINE Outages/Trippings							
Pachora-Chalisgaon-2	IntraState	12/12/2016	03.57	12/12/2016	04.51	T	BPH CT BRUST AT CHALISGAON CKT 1.
Chalisgaon-Pimparkhed	IntraState	12/12/2016	03.57	12/12/2016	04.59	T	BPH CT BRUST AT CHALISGAON CKT 1.

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 12/Dec/2016

Statement-VII

Position as on 6.30 Hrs of 13/Dec/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Chalisgaon - Manmad	IntraState	12/12/2016	03.57	12/12/2016	04.59	T	BPH CT BRUST AT CHALISGAON CKT 1.
Chalisgaon- Dhule	IntraState	12/12/2016	03.57		Continued.	T	BPH CT BRUST AT CHALISGAON CKT 1.
Chalisgaon- Kannad	IntraState	12/12/2016	03.57		Continued.	T	BPH CT BRUST AT CHALISGAON CKT 1.
Chalisgaon-Chalisgaon- 1	IntraState	12/12/2016	03.57	12/12/2016	15.41	T	BPH CT BRUST AT CHALISGAON CKT 1.
Chalisgaon-Chalisgaon-2	IntraState	12/12/2016	03.57	12/12/2016	04.59	T	BPH CT BRUST AT CHALISGAON CKT 1.
Pachora-Chalisgaon-1	IntraState	12/12/2016	03.57	12/12/2016	04.56	T	BPH CT BRUST AT CHALISGAON CKT 1.
Chalisgaon-Chalisgaon-2	IntraState	12/12/2016	05.04	12/12/2016	05.54	T	RPH POLE BRUST DUE TO WHICH BUSER PROTECTION OPTED.
Chalisgaon- Dhule	IntraState	12/12/2016	05.04	12/12/2016	05.56	T	RPH POLE BRUST DUE TO WHICH BUSER PROTECTION OPTED.
Chalisgaon-Pimparkhed	IntraState	12/12/2016	05.04	12/12/2016	06.50	T	RPH POLE BRUST DUE TO WHICH BUSER PROTECTION OPTED.
Pachora-Chalisgaon-2	IntraState	12/12/2016	05.04	12/12/2016	06.54	T	RPH POLE BRUST DUE TO WHICH BUSER PROTECTION OPTED.
Chalisgaon - Manmad	IntraState	12/12/2016	05.04	12/12/2016	06.49	T	RPH POLE BRUST DUE TO WHICH BUSER PROTECTION OPTED.
Pachora-Chalisgaon-1	IntraState	12/12/2016	05.04	12/12/2016	06.54	T	RPH POLE BRUST DUE TO WHICH BUSER PROTECTION OPTED.
100 KV LINE Outages/Trippings							
Kalwa - Mukand 2	IntraState	11/12/2016	09.12	12/12/2016	12.57	PO	Isolator Jaw Replacement Work.

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