

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 15/Dec/2016 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	140.591	2055.480	1) Gujrat	-1.994	-41.222
2) Hydro	20.772	302.839	2) Madhya Pradesh	7.274	98.863
3) Gas	6.652	147.892	3) Chattisgarh	6.770	110.690
Total MSPGCL	168.015	2506.211	4) Maharashtra Net	115.526	1654.494
B) 1) APML	43.616	740.215	5) Goa (Amona)	-0.684	-9.818
2) JSWEL	10.040	162.670	Total	126.892	1813.007
3) VIPL	12.920	183.763	a) Mumbai Schedule	22.733	312.823
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	27.025	342.463
5) WPCL	3.778	58.546	c) MSEDCL Bilateral *	32.508	299.073
6) PGPL	2.634	19.224	Include PX	0.693	10.038
7) Other IPP	9.141	136.788	d) Mumbai Bilateral *	22.733	312.823
C) 1) TPCL Thermal	9.624	155.024	Include PX	4.746	49.382
2) TPCL Hydro	5.243	69.573	Include Standby	0.000	0.000
3) TPCL Gas	3.195	59.314	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.817	157.388	1) MSEDCL	362.685	5452.040
D) STATE			2) Mumbai Discoms	55.904	783.757
1) Thermal	240.527	3649.874	TOTAL STATE	418.589	6235.797
(A1+C1+C4+(B1-B6))					
2) Hydro	26.015	372.412			
(A2+C2)					
3) Gas	12.481	226.430			
(A3+B6+C3)					
4) Wind	11.544	156.496			
6) SOLAR	1.130	17.583			
TOTAL STATE	291.697	4422.795			

* 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 17 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	6203	6190	6260	5128
MSPGCL Hydro	1755	1794	1451	94
MSPGCL Gas	274	273	277	277
MSPGCL Total Generation	8232	8257	7988	5499
Central Sector Receipt	5717	6109	6296	3695
WIND	557	238	398	579
CPP / IPP Thermal	3377	3378	3379	3167
CPP / IPP Gas	232	70	155	0
SOLAR	148	38	0	0
Exchange with Mumbai	-1327	-1211	-1219	-817
MSEDCL DEMAND MET	16936	16879	16997	12123
Load Shedding	0	0	0	0
MSEDCL DEMAND	16936	16879	16997	12123
TPCL GENERATION	1026	1051	1043	411
R-INFRA GENERATION	505	506	506	384
MUMBAI DEMAND	2858	2768	2768	1612
STATE DEMAND MET	19794	19647	19765	13735
STATE DEMAND	19794	19647	19765	13735
Frequency (Hz)	49.99	49.93	49.98	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.18 Hz at 12:02 Hrs	49.74 Hz at 07:36 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 15/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	3.80	26.39	165	150
Unit 8	0.00	144.07	0	0
Unit 9	8.49	141.28	359	350
Total	12.29	311.74		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	10.74	153.16	500	350
Unit 5	10.06	150.96	510	360
Total	20.80	304.12		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.37	77.77	250	191
Unit 7	5.20	75.70	234	180
Unit 8	0.00	0.00	0	0
Total	10.57	153.47		
Chandrapur				
Unit 3	4.48	55.19	199	163
Unit 4	4.46	66.01	194	174
Unit 5	10.17	144.74	460	368
Unit 6	10.17	82.57	455	355
Unit 7	9.47	139.93	420	368
Unit 8	10.77	106.15	500	360
Unit 9	0.00	71.32	0	0
Total	49.52	665.92		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.46	80.14	259	190
Total	5.46	80.14		
Khaparkheda				
Unit 1	4.32	54.05	200	155
Unit 2	4.32	63.88	200	160
Unit 3	4.46	65.59	203	160
Unit 4	4.34	63.86	195	161
Unit 5	11.04	162.25	505	370
Total	28.47	409.62		
Nasik				
Unit 3	0.00	45.35	0	0
Unit 4	4.36	31.70	203	159
Unit 5	4.40	45.01	199	165
Total	8.76	122.06		
Uran				
All Units	6.65	147.89	288	270
Total	6.65	147.89		
PGPL				
Unit 1	1.62	11.90	142	0
Unit 2	1.02	7.32	91	0
Total	2.63	19.22		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.36	3.89	48	0
Total	0.36	3.89		
Koyna				
Stage 1-2	4.16	85.31	530	40
Stage 4	9.48	114.71	843	0
Stage 3	2.85	42.67	240	0
Total	16.49	242.69		
Hydro				
KDPH	0.22	7.04	19	0
VTRNA	0.45	6.38	60	0
TILLARI	0.36	5.64	63	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.33	3.95	80	0
RNGR+BHTSA	0.34	4.80	15	14
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.81	9.94	43	30
GHATGHAR	1.79	22.40	250	0
Total	4.28	60.15		
Wind				
Total	11.54	156.50	0	0
Total	11.54	156.50		
CPP				
APML(Mus)	43.62	740.22	0	0
JSWEL(Mus)	10.04	162.67	0	0
VIPL(Mus)	12.92	183.76	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	3.78	58.55	0	0
Other(Mus)	9.14	136.79	0	0
Total	79.50	1281.98		
SOLAR				
Total	1.13	17.58	0	0
Total	1.13	17.58		
Tata				
Trombay 5	9.62	139.62	470	313
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.91	36.99	115	52
Trombay 7B	1.29	22.33	68	43
Trombay 8	0.00	15.40	0	0
TATA Hydro	5.24	69.57	459	12
Total	18.06	283.91		
R-INFRA				
1-2	10.82	157.39	510	384
Total	10.82	157.39		

* Infirm Power		
Particulars	Daily (Mus)	Monthly
Koradi 10	4.70	8.41

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	140.59	2055.48
MSPGCL Thml+Gas	147.24	2203.37
MSPGCL Hydro	20.77	302.84

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	168.02	2506.21
Koyna 1,2 & 4 Total	13.64	200.02
State Total	291.70	4422.80

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 15/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	5110	95	277	5482	580	3127	0	0	4230	4271	-1055	12405	0	12405	1851	14256	49.99
2	5124	90	278	5492	555	3155	0	0	4160	3929	-885	12246	0	12246	1694	13940	49.95
3	5128	94	277	5499	579	3167	0	0	3931	3695	-817	12123	0	12123	1612	13735	49.96
4	5162	85	278	5525	651	3149	0	0	3802	3717	-759	12283	0	12283	1558	13841	49.98
5	5169	90	288	5547	641	3166	28	0	4101	3974	-746	12610	0	12610	1559	14169	49.95
6	5502	312	278	6092	662	3194	83	0	4736	4691	-814	13907	0	13907	1653	15560	49.95
7	6079	427	276	6782	686	3324	163	0	5478	5287	-977	15265	0	15265	1880	17145	49.97
8	6202	1437	278	7917	710	3367	222	9	5455	5311	-780	16757	0	16757	2025	18782	49.89
9	6128	1508	286	7922	716	3375	231	68	5665	5558	-1023	16847	0	16847	2393	19240	49.98
10	6191	1506	276	7973	655	3406	231	119	5700	5790	-1070	17104	0	17104	2575	19679	49.93
11	6203	1755	274	8232	557	3377	232	148	5771	5717	-1327	16936	0	16936	2858	19794	49.99
12	6198	1346	275	7819	472	3383	231	192	5651	5700	-1346	16451	0	16451	2881	19332	49.98
13	6268	1185	273	7726	454	3393	231	170	5689	5620	-1321	16273	0	16273	2833	19106	49.96
14	6247	1235	272	7754	336	3369	232	151	5625	5786	-1269	16359	0	16359	2729	19088	49.99
15	6205	1393	270	7868	249	3404	232	134	5629	5716	-1260	16343	0	16343	2761	19104	49.92
16	6086	1629	275	7990	213	3376	232	95	5666	5814	-1257	16463	0	16463	2779	19242	49.91
17	6190	1794	273	8257	238	3378	70	38	5640	6109	-1211	16879	0	16879	2768	19647	49.93
18	6277	1699	273	8249	351	3380	27	6	5668	5614	-1133	16493	0	16493	2737	19230	49.92
19	6260	1451	277	7988	398	3379	155	0	5811	6296	-1219	16997	0	16997	2768	19765	49.98
20	6262	623	288	7173	352	3373	34	0	6002	5845	-1267	15510	0	15510	2703	18213	49.99
21	6000	192	275	6467	322	3383	0	0	5955	5999	-1302	14869	0	14869	2527	17396	49.95
22	5703	256	274	6233	299	3390	0	0	5812	5983	-1467	14438	0	14438	2416	16854	49.95
23	5628	182	280	6090	412	3268	0	0	5416	5412	-1443	13739	0	13739	2262	16001	49.99
24	5269	388	281	5938	456	3211	0	0	4759	5058	-1277	13386	0	13386	2082	15468	50.03
MUs	140.59	20.77	6.65	168.01	11.54	79.49	2.63	1.13	126.35	126.89	-27.02	362.68	0.00	362.68	55.90	418.59	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 15/Dec/2016

Position as on 6.30 Hrs of 16/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 4	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Parli Unit 5	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 15/Dec/2016

Position as on 6.30 Hrs of 16/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		Continued.	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	
CPP	WPCL U-4	135	14/12/2016	05.50	15/12/2016	01.42	ID Fan Problem	
PGPL	PGPL U1	262	14/12/2016	19.29	15/12/2016	04.00	No Schedule	
PGPL	PGPL U2	126	14/12/2016	19.30	15/12/2016	05.01	No Schedule	
CPP	WPCL U-4	135	15/12/2016	03.00	15/12/2016	05.13	Turbine bearing Vabration high	
PGPL	PGPL U1	262	15/12/2016	16.18	15/12/2016	17.27	Generator protection	
PGPL	PGPL U2	126	15/12/2016	16.18	15/12/2016	18.04	Generator protection	
PGPL	PGPL U1	262	15/12/2016	19.30	16/12/2016	03.58	No Schedule	
PGPL	PGPL U2	126	15/12/2016	19.30	16/12/2016	04.57	No Schedule	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Dec/2016

Statement-VII

Position as on 6.30 Hrs of 16/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	14/12/2016	19.47	15/12/2016	06.13	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	14/12/2016	23.44	15/12/2016	06.13	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	15/12/2016	20.11		Continued.	HT	Over Voltage
Ektuni-Bableswhar ckt II	IntraState	09/12/2016	19.37		Continued.	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	14/12/2016	19.42	15/12/2016	10.38	HT	Over Voltage
Dhule- Bableswhar - I	IntraState	15/12/2016	09.41	15/12/2016	14.41	PO	Online PID Testing Work @ Various Locations (ckt will be in Service Only AR Shall be Shifted to Non Auto Mode).
Dhule - Bableswhar - li	IntraState	15/12/2016	09.41	15/12/2016	14.41	PO	Online PID Testing Work @ Various Locations (ckt will be in Service Only AR Shall be Shifted to Non Auto Mode).
Chandrapur-Parali III	IntraState	15/12/2016	16.33	15/12/2016	18.42	PO	Line Maintenance work
karad -kolhapur-II	IntraState	15/12/2016	20.12		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220KV 500MVA ICT-I @Nanded	IntraState	15/12/2016	12.19	15/12/2016	13.43	PO	To Attend Oil Leakage B Ph Unit Conservator Tank.
400/220KV 500MVA ICT 1 @Koaradi2	IntraState	15/12/2016	13.37	15/12/2016	18.38	PO	To Attend OLTC Problem.
400/220/33 Kv 315 Mva Ict 1 @Dhule	IntraState	15/12/2016	20.07		Continued.	EO	Attending Hot Spot
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.
Shivajinagar - Malegaon	IntraState	14/12/2016	12.39	15/12/2016	14.07	T	Distance Protection
Karad(400kv) -Mudshingi Ckt 2-Tak	IntraState	14/12/2016	17.01	15/12/2016	12.44	T	Distance Protection
Hingoli- Girawali	IntraState	14/12/2016	20.26	15/12/2016	00.17	T	Distance Protection
Karad-Nerle	IntraState	15/12/2016	09.33	15/12/2016	18.14	PO	Final Stringing of 220KV Karad-Koyna Ckt.
karad - Dasgaon	IntraState	15/12/2016	10.02		Continued.	PO	Final Stringing of 220KV Karad-Koyna Ckt.
Urse - Talegaon (Ambi) Ckt 1	IntraState	15/12/2016	10.02	15/12/2016	16.31	PO	CT Replacement & Testing Work.
Lonikand-VSNL	IntraState	15/12/2016	10.10	15/12/2016	12.07	PO	Testing Work
Chalishaon - Deepnagar	IntraState	15/12/2016	10.26	15/12/2016	18.58	PO	Quarterly Maintainance Work
Lonand-Baramati	IntraState	15/12/2016	10.57		Continued.	PO	Replacement of Flashover String.
Talandge(400kv)- Sawantwadi(Insul	IntraState	15/12/2016	11.16	15/12/2016	16.50	PO	Testing Work
Bombay Dyeing - Sahara	IntraState	15/12/2016	12.50	15/12/2016	15.15	HT	CB Problem Sahara End.

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 15/Dec/2016

Statement-VII

Position as on 6.30 Hrs of 16/Dec/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Parli 2 (Girwali)- Parbhani	IntraState	15/12/2016	13.41	15/12/2016	13.54	T	Tripped on B/C.
Amalner - Bambhori	IntraState	15/12/2016	19.06		Continued.	T	Distance Protection
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 150 Mva Cgl Ptr No 7 @Chinchwad	IntraState	15/12/2016	09.12	15/12/2016	18.52	PO	Testing Work
220/132KV 100MVA -1@Alephata	IntraState	15/12/2016	09.15	15/12/2016	10.53	PO	To Attend Oil Leakage Y Ph Bushing.
220/100 Kv 50 Mva Gec Ict 1 @Kandalgaon	IntraState	15/12/2016	12.15		Continued.	PO	Augumentation Work(Outage for 3 Months).
132 KV LINE Outages/Trippings							
Nardana-Shirpur	IntraState	14/12/2016	23.32	15/12/2016	00.10	T	Distance Protection
Pusad-Jambazar	IntraState	15/12/2016	14.20	15/12/2016	14.26	T	ICT-I LTS Operated.
Pusad-Gunj	IntraState	15/12/2016	14.20	15/12/2016	14.25	T	ICT-I LTS Operated.

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