

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 31/Dec/2016 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	137.821	4211.597	1) Gujrat	-2.287	-81.004
2) Hydro	14.242	598.884	2) Madhya Pradesh	8.654	241.048
3) Gas	8.170	306.122	3) Chattisgarh	8.350	232.980
Total MSPGCL	160.233	5116.603	4) Maharashtra Net	102.873	3396.275
B) 1) APML	49.903	1476.363	5) Goa (Amona)	-0.642	-19.388
2) JSWEL	11.447	345.285	Total	116.948	3769.911
3) VIPL	7.552	335.156	a) Mumbai Schedule	13.657	596.852
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	16.598	667.068
5) WPCL	3.907	119.782	c) MSEDCL Bilateral *	34.344	831.404
6) PGPL	3.021	36.120	Include PX	1.484	25.698
7) Other IPP	9.533	284.209	d) Mumbai Bilateral *	13.657	596.852
C) 1) TPCL Thermal	14.333	356.155	Include PX	2.319	98.333
2) TPCL Hydro	2.784	126.947	Include Standby	0.000	0.000
3) TPCL Gas	4.355	122.482	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.457	324.588	1) MSEDCL	349.107	11090.677
D) STATE			2) Mumbai Discoms	48.527	1597.235
1) Thermal	244.953	7453.135	TOTAL STATE	397.634	12687.912
(A1+C1+C4+(B1-B6))					
2) Hydro	17.026	725.831			
(A2+C2)					
3) Gas	15.546	464.724			
(A3+B6+C3)					
4) Wind	1.979	236.794			
6) SOLAR	1.182	37.522			
TOTAL STATE	280.686	8918.006			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 12 Hrs	B. Day Peak at 14 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 23 Hrs
MSPGCL Thermal	6394	6332	5241	5249
MSPGCL Hydro	1544	1206	398	75
MSPGCL Gas	284	292	286	304
MSPGCL Total Generation	8222	7830	5925	5628
Central Sector Receipt	6005	6014	5396	3440
WIND	52	38	109	129
CPP / IPP Thermal	3665	3634	3557	3088
CPP / IPP Gas	231	233	183	0
SOLAR	173	173	0	0
Exchange with Mumbai	-880	-741	-1011	-809
MSEDCL DEMAND MET	17468	17181	14159	11476
Load Shedding	0	0	0	0
MSEDCL DEMAND	17468	17181	14159	11476
TPCL GENERATION	1125	1076	1016	741
R-INFRA GENERATION	503	509	386	386
MUMBAI DEMAND	2508	2326	2413	1936
STATE DEMAND MET	19976	19507	16572	13412
STATE DEMAND	19976	19507	16572	13412
Frequency (Hz)	49.92	49.95	49.99	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 17:02 Hrs	49.74 Hz at 06:40 Hrs	49.95	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 31/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	0.00	41.25	0	0
Unit 8	0.00	144.07	0	0
Unit 9	9.66	277.82	407	398
Total	9.66	463.14		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	10.12	317.06	505	360
Unit 5	10.24	315.77	510	360
Total	20.36	632.83		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.22	162.37	250	194
Unit 7	5.10	158.80	252	187
Unit 8	0.00	0.00	0	0
Total	10.32	321.17		
Chandrapur				
Unit 3	4.40	125.37	196	169
Unit 4	4.35	121.35	194	168
Unit 5	9.87	284.43	475	360
Unit 6	9.63	237.44	445	360
Unit 7	9.19	285.13	425	346
Unit 8	10.39	226.19	500	360
Unit 9	9.83	206.52	500	341
Total	57.66	1486.42		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.31	164.26	251	197
Total	5.31	164.26		
Khaparkheda				
Unit 1	4.09	120.86	190	150
Unit 2	4.21	131.37	195	165
Unit 3	4.19	134.37	193	162
Unit 4	4.20	125.28	191	164
Unit 5	9.86	326.35	485	355
Total	26.55	838.22		
Nasik				
Unit 3	0.00	45.35	0	0
Unit 4	3.97	97.05	168	161
Unit 5	3.99	111.31	170	165
Total	7.96	253.71		
Uran				
All Units	8.17	306.12	476	274
Total	8.17	306.12		
PGPL				
Unit 1	1.80	22.09	142	0
Unit 2	1.22	14.03	93	0
Total	3.02	36.12		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.68	7.81	53	0
Total	0.68	7.81		
Koyna				
Stage 1-2	3.28	163.62	465	40
Stage 4	6.01	232.64	806	0
Stage 3	2.06	84.31	240	0
Total	11.35	480.56		
Hydro				
KDPH	0.00	12.03	0	0
VTRNA	0.44	13.40	59	0
TILLARI	0.00	5.64	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.10	7.20	40	0
RNGR+BHTSA	0.36	10.64	16	15
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.32	20.26	23	10
GHATGHAR	1.66	49.16	250	0
Total	2.89	118.32		
Wind				
Total	1.98	236.79	0	0
Total	1.98	236.79		
CPP				
APML(Mus)	49.90	1476.36	0	0
JSWEL(Mus)	11.45	345.28	0	0
VIPL(Mus)	7.55	335.16	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	3.91	119.78	0	0
Other(Mus)	9.53	284.21	0	0
Total	82.34	2560.80		
SOLAR				
Total	1.18	37.52	0	0
Total	1.18	37.52		
Tata				
Trombay 5	9.04	285.69	471	314
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.76	76.16	116	111
Trombay 7B	1.60	46.33	68	64
Trombay 8	5.29	70.47	249	200
TATA Hydro	2.78	126.95	321	0
Total	21.47	605.58		
R-INFRA				
1-2	10.46	324.59	510	385
Total	10.46	324.59		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
Koradi 10	0.00	51.85	MSPGCL Thermal	137.82	4211.60	MSPGCL Total	160.23	5116.60
			MSPGCL Thml+Gas	145.99	4517.72	Koyna 1,2 & 4 Total	9.29	396.25
			MSPGCL Hydro	14.24	598.88	State Total	280.69	8918.01

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 31/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	5241	272	469	5982	68	3180	0	0	4017	3713	-574	12369	0	12369	1652	14021	49.97
2	5236	81	463	5780	46	3150	0	0	4295	3789	-453	12312	0	12312	1536	13848	50.01
3	5255	66	476	5797	55	3157	0	0	4110	3732	-374	12367	0	12367	1457	13824	49.96
4	5266	71	463	5800	67	3179	0	0	3772	3627	-335	12338	0	12338	1417	13755	49.93
5	5267	71	466	5804	88	3170	31	0	4183	4136	-333	12896	0	12896	1419	14315	49.96
6	5579	71	476	6126	98	3362	84	0	4574	4224	-428	13466	0	13466	1510	14976	49.96
7	5849	188	360	6397	106	3568	159	0	5321	4821	-493	14558	0	14558	1616	16174	49.94
8	6265	751	311	7327	112	3600	220	7	5320	5360	-315	16312	0	16312	1725	18037	49.88
9	6309	1347	302	7958	87	3568	231	56	5511	5780	-535	17145	0	17145	1987	19132	49.89
10	6365	1537	308	8210	63	3579	231	116	5718	5417	-636	16980	0	16980	2173	19153	49.86
11	6401	1436	299	8136	41	3602	231	152	5937	5926	-819	17269	0	17269	2452	19721	49.91
12	6394	1544	284	8222	52	3665	231	173	5813	6005	-880	17468	0	17468	2508	19976	49.92
13	6328	1454	283	8065	39	3673	231	180	5694	5501	-886	16804	0	16804	2481	19285	49.92
14	6332	1206	292	7830	38	3634	233	173	5677	6014	-741	17181	0	17181	2326	19507	49.95
15	6345	822	274	7441	50	3590	233	149	5722	5696	-730	16429	0	16429	2329	18758	49.90
16	6354	986	283	7623	36	3570	233	111	5718	5859	-728	16704	0	16704	2323	19027	49.95
17	6161	715	296	7172	41	3560	233	56	5483	5895	-751	16206	0	16206	2305	18511	49.97
18	5394	302	286	5982	63	3561	233	9	5344	5346	-934	14259	0	14259	2276	16535	49.96
19	5241	398	286	5925	109	3557	183	0	5299	5396	-1011	14159	0	14159	2413	16572	49.99
20	5248	470	300	6018	149	3556	22	0	5500	5011	-1057	13699	0	13699	2423	16122	50.00
21	5259	176	292	5727	163	3481	0	0	4955	4632	-1057	12946	0	12946	2286	15232	49.98
22	5223	138	290	5651	154	3193	0	0	4031	4111	-1009	12100	0	12100	2141	14241	49.97
23	5249	75	304	5628	129	3088	0	0	3640	3440	-809	11476	0	11476	1936	13412	49.95
24	5260	65	307	5632	125	3100	0	0	3538	3517	-710	11664	0	11664	1836	13500	49.97
MUs	137.82	14.24	8.17	160.23	1.98	82.34	3.02	1.18	119.17	116.95	-16.60	349.11	0.00	349.11	48.53	397.63	49.95

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 31/Dec/2016

Position as on 6.30 Hrs of 01/Jan/2017

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	
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.	
MSPGCL	Nasik Unit 3	210	11/12/2016	16.50		Continued.	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 31/Dec/2016

Position as on 6.30 Hrs of 01/Jan/2017

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Koradi Unit 7	210	19/12/2016	21.52		Continued.	Zero Schedule BY MSEDCL	
PGPL	PGPL U1	262	28/12/2016	19.15	31/12/2016	03.59	No Schedule	
PGPL	PGPL U2	126	28/12/2016	19.18	31/12/2016	04.55	No Schedule	
MSPGCL	Koradi Unit 10	660	29/12/2016	04.54		Continued.	Boiler Tube Leakage	
MSPGCL	Uran Unit 6	108	31/12/2016	06.33		Continued.	Gas shortage	
PGPL	PGPL U2	126	31/12/2016	19.15		Continued.	No Schedule	
PGPL	PGPL U1	262	31/12/2016	19.15		Continued.	No Schedule	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 31/Dec/2016

Statement-VII

Position as on 6.30 Hrs of 01/Jan/2017

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							
Akola Wardha I	InterState	30/12/2016	15.04	31/12/2016	10.50	T	Distance Protection
Dhule Sar'Sarovar II	InterState	30/12/2016	18.10	31/12/2016	07.27	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	31/12/2016	09.00		Continued.	PO	For Lilo At Alkud S/Stn.
Dhule Sar'Sarovar II	InterState	31/12/2016	17.16	01/01/2017	09.00	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	01/01/2017	17.24		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	30/12/2016	16.08	31/12/2016	09.29	HT	Over Voltage
karad -kolhapur-II	IntraState	30/12/2016	16.09	31/12/2016	06.41	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	30/12/2016	17.23	31/12/2016	07.20	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	30/12/2016	22.07	31/12/2016	07.31	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	31/12/2016	16.51	01/01/2017	08.57	HT	Over Voltage
karad -kolhapur-I	IntraState	31/12/2016	19.35	01/01/2017	09.12	HT	Over Voltage
Karad - Jaigad - II	IntraState	31/12/2016	19.40	01/01/2017	09.17	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	31/12/2016	21.18	01/01/2017	08.56	HT	Over Voltage
karad -kolhapur-I	IntraState	01/01/2017	16.41		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	01/01/2017	16.44		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	01/01/2017	17.19		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	01/01/2017	17.26		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220 Kv 600 MVA ICT-IV @Padghe	IntraState	30/12/2016	08.55	01/01/2017	18.24	PO	Diagnostic Testing And Maintenance Work.
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.
Kalwa - Borivali	IntraState	27/10/2016	08.32	31/12/2016	20.15	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	01/01/2017	16.51	HT	outage availed on 28.10.2016 at 09:30hrs for construction activity of mumbai strenghtning work.
Padgha-Temghar-II	IntraState	30/12/2016	08.44	01/01/2017	18.46	HT	On trolling ICT At Padgha.
Padgha - Temghar I	IntraState	30/12/2016	08.44	01/01/2017	18.47	HT	On trolling ICT At Padgha.
Pegasus - Infosys	IntraState	31/12/2016	10.37	31/12/2016	17.11	PO	Testing Work
Kharghar - Nerul	IntraState	31/12/2016	11.30		Continued.	PO	High AMP Conductor Repalcement.
Kalmeshwar-Pandhurna	IntraState	31/12/2016	12.21	31/12/2016	16.21	PO	Attending Oil Leakage
Kolhapur-Birdi	IntraState	31/12/2016	15.09	31/12/2016	16.58	PO	Line 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)
220/100 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 ICT IV @Padghe	IntraState	27/12/2016	17.30		Continued.	PO	Testing Work
132 KV LINE Outages/Trippings							
Daund-Alegaon	IntraState	25/12/2016	07.30		Continued.	PO	CONSTRUCTION WORK.

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 31/Dec/2016

Statement-VII

Position as on 6.30 Hrs of 01/Jan/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Kanhan-Pench	IntraState	31/12/2016	11.37	31/12/2016	14.46	PO	Damaged Control Cable Replacement.
Beed(220kv) -Telgaon	IntraState	31/12/2016	12.32	31/12/2016	12.55	T	Distance Protection