

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 30/Dec/2016 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	131.497	4073.776	1) Gujrat	-2.672	-78.717
2) Hydro	11.383	584.642	2) Madhya Pradesh	7.468	232.394
3) Gas	10.786	297.952	3) Chattisgarh	8.470	224.630
Total MSPGCL	153.666	4956.370	4) Maharashtra Net	112.134	3293.402
B) 1) APML	50.291	1426.460	5) Goa (Amona)	-0.584	-18.746
2) JSWEL	10.835	333.838	Total	124.816	3652.963
3) VIPL	7.208	327.604	a) Mumbai Schedule	14.524	583.195
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	17.994	650.470
5) WPCL	3.975	115.875	c) MSEDCL Bilateral *	34.718	797.061
6) PGPL	0.000	33.099	Include PX	2.064	24.215
7) Other IPP	9.458	274.676	d) Mumbai Bilateral *	14.524	583.195
C) 1) TPCL Thermal	14.276	341.822	Include PX	3.409	96.013
2) TPCL Hydro	3.795	124.163	Include Standby	0.000	0.000
3) TPCL Gas	4.099	118.127	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.463	314.131	1) MSEDCL	346.287	10741.570
D) STATE			2) Mumbai Discoms	50.627	1548.708
1) Thermal	238.003	7208.182	TOTAL STATE	396.914	12290.278
(A1+C1+C4+(B1-B6))					
2) Hydro	15.178	708.805			
(A2+C2)					
3) Gas	14.885	449.178			
(A3+B6+C3)					
4) Wind	2.815	234.815			
6) SOLAR	1.217	36.340			
TOTAL STATE	272.098	8637.320			

* 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 13 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 24 Hrs
MSPGCL Thermal	6176	6287	5233	5245
MSPGCL Hydro	1290	1163	503	271
MSPGCL Gas	449	424	434	457
MSPGCL Total Generation	7915	7874	6170	5973
Central Sector Receipt	6196	5926	5229	3452
WIND	105	93	132	67
CPP / IPP Thermal	3501	3511	3485	3113
CPP / IPP Gas	0	0	0	0
SOLAR	176	179	0	0
Exchange with Mumbai	-951	-952	-1140	-809
MSEDCL DEMAND MET	16942	16631	13876	11796
Load Shedding	0	0	0	0
MSEDCL DEMAND	16942	16631	13876	11796
TPCL GENERATION	1199	1173	1016	674
R-INFRA GENERATION	509	510	386	386
MUMBAI DEMAND	2659	2635	2542	1869
STATE DEMAND MET	19601	19266	16418	13665
STATE DEMAND	19601	19266	16418	13665
Frequency (Hz)	49.98	49.92	49.95	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 05.02 Hrs	49.71 Hz at 10.17 Hrs	49.94	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 30/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	8.71	268.16	407	223
Total	8.71	453.48		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	10.15	306.94	510	355
Unit 5	10.16	305.53	510	350
Total	20.31	612.48		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.26	157.14	250	190
Unit 7	5.32	153.70	252	194
Unit 8	0.00	0.00	0	0
Total	10.58	310.85		
Chandrapur				
Unit 3	4.38	120.97	200	167
Unit 4	2.74	117.00	190	0
Unit 5	9.60	274.56	450	360
Unit 6	9.55	227.80	440	359
Unit 7	9.29	275.94	426	346
Unit 8	6.61	215.80	500	0
Unit 9	9.22	196.69	422	334
Total	51.39	1428.76		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.26	158.96	250	196
Total	5.26	158.96		
Khaparkheda				
Unit 1	4.18	116.76	195	150
Unit 2	4.30	127.16	200	160
Unit 3	4.36	130.18	204	165
Unit 4	4.21	121.07	190	164
Unit 5	10.24	316.49	500	365
Total	27.28	811.67		
Nasik				
Unit 3	0.00	45.35	0	0
Unit 4	3.99	93.08	169	163
Unit 5	3.98	107.31	170	160
Total	7.97	245.75		
Uran				
All Units	10.79	297.95	480	405
Total	10.79	297.95		
PGPL				
Unit 1	0.00	20.29	0	0
Unit 2	0.00	12.81	0	0
Total	0.00	33.10		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.72	7.13	53	0
Total	0.72	7.13		
Koyna				
Stage 1-2	2.66	160.34	265	40
Stage 4	3.75	226.62	733	0
Stage 3	1.52	82.25	240	0
Total	7.93	469.21		
Hydro				
KDPH	0.00	12.03	0	0
VTRNA	0.45	12.96	59	0
TILLARI	0.00	5.64	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.20	7.10	43	0
RNGR+BHTSA	0.36	10.27	16	15
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.46	19.94	29	16
GHATGHAR	1.98	47.50	250	0
Total	3.45	115.44		
Wind				
Total	2.82	234.82	0	0
Total	2.82	234.82		
CPP				
APML(Mus)	50.29	1426.46	0	0
JSWEL(Mus)	10.84	333.84	0	0
VIPL(Mus)	7.21	327.60	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	3.98	115.88	0	0
Other(Mus)	9.46	274.68	0	0
Total	81.77	2478.45		
SOLAR				
Total	1.22	36.34	0	0
Total	1.22	36.34		
Tata				
Trombay 5	8.94	276.64	467	314
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.56	73.40	120	92
Trombay 7B	1.54	44.73	69	58
Trombay 8	5.33	65.18	252	201
TATA Hydro	3.80	124.16	378	18
Total	22.17	584.11		
R-INFRA				
1-2	10.46	314.13	510	385
Total	10.46	314.13		

* Infirm Power		
Particulars	Daily (Mus)	Monthly
Koradi 10	0.00	51.85

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	131.50	4073.78
MSPGCL Thml+Gas	142.28	4371.73
MSPGCL Hydro	11.38	584.64

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	153.67	4956.37
Koyna 1,2 & 4 Total	6.42	386.96
State Total	272.10	8637.32

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 30/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	4530	278	467	5275	160	3205	0	0	4398	4297	-571	12366	0	12366	1641	14007	49.91
2	4551	125	474	5150	176	3179	0	0	4675	4345	-452	12398	0	12398	1508	13906	49.96
3	4570	72	461	5103	139	3184	0	0	4581	4392	-381	12437	0	12437	1439	13876	49.97
4	4593	87	478	5158	161	3187	0	0	4367	4483	-338	12651	0	12651	1394	14045	49.95
5	4574	202	468	5244	134	3171	0	0	4577	4813	-351	13011	0	13011	1409	14420	49.94
6	4703	77	480	5260	141	3468	0	0	5215	4991	-420	13440	0	13440	1481	14921	49.98
7	5697	90	468	6255	168	3564	0	0	5730	5314	-506	14795	0	14795	1649	16444	49.95
8	5831	1041	477	7349	165	3580	0	5	5729	5870	-302	16667	0	16667	1751	18418	49.90
9	5963	1319	471	7753	154	3534	0	60	6086	5839	-588	16752	0	16752	2097	18849	49.88
10	5998	1269	470	7737	127	3521	0	112	6367	6065	-808	16754	0	16754	2392	19146	49.94
11	6065	1098	452	7615	100	3557	0	164	6486	6397	-936	16897	0	16897	2589	19486	49.89
12	6176	1290	449	7915	105	3501	0	176	6336	6196	-951	16942	0	16942	2659	19601	49.98
13	6287	1163	424	7874	93	3511	0	179	6189	5926	-952	16631	0	16631	2635	19266	49.92
14	6322	525	426	7273	81	3461	0	171	6115	6183	-843	16326	0	16326	2509	18835	49.96
15	6354	330	416	7100	78	3501	0	157	6109	6034	-779	16091	0	16091	2510	18601	49.88
16	6327	311	434	7072	79	3497	0	115	6137	6022	-788	15997	0	15997	2520	18517	49.91
17	6155	176	410	6741	78	3490	0	66	5862	6328	-828	15875	0	15875	2521	18396	49.88
18	5360	71	405	5836	91	3493	0	12	5589	5465	-1071	13826	0	13826	2497	16323	49.92
19	5233	503	434	6170	132	3485	0	0	5304	5229	-1140	13876	0	13876	2542	16418	49.95
20	5248	646	430	6324	131	3478	0	0	5321	4891	-1118	13706	0	13706	2502	16208	49.96
21	5216	135	450	5801	97	3493	0	0	4962	4685	-1101	12975	0	12975	2335	15310	49.97
22	5226	138	446	5810	84	3425	0	0	4572	4027	-1062	12284	0	12284	2199	14483	50.01
23	5273	166	439	5878	74	3169	0	0	3924	3572	-899	11794	0	11794	1979	13773	49.97
24	5245	271	457	5973	67	3113	0	0	3824	3452	-809	11796	0	11796	1869	13665	50.02
MUs	131.50	11.38	10.79	153.67	2.82	81.77	0.00	1.22	128.46	124.82	-17.99	346.29	0.00	346.29	50.63	396.91	49.94

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 30/Dec/2016

Position as on 6.30 Hrs of 31/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	
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 30/Dec/2016

Position as on 6.30 Hrs of 31/Dec/2016

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	
MSPGCL	Chandrapur Unit 4	210	27/12/2016	09.39	30/12/2016	06.00	Boiler Tube Leakage	
MSPGCL	Chandrapur Unit-8	500	29/12/2016	04.22	30/12/2016	02.51	Electrical fault.	
MSPGCL	Koradi Unit 10	660	29/12/2016	04.54		Continued.	Boiler Tube Leakage	
MSPGCL	Chandrapur Unit-8	500	30/12/2016	02.52	30/12/2016	05.30	Tripped in Reverse power	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Dec/2016

Statement-VII

Position as on 6.30 Hrs of 31/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	29/12/2016	18.10	30/12/2016	07.57	HT	Over Voltage
Akola Wardha I	InterState	30/12/2016	15.04		Continued.	T	Distance Protection
Dhule Sar'Sarovar II	InterState	30/12/2016	18.10	30/12/2016	17.51	HT	Over Voltage
karad -kolhapur-I	IntraState	29/12/2016	16.34	30/12/2016	10.01	HT	Over Voltage
Karad - Jaigad - II	IntraState	29/12/2016	16.35	30/12/2016	10.03	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	29/12/2016	17.39	30/12/2016	07.03	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	29/12/2016	22.05	30/12/2016	07.38	HT	Over Voltage
Dhule- Bableshwar - I	IntraState	30/12/2016	11.50	30/12/2016	17.14	EO	Conductor Repair Sleeves.
Karad-Jaigad - I	IntraState	30/12/2016	16.08		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	30/12/2016	16.09	30/12/2016	06.41	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	30/12/2016	17.23		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	30/12/2016	22.07		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220 Kv 600 MVA ICT-IV @Padghe	IntraState	30/12/2016	08.55		Continued.	PO	Diagnostic Testing And Maintenance Work.
400/220/33 kv 315 MVA ICT-I @Chandrapur	IntraState	30/12/2016	13.17	30/12/2016	14.29	PO	Air Venting From Buchholz.
400/220kv, 500 MVA ICT-II @Deepnagar	IntraState	30/12/2016	17.05	30/12/2016	17.36	T	During Testing 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		Continued.	HT	Outage availed on 28.10.2016 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.
Loteparshuram- Dasturi Line	IntraState	29/12/2016	13.33	30/12/2016	00.35	T	Distance Protection
Padgha-Temghar-II	IntraState	30/12/2016	08.44		Continued.	HT	On trolling ICT At Padgha.
Padgha - Temghar I	IntraState	30/12/2016	08.44		Continued.	HT	On trolling ICT At Padgha.
Babhaleshwar-Nagar-I	IntraState	30/12/2016	09.13	30/12/2016	14.11	T	Distance Protection
Jambhul - Pal	IntraState	30/12/2016	10.14	30/12/2016	18.10	PO	Annual Maintenance Work
Kamba - Kolshet	IntraState	30/12/2016	11.52	30/12/2016	17.30	PO	Testing And 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
220/100 Kv 200 Mva Vijai Ict 3 @Trombay	IntraState	30/12/2016	10.01	30/12/2016	18.04	PO	To Check CTR Fire Protection System.
220/132 KV 150MVA ICT I @ Boisar	IntraState	30/12/2016	10.16	30/12/2016	13.49	PO	HV Side Y-Phase LA Replacement.
220/100 Kv 100 Mva Cgl Ict 1 @Taloja	IntraState	30/12/2016	14.24	30/12/2016	23.15	PO	LA Burst.
132 KV LINE 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 30/Dec/2016

Statement-VII

Position as on 6.30 Hrs of 31/Dec/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Daund-Alegaon	IntraState	25/12/2016	07.30		Continued.	PO	CONSTRUCTION WORK.