

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 29/Dec/2016 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	122.531	3942.279	1) Gujrat	-3.897	-76.045
2) Hydro	22.827	573.259	2) Madhya Pradesh	7.269	224.926
3) Gas	10.880	287.166	3) Chattisgarh	8.780	216.160
Total MSPGCL	156.238	4802.704	4) Maharashtra Net	110.632	3181.268
B) 1) APML	50.183	1376.169	5) Goa (Amona)	-0.520	-18.162
2) JSWEL	11.763	323.003	Total	122.264	3528.147
3) VIPL	7.558	320.396	a) Mumbai Schedule	15.030	568.671
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	17.731	632.476
5) WPCL	4.114	111.900	c) MSEDCL Bilateral *	35.432	762.343
6) PGPL	0.000	33.099	Include PX	1.206	22.151
7) Other IPP	9.285	265.218	d) Mumbai Bilateral *	15.030	568.671
C) 1) TPCL Thermal	14.333	327.546	Include PX	3.356	92.604
2) TPCL Hydro	3.867	120.368	Include Standby	0.000	0.000
3) TPCL Gas	3.393	114.028	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.438	303.668	1) MSEDCL	351.215	10395.283
D) STATE			2) Mumbai Discoms	49.762	1498.081
1) Thermal	230.205	6970.179	TOTAL STATE	400.977	11893.364
(A1+C1+C4+(B1-B6))					
2) Hydro	26.694	693.627			
(A2+C2)					
3) Gas	14.273	434.293			
(A3+B6+C3)					
4) Wind	6.318	232.000			
6) SOLAR	1.223	35.123			
TOTAL STATE	278.713	8365.222			

* 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 3 Hrs
MSPGCL Thermal	5591	5514	4414	5356
MSPGCL Hydro	2053	1790	803	115
MSPGCL Gas	430	425	436	465
MSPGCL Total Generation	8074	7729	5653	5936
Central Sector Receipt	5838	5634	6039	3184
WIND	231	235	165	424
CPP / IPP Thermal	3691	3700	3544	3183
CPP / IPP Gas	0	0	0	0
SOLAR	173	185	0	0
Exchange with Mumbai	-840	-870	-1121	-414
MSEDCL DEMAND MET	17167	16613	14280	12313
Load Shedding	412	477	0	0
MSEDCL DEMAND	17579	17090	14280	12313
TPCL GENERATION	1241	1167	984	628
R-INFRA GENERATION	507	510	386	386
MUMBAI DEMAND	2588	2547	2491	1428
STATE DEMAND MET	19755	19160	16771	13741
STATE DEMAND	20167	19637	16771	13741
Frequency (Hz)	49.98	49.96	49.98	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.18 Hz at 17.02 Hrs	49.78 Hz at 22.07 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 29/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	8.07	259.45	405	182
Total	8.07	444.77		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	10.15	296.80	510	355
Unit 5	10.26	295.37	510	360
Total	20.42	592.16		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.40	151.88	250	193
Unit 7	5.32	148.39	252	187
Unit 8	0.00	0.00	0	0
Total	10.73	300.27		
Chandrapur				
Unit 3	4.42	116.59	202	164
Unit 4	0.00	114.26	0	0
Unit 5	9.71	264.96	465	355
Unit 6	9.45	218.26	435	355
Unit 7	9.01	266.65	413	340
Unit 8	0.74	209.18	215	0
Unit 9	9.72	187.47	461	340
Total	43.04	1377.37		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.26	153.70	250	190
Total	5.26	153.70		
Khaparkheda				
Unit 1	4.20	112.59	200	155
Unit 2	4.31	122.86	200	165
Unit 3	4.34	125.82	203	163
Unit 4	0.32	116.86	156	0
Unit 5	10.28	306.25	500	370
Total	23.45	784.39		
Nasik				
Unit 3	0.00	45.35	0	0
Unit 4	4.24	89.09	202	163
Unit 5	4.22	103.33	200	164
Total	8.46	237.77		
Uran				
All Units	10.88	287.17	482	414
Total	10.88	287.17		
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)	0.48	6.41	42	0
Total	0.48	6.41		
Koyna				
Stage 1-2	6.77	157.67	570	45
Stage 4	9.41	222.87	952	0
Stage 3	3.53	80.73	310	0
Total	19.71	461.27		
Hydro				
KDPH	0.00	12.03	0	0
VTRNA	0.43	12.51	59	0
TILLARI	0.00	5.64	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.23	6.90	40	0
RNGR+BHTSA	0.36	9.91	16	15
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.44	19.48	28	15
GHATGHAR	1.65	45.51	250	0
Total	3.12	111.98		
Wind				
Total	6.32	232.00	0	0
Total	6.32	232.00		
CPP				
APML(Mus)	50.18	1376.17	0	0
JSWEL(Mus)	11.76	323.00	0	0
VIPL(Mus)	7.56	320.40	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	4.11	111.90	0	0
Other(Mus)	9.28	265.22	0	0
Total	82.90	2396.69		
SOLAR				
Total	1.22	35.12	0	0
Total	1.22	35.12		
Tata				
Trombay 5	9.04	267.70	470	314
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.04	70.84	115	63
Trombay 7B	1.36	43.19	68	48
Trombay 8	5.29	59.85	249	199
TATA Hydro	3.87	120.37	342	37
Total	21.59	561.94		
R-INFRA				
1-2	10.44	303.67	510	385
Total	10.44	303.67		

* Infirm Power		
Particulars	Daily (Mus)	Monthly
Koradi 10	3.10	51.85

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	122.53	3942.28
MSPGCL Thml+Gas	133.41	4229.44
MSPGCL Hydro	22.83	573.26

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	156.24	4802.70
Koyna 1,2 & 4 Total	16.18	380.54
State Total	278.71	8365.22

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 29/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	5270	76	462	5808	399	3182	0	0	3666	3497	-630	12256	0	12256	1640	13896	49.98
2	5308	221	474	6003	411	3179	0	0	3510	3219	-465	12347	0	12347	1480	13827	49.97
3	5356	115	465	5936	424	3183	0	0	3488	3184	-414	12313	0	12313	1428	13741	49.96
4	5453	110	480	6043	404	3214	0	0	3452	3394	-364	12691	0	12691	1379	14070	49.92
5	5062	175	470	5707	343	3229	0	0	4029	4059	-369	12969	0	12969	1385	14354	49.97
6	4627	211	477	5315	366	3500	0	0	4913	4323	-502	13002	0	13002	1516	14518	49.99
7	5394	312	470	6176	435	3587	0	0	5471	5012	-553	14657	0	14657	1592	16249	49.96
8	5509	1671	477	7657	470	3589	0	6	5592	5343	-484	16581	0	16581	1834	18415	49.96
9	5537	1861	482	7880	344	3608	0	63	5894	5555	-501	16949	0	16949	2002	18951	49.80
10	5527	2155	460	8142	246	3584	0	116	6031	5967	-664	17391	271	17662	2366	20028	49.95
11	5584	2222	459	8265	204	3604	0	157	6174	5857	-818	17268	316	17584	2531	20116	49.98
12	5591	2053	430	8074	231	3691	0	173	6299	5838	-840	17167	412	17579	2588	20167	49.98
13	5514	1790	425	7729	235	3700	0	185	6242	5634	-870	16613	477	17090	2547	19637	49.96
14	5498	1472	436	7406	218	3624	0	179	6215	6028	-785	16670	177	16847	2450	19297	50.02
15	5404	1445	418	7267	178	3572	0	154	6277	6402	-767	16806	0	16806	2462	19268	49.98
16	5441	1614	414	7469	137	3567	0	112	6283	6293	-784	16794	0	16794	2473	19267	49.98
17	5266	1458	429	7153	109	3552	0	63	6066	6386	-815	16448	0	16448	2469	18917	49.97
18	4658	531	434	5623	128	3549	0	8	6060	5723	-1055	13976	0	13976	2449	16425	49.95
19	4414	803	436	5653	165	3544	0	0	5899	6039	-1121	14280	0	14280	2491	16771	49.98
20	4400	719	459	5578	164	3544	0	7	5959	5993	-1128	14158	0	14158	2440	16598	49.97
21	4364	344	444	5152	199	3513	0	0	5771	5354	-1147	13071	0	13071	2319	15390	49.91
22	4402	559	464	5425	175	3247	0	0	4757	4896	-984	12759	0	12759	2153	14912	49.99
23	4444	469	448	5361	167	3191	0	0	4324	4027	-886	11860	0	11860	1963	13823	49.91
24	4508	441	467	5416	166	3150	0	0	4250	4241	-785	12188	0	12188	1805	13993	49.98
MUs	122.53	22.83	10.88	156.24	6.32	82.90	0.00	1.22	126.62	122.26	-17.73	351.21	1.65	352.87	49.76	402.63	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 29/Dec/2016

Position as on 6.30 Hrs of 30/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 29/Dec/2016

Position as on 6.30 Hrs of 30/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	Khaparkheda Unit 4	210	28/12/2016	12.22	29/12/2016	21.10	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 29/Dec/2016

Statement-VII

Position as on 6.30 Hrs of 30/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	28/12/2016	17.32	29/12/2016	07.19	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	29/12/2016	18.10		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	28/12/2016	16.39	29/12/2016	09.30	HT	Over Voltage
Karad-Jaigad - I	IntraState	28/12/2016	16.42	29/12/2016	09.34	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	28/12/2016	17.09	29/12/2016	07.15	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	28/12/2016	20.57	29/12/2016	09.34	HT	Over Voltage
Kalwa - Kharghar	IntraState	29/12/2016	07.46	29/12/2016	09.40	PO	PMU comissioning work
Akola-Nandgaonpeth (RPL)	IntraState	29/12/2016	10.17	29/12/2016	17.33	PO	Line signature test
Dhule - Bableshwar - li	IntraState	29/12/2016	12.32	29/12/2016	17.02	PO	Fixing of repaire sleeves at damaged portion of conductor
karad -kolhapur-I	IntraState	29/12/2016	16.34		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	29/12/2016	16.35		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	29/12/2016	17.39		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	29/12/2016	20.05		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220kv 315 Mva ICT III @Karad	IntraState	29/12/2016	12.13	29/12/2016	13.20	PO	Emergency H/T Due to SF6 Gas leakage
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 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.
Lonikand-II- Kathapur	IntraState	29/12/2016	11.26	29/12/2016	17.24	PO	Testing Work
Loteparshuram- Dasturi Line	IntraState	29/12/2016	13.33	30/12/2016	00.35	T	Distance Protection
Bableshwar -Ahamadnagar-I	IntraState	29/12/2016	17.59	29/12/2016	21.53	PO	String replacement 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
220/132-110kv 100mva Imp Ptr 1 @Wathar	IntraState	29/12/2016	15.05	29/12/2016	15.15	PO	Testing Work
220/132-110kv 100mva Imp Ptr 2 @Wathar	IntraState	29/12/2016	15.25	29/12/2016	15.55	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