

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 31/Dec/2017 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	118.921	3680.465	1) Gujrat	1.401	18.886
2) Hydro	7.697	171.473	2) Madhya Pradesh	10.158	395.529
3) Gas	7.876	305.353	3) Chattisgarh	5.930	211.140
Total MSPGCL	134.494	4157.291	4) Maharashtra Net	104.573	3404.679
B) 1) APML	48.719	1526.830	5) Goa (Amona)	-0.858	-27.940
2) JSWEL	15.746	520.147	Total	121.204	4002.294
3) VIPL	12.135	356.714	a) Mumbai Schedule	16.099	619.068
4) RPL(AMT)	5.278	253.267	b) Mumbai Drawl	13.433	673.347
5) WPCL	3.951	127.063	c) MSEDCL Bilateral *	22.670	930.167
6) PGPL	0.000	0.000	Include PX	-7.648	19.638
7) Other IPP	12.639	411.440	d) Mumbai Bilateral *	16.099	619.068
C) 1) TPCL Thermal	13.155	337.019	Include PX	-2.329	24.805
2) TPCL Hydro	0.466	130.210	Include Standby	0.000	0.000
3) TPCL Gas	4.353	120.944	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.080	282.663	1) MSEDCL	347.456	11096.825
D) STATE			2) Mumbai Discoms	41.486	1544.184
1) Thermal	240.624	7495.608	TOTAL STATE	388.942	12641.009
(A1+C1+C4+(B1-B6))					
2) Hydro	8.163	301.683			
(A2+C2)					
3) Gas	12.229	426.297			
(A3+B6+C3)					
4) Wind	3.454	323.724			
6) SOLAR	3.269	91.402			
TOTAL STATE	267.739	8638.714			

* 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 23 Hrs
MSPGCL Thermal	5565	5574	4557	4377
MSPGCL Hydro	1102	839	211	127
MSPGCL Gas	293	301	319	455
MSPGCL Total Generation	6960	6714	5087	4959
Central Sector Receipt	6248	6140	5643	3269
WIND	122	91	137	112
CPP / IPP Thermal	4399	4539	3993	3793
CPP / IPP Gas	0	0	0	0
SOLAR	490	495	0	0
Exchange with Mumbai	-578	-576	-860	-715
MSEDCL DEMAND MET	17641	17403	14000	11418
Load Shedding	0	0	0	0
MSEDCL DEMAND	17641	17403	14000	11418
TPCL GENERATION	876	864	739	704
R-INFRA GENERATION	504	504	376	376
MUMBAI DEMAND	1958	1944	1975	1795
STATE DEMAND MET	19599	19347	15975	13213
STATE DEMAND	19599	19347	15975	13213
Frequency (Hz)	49.94	50.01	50.00	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 12.01 Hrs	49.78 Hz at 19.21 Hrs	49.99	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/2017

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	0.00	0	0
Unit 7	3.51	51.01	155	140
Unit 8	10.83	194.48	576	379
Unit 9	0.00	232.29	0	0
Unit 10	9.46	202.02	470	345
Total	23.81	679.81		
Bhusawal				
Unit 3	4.12	88.26	205	150
Unit 4	9.73	267.85	490	350
Unit 5	9.74	270.10	500	345
Total	23.60	626.22		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.47	139.33	200	180
Unit 7	0.00	12.88	0	0
Unit 8	3.84	119.55	165	154
Total	8.31	271.76		
Chandrapur				
Unit 3	0.00	8.28	0	0
Unit 4	0.00	10.22	0	0
Unit 5	9.84	179.51	460	345
Unit 6	0.00	244.01	0	0
Unit 7	9.76	301.95	460	355
Unit 8	0.00	143.56	0	0
Unit 9	9.65	301.24	459	351
Total	29.25	1188.77		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.32	149.23	257	189
Total	5.32	149.23		
Khaparkheda				
Unit 1	2.20	49.07	150	0
Unit 2	4.06	117.28	185	160
Unit 3	0.00	0.00	0	0
Unit 4	3.89	60.02	166	157
Unit 5	10.19	301.04	500	355
Total	20.34	527.41		
Nasik				
Unit 3	0.00	104.49	0	0
Unit 4	4.17	83.23	201	155
Unit 5	4.12	49.55	192	158
Total	8.30	237.28		
Uran				
All Units	7.88	305.35	462	278
Total	7.88	305.35		
PGPL				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	0.00	0	0
Total	0.00	0.00		
PENCH (MS)				
Pench (MS)	0.48	9.17	52	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.48	9.17		
Koyna				
Stage 1-2	3.02	63.26	480	40
Stage 4	0.35	6.08	185	0
Stage 3	0.37	15.96	80	0
Total	3.74	85.30		
Hydro				
KDPH	0.86	7.93	36	36
VTRNA	0.61	10.23	60	0
TILLARI	0.40	10.72	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.15	6.62	73	0
RNGR+BHTSA	0.36	12.21	16	15
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.21	2.05	10	0
SMLHY_PTN	0.56	13.93	32	20
GHATGHAR	0.80	22.48	125	0
Total	3.96	86.17		
Wind				
Total	3.45	323.72	0	0
Total	3.45	323.72		
CPP				
APML(Mus)	48.72	1526.83	0	0
JSWEL(Mus)	15.75	520.15	0	0
VIPL(Mus)	12.14	356.71	0	0
RPLAMT(Mus)	5.28	253.27	0	0
WPCL(Mus)	3.95	127.06	0	0
Other(Mus)	12.64	411.44	0	0
Total	98.47	3195.46		
SOLAR				
Total	3.27	91.40	0	0
Total	3.27	91.40		
Tata				
Trombay 5	8.07	246.06	433	299
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.76	74.74	116	115
Trombay 7B	1.59	46.20	67	65
Trombay 8	5.08	90.96	248	196
TATA Hydro	0.47	130.21	72	6
Total	17.97	588.17		
R-INFRA				
DTPS U-1&2	10.08	282.66	504	375
Total	10.08	282.66		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	118.92	3680.46	MSPGCL Total	134.49	4157.29
			MSPGCL Thml+Gas	126.80	3985.82	Koyna 1,2 & 4 Total	3.36	69.34
			MSPGCL Hydro	7.70	171.47	State Total	267.74	8638.71

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 31/Dec/2017

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	4500	277	307	5084	123	3759	0	0	3918	4145	-549	12562	0	12562	1606	14168	50.00
2	4511	137	306	4954	139	3757	0	0	4243	4001	-429	12422	0	12422	1487	13909	49.98
3	4524	126	318	4968	141	3757	0	0	4066	3989	-387	12468	0	12468	1444	13912	50.00
4	4513	141	308	4962	142	3748	0	0	4031	4077	-314	12615	0	12615	1369	13984	49.99
5	4511	127	319	4957	160	3756	0	0	4296	4516	-317	13072	0	13072	1373	14445	49.99
6	4526	127	320	4973	181	3778	0	0	5130	5138	-389	13681	0	13681	1444	15125	50.00
7	5018	166	310	5494	220	4028	0	0	5608	5600	-448	14894	0	14894	1506	16400	49.98
8	5299	331	312	5942	252	4341	0	34	5776	5784	-407	15946	0	15946	1567	17513	50.00
9	5508	686	318	6512	225	4538	0	189	5413	5376	-294	16546	0	16546	1696	18242	49.94
10	5486	724	304	6514	185	4542	0	321	5498	5621	-421	16762	0	16762	1824	18586	49.93
11	5557	547	299	6403	157	4398	0	429	6039	5885	-566	16706	0	16706	1921	18627	49.92
12	5565	1102	293	6960	122	4399	0	490	6138	6248	-578	17641	0	17641	1958	19599	49.94
13	5574	839	301	6714	91	4539	0	495	6165	6140	-576	17403	0	17403	1944	19347	50.01
14	5598	402	289	6289	78	4412	0	450	6237	6155	-513	16871	0	16871	1877	18748	50.02
15	5656	276	278	6210	82	4423	0	411	6244	6051	-519	16658	0	16658	1820	18478	50.03
16	5584	241	289	6114	91	4392	0	281	6234	6045	-573	16350	0	16350	1748	18098	49.98
17	5359	246	291	5896	77	4321	0	151	5999	5913	-631	15727	0	15727	1735	17462	50.01
18	5124	207	292	5623	95	4239	0	18	5731	5239	-700	14514	0	14514	1779	16293	50.03
19	4557	211	319	5087	137	3993	0	0	5605	5643	-860	14000	0	14000	1975	15975	50.00
20	4394	281	333	5008	187	3948	0	0	5224	5166	-920	13389	0	13389	2041	15430	49.93
21	4394	122	396	4912	174	3964	0	0	4666	4378	-899	12529	0	12529	1995	14524	50.02
22	4400	122	457	4979	188	3878	0	0	4073	3504	-825	11724	0	11724	1904	13628	50.04
23	4377	127	455	4959	112	3793	0	0	3442	3269	-715	11418	0	11418	1795	13213	50.01
24	4386	132	462	4980	95	3762	0	0	3135	3324	-603	11558	0	11558	1679	13237	49.99
MUs	118.92	7.70	7.88	134.49	3.45	98.47	0.00	3.27	122.91	121.21	-13.43	347.46	0.00	347.46	41.49	388.95	49.99

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/2017

Position as on 6.30 Hrs of 01/Jan/2018

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.	
CENT.SECTOR	Tarapur 1	160	04/06/2017	19.09		Continued.	3 months outage for refuelling.	
MSPGCL	Chandrapur Unit-8	500	16/12/2017	00.16		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	
MSPGCL	Koradi Unit 6	210	09/07/2015	00.00		Continued.	EE R&M LE Work	
IPP	SWPGL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
IPP	SWPGL U-2	135	29/02/2016	21.46		Continued.	No PPA	
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.	De-commissioned on dt. 01.04.2017	
RGPL	Dabhol 2A	230	24/08/2016	13.31		Continued.	Change Over.	
MSPGCL	Koradi Unit 5	200	05/09/2016	00.21		Continued.	De-commissioned on dt.02.03.2017	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule	
MSPGCL	Ghatghar Unit-2	125	28/07/2017	00.00		Continued.	due to common pressure shaft with unit 1.	
MSPGCL	Khaparkheda Unit 3	210	12/09/2017	00.00		Continued.	Coal Shortage	
IPP	RPL(AMT) U-5	270	17/09/2017	02.01		Continued.	Coal Shortage	
IPP	Dhariwal	300	27/10/2017	17.31		Continued.	Drum level Not Maintained	
IPP	Adani U-3	660	17/11/2017	20.59		Continued.	Tripped on APS Bellow Leakage	
MSPGCL	Paras Unit 3	250	29/11/2017	22.55		Continued.	bunkering problem,Water shortage	
IPP	JSW (J) U2	300	01/12/2017	24.00		Continued.	no schedule.	
MSPGCL	Chandrapur Unit 3	210	03/12/2017	01.35		Continued.	Water Shortage	
MSPGCL	Chandrapur Unit 4	210	03/12/2017	14.17		Continued.	Water Shortage	
MSPGCL	Parli Unit 7	250	03/12/2017	23.35		Continued.	Poor Coal Receipt.	
IPP	RPL(AMT) U-1	270	12/12/2017	08.49		Continued.	switch gear problem (Coal shortage from 17.12.2017, 00:00hrs)Converted to zero schedule w.e.f 01.01.2018, 00:00hrs	
IPP	RPL(AMT) U-4	270	15/12/2017	00.01		Continued.	Coal Shortage (Converted to zero schedule w.e.f 01.01.2018, 00:00Hrs)	
IPP	RPL(AMT) U-2	270	22/12/2017	00.01		Continued.	zero schedule	
MSPGCL	Koradi Unit 9	660	22/12/2017	16.35		Continued.	Tripped on Rotor Earth Fault	
CENT.SECTOR	Tarapur 2	160	26/12/2017	10.51		Continued.	commission of venting	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 31/Dec/2017

Position as on 6.30 Hrs of 01/Jan/2018

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
							system.	
MSPGCL	Nasik Unit 3	210	27/12/2017	04.30		Continued.	BTL, not available on account of PCR w.e.f 30.12.2017 at 18:00Hrs	
MSPGCL	Chandrapur Unit 6	500	28/12/2017	11.41		Continued.	Boiler Tube Leakage	
MSPGCL	Uran Unit 5	108	30/12/2017	14.07	31/12/2017	18.23	Air Filter Replacement	
MSPGCL	Uran Unit 8	108	30/12/2017	14.24		Continued.	Thrust Bearing Trip	
CPP	IEPL Unit 1	270	30/12/2017	23.58		Continued.	No Schedule	
MSPGCL	Khaparkheda Unit 1	210	31/12/2017	15.47		Continued.	Boiler Tube Leakage	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 31/Dec/2017

Statement-VII

Position as on 6.30 Hrs of 01/Jan/2018

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							
Karad Solapur (PG)	InterState	03/05/2017	11:49		Continued.	PO	Line converted as 220 kV Solapur (PG)- Jeur from LOC 403
Dhule Sar'Sarovar II	InterState	30/12/2017	10.23	31/12/2017	08.53	PO	Work at SSNL end(RFC 17.40Hrs)
Dhule Khandwa II	InterState	31/12/2017	10.15	31/12/2017	21.18	PO	Outage By WRLDC.
Dhule Sar'Sarovar II	InterState	31/12/2017	17.38		Continued.	HT	Over Voltage
Solapur - Parli(PG) II	IntraState	30/12/2017	08:33	31/12/2017	05.44	PO	Line Crossing Work.
Karad - Jaigad - II	IntraState	30/12/2017	17:36	31/12/2017	10.52	HT	Over Voltage
karad -kolhapur-I	IntraState	30/12/2017	17:37	31/12/2017	09.02	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	30/12/2017	17:58	31/12/2017	08.57	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	30/12/2017	21.08	31/12/2017	08.43	HT	Over Voltage
Karad - Jaigad - II	IntraState	31/12/2017	17.20		Continued.	HT	Over Voltage
karad -kolhapur-I	IntraState	31/12/2017	17.23		Continued.	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	31/12/2017	17.37		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	31/12/2017	20.39		Continued.	HT	Over Voltage
N.Koyna-Karad -Ckt I	IntraState	01/01/2018	03.47		Continued.	T	Distance Protection
220 KV LINE Outages/Trippings							
Talandage - Chikodi	InterState	01/06/2017	00.01		Continued.	PO	NO SCHEDULE.
Mudshingi - Chikodi	InterState	01/06/2017	00.06		Continued.	PO	NO SCHEDULE.
Chandrapur GCR - Warora - I	IntraState	05/04/2015	09.13		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumper 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 jumper at Loc no 86 & 107 and de-energising the line bet.86 to 107.
Mumewadi -Halkarni II	IntraState	17/11/2017	10.00		Continued.	PO	Tower erection work (temporarily line would be Mumewadi-Tillari)
Halkarni - Tillari II	IntraState	17/11/2017	12.25		Continued.	PO	Tower erection work. (temporarily line would be Mumewadi-Tillari)
Kharghar-Borivali ckt II	IntraState	07/12/2017	12.23		Continued.	T	Distance Protection
Ranjangaon-Fiat 1	IntraState	31/12/2017	06.50	31/12/2017	13.58	PO	Routine Maintenance Work
Jamde-Dondaicha 1	IntraState	31/12/2017	09.05	31/12/2017	13.12	PO	Replacement of Copper Clamp of CT
Jamde-Dondaicha 2	IntraState	31/12/2017	14.10	31/12/2017	18.28	PO	Replacement of Copper Clamp of CT
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 200 MVA ICT-IV@Kalwa	IntraState	24/11/2017	01.58		Continued.	T	Buchholz PRV Operated(Failed on Internal Fault)

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