

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 31/Dec/2018 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	135.326	4184.853	1) Gujrat	0.526	38.286
2) Hydro	5.020	161.780	2) Madhya Pradesh	5.351	249.177
3) Gas	7.295	216.622	3) Chattisgarh	3.900	167.940
Total MSPGCL	147.641	4563.255	4) Maharashtra Net	81.879	2819.632
B) 1) APML	63.113	2102.248	5) Goa (Amona)	-0.330	-9.570
2) JSWEL	21.826	580.332	Total	91.326	3265.465
3) VIPL	5.051	278.858	a) Mumbai Schedule	15.779	565.947
4) RPL(AMT)	0.000	270.357	b) Mumbai Drawl	20.807	677.083
5) WPCL	0.000	27.408	c) MSEDCL Bilateral *	17.353	601.568
6) PGPL	0.000	0.000	Include PX	0.000	-179.082
7) Other IPP	16.058	474.890	d) Mumbai Bilateral *	15.779	559.532
C) 1) TPCL Thermal	12.112	392.904	Include PX	1.680	37.375
2) TPCL Hydro	3.742	104.307	Include Standby	0.000	6.415
3) TPCL Gas	4.059	129.850	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	4.562	230.573	1) MSEDCL	341.354	11353.868
D) STATE			2) Mumbai Discoms	45.282	1534.710
1) Thermal	258.048	8542.423	TOTAL STATE	386.636	12888.578
(A1+C1+C4+(B1-B6))					
2) Hydro	8.762	266.087			
(A2+C2)					
3) Gas	11.354	346.472			
(A3+B6+C3)					
4) Wind	11.144	304.999			
6) SOLAR	6.002	163.139			
TOTAL STATE	295.310	9623.120			

* 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 13 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 24 Hrs
MSPGCL Thermal	5918	5715	5282	4895
MSPGCL Hydro	393	368	296	96
MSPGCL Gas	293	288	304	303
MSPGCL Total Generation	6604	6370	5882	5294
Central Sector Receipt	5370	4810	4992	2293
WIND	935	685	311	702
CPP / IPP Thermal	5329	5195	4671	4213
CPP / IPP Gas	0	0	0	0
SOLAR	738	835	0	0
Exchange with Mumbai	-939	-944	-959	-723
MSEDCL DEMAND MET	18037	16952	14898	11780
Load Shedding	0	0	0	0
MSEDCL DEMAND	18037	16952	14898	11780
TPCL GENERATION	702	693	736	689
R-INFRA GENERATION	374	374	373	371
MUMBAI DEMAND	2015	2011	2068	1783
STATE DEMAND MET	20052	18963	16966	13563
STATE DEMAND	20052	18963	16966	13563
Frequency (Hz)	49.98	49.96	50.01	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 21.00 Hrs	49.81 Hz at 09.13 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 31/Dec/2018

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	20.06	0	0
Unit 7	3.72	43.44	165	142
Unit 8	0.00	220.94	0	0
Unit 9	10.60	137.54	660	332
Unit 10	9.35	236.40	483	280
Total	23.66	658.38		
Bhusawal				
Unit 3	0.00	10.78	0	0
Unit 4	9.02	242.03	500	350
Unit 5	9.02	296.12	490	350
Total	18.04	548.93		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	11.08	0	0
Unit 7	0.00	37.54	0	0
Unit 8	4.88	150.24	207	198
Total	4.88	198.86		
Chandrapur				
Unit 3	4.16	130.16	195	163
Unit 4	4.10	128.98	187	164
Unit 5	8.88	285.32	400	350
Unit 6	9.43	262.03	450	355
Unit 7	9.26	281.25	420	362
Unit 8	9.64	309.40	470	360
Unit 9	9.50	308.94	460	360
Total	54.97	1706.08		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.08	162.92	254	196
Total	5.08	162.92		
Khaparkheda				
Unit 1	3.88	52.10	180	145
Unit 2	3.80	122.05	180	140
Unit 3	3.92	122.81	190	155
Unit 4	3.84	117.47	180	155
Unit 5	9.26	279.29	415	375
Total	24.70	693.72		
Nasik				
Unit 3	0.00	108.96	0	0
Unit 4	4.00	107.01	179	160
Unit 5	0.00	0.00	0	0
Total	4.00	215.97		
Uran				
All Units	7.30	216.62	321	277
Total	7.30	216.62		
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)	0.02	2.16	21	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.02	2.16		
Koyna				
Stage 1-2	1.54	46.35	180	40
Stage 4	0.00	12.50	0	0
Stage 3	0.46	13.07	80	0
Total	2.01	71.92		
Hydro				
KDPH	0.00	11.72	0	0
VTRNA	0.52	11.29	61	0
TILLARI	0.20	6.62	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.10	5.04	53	0
RNGR+BHTSA	0.31	9.84	13	12
BHANDARDRA	0.00	0.01	0	0
ELDARY	0.14	0.14	10	0
SMLHY_PTN	0.45	14.00	27	16
GHATGHAR	1.30	31.20	250	0
Total	3.01	89.86		
Wind				
Total	11.14	305.00	0	0
Total	11.14	305.00		
CPP				
APML(Mus)	63.11	2102.25	0	0
JSWEL(Mus)	21.83	580.33	0	0
VIPL(Mus)	5.05	278.86	0	0
RPLAMT(Mus)	0.00	270.36	0	0
WPCL(Mus)	0.00	27.41	0	0
Other(Mus)	16.06	474.89	0	0
Total	106.05	3734.09		
SOLAR				
Total	6.00	163.14	0	0
Total	6.00	163.14		
Tata				
Trombay 5	7.11	240.94	309	277
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.53	81.84	117	64
Trombay 7B	1.53	48.00	69	50
Trombay 8	5.01	151.96	227	203
TATA Hydro	3.74	104.31	338	0
Total	19.91	627.06		
R-INFRA				
DTPS U-1&2	4.56	230.57	192	189
Total	4.56	230.57		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	135.33	4184.85	MSPGCL Total	147.64	4563.26
			MSPGCL Thml+Gas	142.62	4401.48	Koyna 1,2 & 4 Total	1.54	58.85
			MSPGCL Hydro	5.02	161.78	State Total	295.31	9623.12

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 31/Dec/2018

Annexure-2

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	5205	80	310	5595	488	3906	0	0	2095	1899	-601	11287	0	11287	1419	12706	50.06
2	5255	70	319	5644	588	3922	0	0	1978	1762	-482	11434	0	11434	1303	12737	50.01
3	5285	70	321	5676	599	3921	0	0	1946	1977	-431	11742	0	11742	1243	12985	50.01
4	5284	70	320	5674	569	3919	0	0	2037	2216	-422	11956	0	11956	1208	13164	50.02
5	5315	75	321	5711	633	3930	0	0	2283	2645	-426	12493	0	12493	1216	13709	49.99
6	5313	195	320	5828	673	3936	0	0	2876	3297	-532	13202	0	13202	1326	14528	49.99
7	5368	85	320	5773	680	4164	0	3	4368	4125	-639	14106	0	14106	1466	15572	49.98
8	5788	134	319	6241	683	4704	0	64	4706	4730	-776	15646	0	15646	1658	17304	49.95
9	6177	134	307	6618	507	5247	0	340	4722	4538	-907	16343	0	16343	1951	18294	49.97
10	6199	172	311	6682	475	5228	0	628	4949	5081	-1027	17067	0	17067	2204	19271	49.90
11	6219	311	285	6815	428	5232	0	788	5292	5269	-1145	17387	0	17387	2375	19762	49.91
12	6317	468	291	7076	393	5183	0	889	5325	5286	-1245	17582	0	17582	2398	19980	49.95
13	6176	355	290	6821	359	5074	0	886	4983	4926	-1211	16855	0	16855	2349	19204	49.96
14	6003	220	278	6501	318	4702	0	852	4916	4975	-1066	16282	0	16282	2219	18501	50.02
15	5744	317	287	6348	298	4497	0	717	4924	5169	-1068	15961	0	15961	2218	18179	49.01
16	5726	419	277	6422	260	4472	0	540	4774	4839	-1047	15486	0	15486	2210	17696	49.95
17	5628	339	287	6254	269	4507	0	266	4685	4640	-1020	14916	0	14916	2202	17118	49.93
18	5514	431	292	6237	312	4550	0	29	4157	4350	-1014	14464	0	14464	2219	16683	49.97
19	5540	237	307	6084	428	4548	0	0	4565	4434	-1080	14414	0	14414	2308	16722	49.98
20	5556	137	299	5992	433	4368	0	0	4454	4285	-1032	14046	0	14046	2257	16303	49.98
21	5548	138	301	5987	438	4127	0	0	3579	3795	-1047	13300	0	13300	2131	15431	50.04
22	5554	137	313	6004	449	4032	0	0	3077	2856	-1013	12328	0	12328	1964	14292	50.05
23	5359	208	304	5871	421	3980	0	0	2178	2223	-845	11650	0	11650	1793	13443	49.96
24	5253	218	316	5787	443	3901	0	0	1968	2009	-731	11409	0	11409	1645	13054	49.99
MUs	135.33	5.02	7.29	147.64	11.14	106.05	0.00	6.00	90.84	91.33	-20.81	341.35	0.00	341.35	45.28	386.64	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 31/Dec/2018

Position as on 6.30 Hrs of 01/Jan/2019

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
CPP	SWPGL U-3	135	01/11/2018	00.28		Continued.	Annual Overhaul	
MSPGCL	Nasik Unit 5	210	22/11/2018	03.50		Continued.	Boiler Tube Leakage work completed on 24/11/2018. Available against case 4 from 25/11/2018. Converted to COH from 00:00 Hrs of 05/12/2018 (for 40 Days)	
RINFRA-G	REL Unit 1	250	23/12/2018	06.06		Continued.	For COH.	
FORCED OUTAGE								
TPC-G	Trombay 6	500	15/07/2015	17:08		Continued.	Economic shutdown	
IPP	SWPGL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
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	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule	
MSPGCL	Uran Unit 7	108	20/07/2018	12.53		Continued.	Compressor & Turbine Blade Failure.	
IPP	IEPL Unit 1	270	28/08/2018	21.26		Continued.	Poor Coal Receipt	
MSPGCL	Uran Unit 8	108	08/09/2018	22.08		Continued.	Withdrawn due to B0 & U-7	
MSPGCL	Paras Unit 3	250	15/09/2018	00.55		Continued.	Stator Earth Fault	
IPP	RPL(AMT) U-4	270	20/09/2018	00.01		Continued.	Zero Schedule.	
MSPGCL	Koyana Unit 4	70	03/11/2018	09.02		Continued.	Stator Earth Fault	
MSPGCL	Koyana Unit 1	70	26/11/2018	00.00		Continued.	Oil Cooler Leakage.	
IPP	SWPGL U-2	135	27/11/2018	00.00		Continued.	No Schedule.	
MSPGCL	Parli Unit 6	250	12/12/2018	00.00		Continued.	ZERO SCHEDULE.	
MSPGCL	Parli Unit 7	250	12/12/2018	00.00		Continued.	ZERO SCHEDULE.	
MSPGCL	Bhusawal Unit 3	210	14/12/2018	03.00		Continued.	Zero Schedule.	
IPP	RPL(AMT) U-1	270	14/12/2018	16.00		Continued.	Zero Schedule.	
IPP	RPL(AMT) U-3	270	14/12/2018	16.30		Continued.	Zero Schedule.	
CPP	SWPGL U-4	135	15/12/2018	00.00		Continued.	No Schedule	
MSPGCL	Koradi Unit 6	210	22/12/2018	01.18		Continued.	Bearing Temperature high	
IPP	RPL(AMT) U-2	270	27/12/2018	19.30		Continued.	Zero Schedule.	
IPP	RPL(AMT) U-5	270	28/12/2018	19.30		Continued.	Zero Schedule.	
MSPGCL	Nasik Unit 3	210	28/12/2018	22.05		Continued.	Zero Schedule.	
IPP	VIPL U-1	300	29/12/2018	00.30		Continued.	Coal Shortage	
MSPGCL	Koradi Unit-8	660	29/12/2018	23.01		Continued.	FOR BOILER VALIDITY EXTENSION PCR.	
MSPGCL	Paras Unit 4	250	01/01/2019	09.15	01/01/2019	13.50	GENTREATOR ELECTRICAL PROBLEM.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 31/Dec/2018

Statement-VII

Position as on 6.30 Hrs of 01/Jan/2019

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV LINE Outages/Trippings							
Chandrapur - Padghe Hvdc Pole 2	IntraState	30/12/2018	23.22	31/12/2018	01.38	PO	Attend alarm of TC1 & TC2 reliefvent.
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	24/12/2018	18.09		Continued.	HT	Over Voltage
Koradi Bhilai	InterState	01/01/2019	19.57	01/01/2019	20.54	T	Distance Protection
Karad-Jaigad - I	IntraState	29/12/2018	17.31		Continued.	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	29/12/2018	18.06	31/12/2018	10.40	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	30/12/2018	20.17	31/12/2018	09.22	HT	Over Voltage
Padghe - Kalwa- I	IntraState	31/12/2018	03.01	31/12/2018	09.10	T	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	31/12/2018	17.22	01/01/2019	09.56	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	31/12/2018	21.18	01/01/2019	09.50	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	01/01/2019	18.12		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	01/01/2019	20.14		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33 Kv 315 Mva ICT 1 @Padghe	IntraState	15/11/2018	10.07		Continued.	T	Differential protection, Declared Faulty.
400/220/33kv 500MVA ICT 5 @ Padghe	IntraState	25/11/2018	00.54		Continued.	T	NDR ALARM CHANGED ON HUMMING AT (30-12-2018 AT 18.21.)
400/220kv 315MVA ICT-I@Parly	IntraState	24/12/2018	15.40		Continued.	PO	Replacement Of B-PH Unit By Re pared One.
400/220 KV 315 MVA ICT- I @Koradi	IntraState	01/01/2019	10.58	01/01/2019	17.10	PO	Attending Oil Leakage
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.
Nasik Navsari I	InterState	01/01/2019	09.08	01/01/2019	13.56	EO	EM-R PHASE CT OIL LEAKAGE.
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	For Bunching Of Conductor at Loc No.86 Disconnecting Of jumper at Loc No.86 to 107 And Deenergising The Line Between Loc No.86 To 107.
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To control line loading.
Kalwa-TIFIL	IntraState	27/11/2018	06.06		Continued.	EO	Tapping Of Tifil Substation On 220KV Kharghar-Borivali Line
Padgha - Temghar I	IntraState	03/12/2018	08.15		Continued.	EO	To control load on Padgha ICTs.
Padgha-Temghar-II	IntraState	03/12/2018	08.15		Continued.	EO	To control load on Padgha ICTs.
Bhira Dharavi 7	IntraState	22/12/2018	09.00		Continued.	PO	Errection Of Tower At LOC.124
Trombay - Kalwa	IntraState	24/12/2018	14.50		Continued.	PO	For Replacement Of Rusted Tower.
Trombay - Mulund	IntraState	24/12/2018	15.14		Continued.	PO	For Replacement Of Rusted Tower.
Taloja II - OCIL-I	IntraState	31/12/2018	10.50		Continued.	PO	REPLACEMENT OF METERING CT & PT & AT OCIL END.
Kandalgaon - Sona Alloys	IntraState	01/01/2019	04.24	01/01/2019	05.30	T	Distance Protection
Karad(400kv) - Ogalewadi Ckt 2	IntraState	01/01/2019	08.57	01/01/2019	20.38	PO	RESTRINGING WORK.
Miraj - Mhaishal	IntraState	01/01/2019	11.40	01/01/2019	12.40	PO	REPAIR SLEEVING OF CONDUCTOR.
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 31/Dec/2018

Statement-VII

Position as on 6.30 Hrs of 01/Jan/2019

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Beed - Raimoha	IntraState	31/12/2018	05.43	31/12/2018	06.28	T	Distance Protection load affected approximately 12MW of Raimoha S/s.