

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 31/Dec/2019 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	136.361	4127.891	1) Gujrat	4.048	137.054
2) Hydro	7.084	421.814	2) Madhya Pradesh	11.062	323.998
3) Gas	5.673	196.949	3) Chattisgarh	6.190	209.340
Total MSPGCL	149.118	4746.654	4) Maharashtra	104.928	3681.794
B) 1) APMIL	69.151	2140.904	5) Goa (Amona)	-0.792	-21.560
2) JSWEL	23.446	691.761	Total	125.436	4330.626
3) VIPL	0.000	0.000	a) Mumbai Schedule	19.574	814.433
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	22.815	875.299
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	23.809	838.362
6) Other IPP	15.353	436.411	Include PX	0.373	141.632
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	19.574	814.433
C) 1) TPCL Thermal	11.682	300.091	Include PX	6.545	328.697
2) TPCL Hydro	3.064	143.010	Standby	0.000	0.000
3) TPCL Gas	2.511	84.363	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.581	319.149	1) MSEDCL	369.971	11930.677
D) STATE			2) Mumbai Discoms	49.653	1721.912
1) Thermal	265.574	8016.207	TOTAL STATE	419.624	13652.589
(A1+C1+C4+(B1-B6))					
2) Hydro	10.148	564.824			
(A2+C2)					
3) Gas	8.184	281.312			
(A3+B7+C3)					
4) Wind	5.519	306.170			
6) SOLAR	4.763	153.450			
TOTAL STATE	294.188	9321.963			

* 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	6300	6321	5635	4819
MSPGCL Hydro	464	450	110	84
MSPGCL Gas	284	245	221	214
MSPGCL Total Generation	7048	7016	5966	5118
Central Sector Receipt	6587	6069	5343	3997
WIND	261	284	206	139
CPP / IPP Thermal	5086	4989	4971	3780
CPP / IPP Gas	0	0	0	0
SOLAR	649	793	1	0
Exchange with Mumbai	-1095	-1293	-1226	-703
MSEDCL DEMAND MET	18536	17858	15260	12330
Load Shedding	0	0	0	0
MSEDCL DEMAND	18536	17858	15260	12330
TPCL GENERATION	1056	913	793	614
AEML GENERATION	475	375	373	374
MUMBAI DEMAND	2626	2581	2392	1691
STATE DEMAND MET	21162	20440	17652	14022
STATE DEMAND	21162	20440	17652	14022
Frequency (Hz)	49.88	49.97	50.01	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 06.02 Hrs	49.74 Hz at 11.47 Hrs	49.98	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/2019

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Unit 8	12.91	349.73	612	458
Unit 9	12.38	304.09	565	460
Unit 10	12.40	207.50	555	460
Total	37.69	861.32		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	188.32	0	0
Unit 5	0.00	200.48	0	0
Total	0.00	388.80		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.04	166.64	250	190
Unit 7	5.03	140.73	248	187
Unit 8	5.45	135.45	250	195
Total	15.53	442.83		
Chandrapur				
Unit 3	4.29	130.07	190	163
Unit 4	3.89	102.30	170	140
Unit 5	8.61	270.00	365	348
Unit 6	10.39	291.57	480	358
Unit 7	0.00	0.00	0	0
Unit 8	10.63	322.06	490	360
Unit 9	10.50	319.16	486	360
Total	48.31	1435.17		
Paras				
Unit 3	5.39	86.66	256	187
Unit 4	5.34	97.08	255	84
Total	10.72	183.74		
Khaparkheda				
Unit 1	0.52	82.04	150	0
Unit 2	2.92	88.58	190	0
Unit 3	3.04	89.81	195	0
Unit 4	4.10	126.71	195	160
Unit 5	9.53	304.27	470	360
Total	20.11	691.40		
Nasik				
Unit 3	4.00	77.86	187	155
Unit 4	0.00	0.00	0	0
Unit 5	0.00	46.76	0	0
Total	4.00	124.62		
Uran				
All Units	5.67	196.95	305	214
Total	5.67	196.95		
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)	0.19	2.56	60	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.19	2.56		
Koyna				
Stage 1-2	2.44	120.30	420	35
Stage 4	1.52	181.94	500	0
Stage 3	0.65	63.84	160	0
Total	4.62	366.08		
Hydro				
KDPH	0.44	5.90	19	19
VTRNA	0.00	0.00	0	0
TILLARI	0.40	6.47	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.15	8.34	80	0
RNGR+BHTSA	0.35	11.65	15	14
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.47	10.76	30	16
GHATGHAR	0.66	12.61	125	0
Total	2.47	55.73		
Wind				
Total	5.52	306.17	0	0
Total	5.52	306.17		
CPP				
APML(Mus)	69.15	2140.90	0	0
JSWEL(Mus)	23.45	691.76	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	0.00	0.00	0	0
Other(Mus)	15.35	436.41	0	0
Total	107.95	3269.08		
SOLAR				
Total	4.76	153.45	0	0
Total	4.76	153.45		
Tata				
Trombay 5	8.04	296.35	474	270
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.40	48.25	63	54
Trombay 7B	1.12	36.11	49	44
Trombay 8	3.64	3.74	212	0
TATA Hydro	3.06	143.01	306	0
Total	17.26	527.46		
AEML				
DTPS U-1&2	9.58	319.15	500	372
Total	9.58	319.15		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	136.36	4127.89	MSPGCL Total	149.12	4746.65
			MSPGCL Thml+Gas	142.03	4324.84	Koyna 1,2 & 4 Total	3.96	302.24
			MSPGCL Hydro	7.08	421.81	State Total	294.19	9321.96

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 31/Dec/2019

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	5159	84	231	5474	480	3696	0	0	4500	4426	-891	13186	0	13186	1726	14912	50.01
2	5254	86	222	5562	336	3692	0	0	4319	4158	-816	12932	0	12932	1607	14538	50.00
3	5260	126	221	5606	230	3703	0	0	3964	4107	-745	12901	0	12901	1533	14434	49.97
4	5183	186	222	5590	198	3676	0	0	4166	4275	-685	13054	0	13054	1489	14544	49.99
5	5244	86	232	5562	201	3741	0	0	4566	4791	-634	13660	0	13660	1473	15134	50.01
6	5716	86	222	6024	165	4218	0	0	5042	4830	-691	14546	0	14546	1561	16106	50.01
7	6123	178	221	6522	156	4634	0	4	5899	5509	-771	16054	0	16054	1674	17728	49.98
8	6183	956	233	7372	156	4776	0	51	5683	5622	-678	17300	0	17300	1853	19152	49.92
9	6247	1124	305	7676	151	4965	0	196	5691	5766	-791	17964	0	17964	2144	20108	49.92
10	6309	946	291	7546	184	4967	0	332	5880	6007	-901	18134	0	18134	2407	20542	49.88
11	6306	746	289	7342	213	5061	0	472	6174	6083	-1052	18118	0	18118	2590	20708	49.96
12	6300	464	284	7048	261	5086	0	649	6558	6587	-1095	18536	0	18536	2626	21162	49.88
13	6321	450	245	7016	284	4989	0	793	6161	6069	-1293	17858	0	17858	2581	20440	49.97
14	6204	208	232	6644	329	4980	0	814	6070	6067	-1200	17634	0	17634	2424	20058	49.99
15	6044	230	221	6494	368	4976	0	677	5892	5949	-1216	17248	0	17248	2418	19666	50.01
16	6021	270	221	6512	385	4968	0	494	6100	6080	-1150	17288	0	17288	2411	19700	49.94
17	5972	174	231	6378	255	4979	0	240	5783	5538	-1108	16282	0	16282	2377	18658	49.92
18	5723	120	221	6064	256	4985	0	40	5582	5466	-1119	15692	0	15692	2351	18042	50.01
19	5635	110	221	5966	206	4971	0	1	5384	5343	-1226	15260	0	15260	2392	17652	50.01
20	5559	114	233	5906	174	4910	0	0	5165	4896	-1140	14746	0	14746	2332	17078	50.01
21	5121	84	220	5426	144	4436	0	0	5005	4811	-1075	13742	0	13742	2173	15914	50.02
22	4828	90	222	5140	109	3961	0	0	4774	4750	-1000	12960	0	12960	1993	14952	50.04
23	4830	84	219	5134	139	3800	0	0	4456	4309	-835	12546	0	12546	1827	14374	50.00
24	4819	84	214	5118	139	3780	0	0	4222	3997	-703	12330	0	12330	1691	14022	50.01
MUs	136.36	7.08	5.67	149.12	5.52	107.95	0.00	4.76	127.04	125.44	-22.81	369.97	0.00	369.97	49.65	419.62	49.98

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/2019

Position as on 6.30 Hrs of 01/Jan/2020

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	Chandrapur Unit 7	500	27/07/2019	00.00		Continued.	Annual Overhaul	
MSPGCL	Ghatghar Unit-1	125	25/09/2019	04.20		Continued.	Withdrawn On Shaft Seal Water Leakage.Converted to AOH From 1 Nov 2019.	
MSPGCL	Koyna Unit 7	80	31/10/2019	16.30		Continued.	Turbine Vibration(converted to Capital Overhaul for 60 Days from 09.00Hrs DT.01-11-2019)	
MSPGCL	Nasik Unit 4	210	20/11/2019	04.15		Continued.	ID Fan Problem(Converted for Zero Schedule from 05.00hrs DT. 21-11-2019 and Continued for Annual Overhaul From 01.12.2019	
TPC_G	Trombay 8	250	01/12/2019	00.50	31/12/2019	03.09	Annual Overhaul	
FORCED OUTAGE								
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 U2	126	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule	
IPP	IEPL Unit 1	270	28/08/2018	21.26		Continued.	No PPA	
IPP	SWPGL U-2	135	27/11/2018	00.00		Continued.	No Schedule.	
CPP	SWPGL U-4	135	15/12/2018	00.00		Continued.	No Schedule	
IPP	VIPL U-1	300	29/12/2018	00.30		Continued.	Coal Shortage	
IPP	VIPL U-2	300	17/01/2019	00.15		Continued.	Coal Shortage	
MSPGCL	Koradi Unit 7	210	27/08/2019	09.52		Continued.	Coal Flow Problem Due To Wet Coal.(Converted To Zero Schedule From 12.09.2019 At 20.00 hrs)	
IPP	RPL(AMT) U-1	270	01/09/2019	09.11		Continued.	Generator Protection operated	
MSPGCL	Bhusawal Unit 3	210	01/09/2019	17.56		Continued.	Zero Schedule from 18:00hrs of 28/09/2019	
MSPGCL	Koradi Unit 6	210	06/09/2019	15.41		Continued.	Zero Schedule	
IPP	RPL(AMT) U-3	270	25/10/2019	02.00		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-2	270	25/10/2019	22.00		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-5	270	09/11/2019	03.00		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-4	270	12/11/2019	00.00		Continued.	Zero Schedule By MSEDCL.	
MSPGCL	Uran Unit 8	108	30/11/2019	19.14		Continued.	Over Speed Bolt Trip.	
MSPGCL	Nasik Unit 5	210	12/12/2019	10.25		Continued.	PA Fan Problem (Under Case 4 Bidding From 04.25Hrs DT. 13-12-2019)	
MSPGCL	Bhusawal Unit 5	500	23/12/2019	22.05		Continued.	Boiler Tube Leakage(Converted to Zero Schedule from 22.00Hrs DT. 26-12-2019)	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 31/Dec/2019

Position as on 6.30 Hrs of 01/Jan/2020

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Uran Unit B0	120	28/12/2019	22:48		Continued.	Gas shortage	
MSPGCL	Uran Unit 7	108	28/12/2019	22:48		Continued.	Gas shortage	
MSPGCL	Bhusawal Unit 4	500	29/12/2019	00.57		Continued.	Zero Schedule	
MSPGCL	Paras Unit 4	250	30/12/2019	21.11	31/12/2019	00.10	Supply Board 2B Tripped.	
MSPGCL	Khaparkheda Unit 1	210	31/12/2019	03.35		Continued.	Suspected BTL.	
MSPGCL	Khaparkheda Unit 2	210	31/12/2019	16.53		Continued.	Zero Schedule.	
MSPGCL	Khaparkheda Unit 3	210	31/12/2019	17.33		Continued.	Zero Schedule.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 31/Dec/2019

Statement-VII

Position as on 6.30 Hrs of 01/Jan/2020

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 I	InterState	30/12/2019	18.08	31/12/2019	07.29	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	31/12/2019	18.04		Continued.	HT	Over Voltage
Padghe - Kalwa-II	IntraState	25/12/2019	10.31		Continued.	PO	MMRDA Shifting/Height Raising Construction Work
Padghe - Nagothane - I	IntraState	30/12/2019	13.16	31/12/2019	10.10	PO	Shifting Work.
Bhusawal-Aurangabad	IntraState	30/12/2019	21.25	31/12/2019	07.36	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	31/12/2019	18.00		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	31/12/2019	21.07		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	31/12/2019	23.27		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.
400/220/33 Kv 500 MVA ICT-III @Parali (Girwali)	IntraState	31/12/2019	09.29	31/12/2019	18.36	PO	Epoxy Coating to Tertiary Delta Formation of ICT-3 at Girwali & Bay Maintenance Work.
220 KV LINE Outages/Trippings							
Mudshingi Chikodi	InterState	24/09/2019	17.12		Continued.	PO	No Schedule.(close at Mudshingi end only)
Talandage - Chikodi	InterState	01/10/2019	17.10		Continued.	PO	No Schedule.(close at Chikodi end only)
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To Control Line Loading(H/T from Boisar end)
MAHAPE - RELIANCE GIS	IntraState	28/12/2019	18.27		Continued.	HT	At Mahape End For New Configuration.
Paras-Balapur Iv	IntraState	30/12/2019	09.25		Continued.	HT	In View of Dist Relay Faulty Declared By Testing Unit.
ACCIL - Apta	IntraState	30/12/2019	17.20	31/12/2019	19.30	T	B-Phase CT Burst 162 MW Load Affected.
Baramati- Kalyani	IntraState	31/12/2019	09.20		Continued.	PO	Diversion of 220KV Lines Emanating From Baramati s/s Through Underground Cable.
Miraj - Mhaishal	IntraState	31/12/2019	09.21	31/12/2019	15.03	PO	Chemical Washing of Insulators.
Khaparkheda-Kalmeshwar	IntraState	31/12/2019	12.47	31/12/2019	14.49	PO	Removing Kite Thread Which is Hanging on The Jumper of Y-Phase CT.
Miraj-Ichalkaranji I	IntraState	31/12/2019	15.18		Continued.	PO	Safety Purpose For Construction of CKT-2.(Tripped on SOTF While Taken s/s at 20.10hrs)
Koradi-Ambazari-I	IntraState	31/12/2019	20.57	01/01/2020	00.37	PO	R Phase Current Found Zero.
220 KV ICT Outages/Trippings							
220/132/11 Kv 200 Mva Cgl Ict 2 @Amravati	IntraState	30/12/2019	09.47	31/12/2019	17.01	PO	OLTC O/H.

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