

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 30/Dec/2019 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	127.762	3991.530	1) Gujrat	3.562	133.006
2) Hydro	11.270	414.730	2) Madhya Pradesh	10.186	312.936
3) Gas	4.926	191.276	3) Chattisgarh	6.410	203.150
Total MSPGCL	143.958	4597.536	4) Maharashtra	113.469	3576.866
B) 1) APLM	69.556	2071.753	5) Goa (Amona)	-0.726	-20.768
2) JSWEL	24.155	668.315	Total	132.901	4205.190
3) VIPL	0.000	0.000	a) Mumbai Schedule	22.062	794.860
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	24.170	852.484
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	25.800	814.552
6) Other IPP	14.610	421.058	Include PX	2.629	141.259
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	22.062	794.860
C) 1) TPCL Thermal	9.789	288.409	Include PX	8.277	322.152
2) TPCL Hydro	5.203	139.946	Standby	0.000	0.000
3) TPCL Gas	2.497	81.852	H) ENERGY CATERED (MUs)		
4) AEML Thermal	10.770	309.568	1) MSEDCL	376.395	11560.706
D) STATE			2) Mumbai Discoms	52.429	1672.259
1) Thermal	256.642	7750.633	TOTAL STATE	428.824	13232.965
(A1+C1+C4+(B1-B6))					
2) Hydro (A2+C2)	16.473	554.676			
3) Gas (A3+B7+C3)	7.423	273.128			
4) Wind	10.704	300.651			
6) SOLAR	4.681	148.687			
TOTAL STATE	295.923	9027.775			

* 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	5469	5557	5752	4611
MSPGCL Hydro	1196	596	268	120
MSPGCL Gas	277	279	221	142
MSPGCL Total Generation	6942	6432	6240	4873
Central Sector Receipt	6995	7139	5269	4375
WIND	555	553	396	463
CPP / IPP Thermal	4974	5081	4973	3654
CPP / IPP Gas	0	0	0	0
SOLAR	722	765	2	0
Exchange with Mumbai	-1265	-1388	-1141	-743
MSEDCL DEMAND MET	18924	18582	15740	12622
Load Shedding	0	0	0	0
MSEDCL DEMAND	18924	18582	15740	12622
TPCL GENERATION	1014	849	955	467
AEML GENERATION	501	500	441	376
MUMBAI DEMAND	2780	2737	2537	1586
STATE DEMAND MET	21704	21318	18276	14208
STATE DEMAND	21704	21318	18276	14208
Frequency (Hz)	49.97	49.92	49.98	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 00.01 Hrs	49.72 Hz at 09.47 Hrs	49.97	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/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	11.15	336.82	570	366
Unit 9	7.07	291.70	510	0
Unit 10	11.86	195.10	550	460
Total	30.08	823.63		
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	5.07	161.60	250	184
Unit 7	5.36	135.70	249	187
Unit 8	5.23	130.00	247	187
Total	15.66	427.30		
Chandrapur				
Unit 3	4.29	125.78	190	163
Unit 4	3.73	98.41	170	150
Unit 5	8.74	261.40	370	330
Unit 6	9.40	281.18	480	340
Unit 7	0.00	0.00	0	0
Unit 8	9.94	311.44	450	360
Unit 9	9.80	308.66	450	365
Total	45.89	1386.86		
Paras				
Unit 3	0.29	81.27	160	0
Unit 4	4.94	91.75	255	0
Total	5.23	173.02		
Khaparkheda				
Unit 1	3.97	81.52	180	145
Unit 2	4.09	85.66	180	160
Unit 3	4.24	86.78	195	158
Unit 4	4.18	122.61	195	160
Unit 5	10.19	294.74	495	357
Total	26.67	671.30		
Nasik				
Unit 3	4.23	73.86	194	160
Unit 4	0.00	0.00	0	0
Unit 5	0.00	46.76	0	0
Total	4.23	120.62		
Uran				
All Units	4.93	191.28	285	132
Total	4.93	191.28		
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)	0.17	2.37	53	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.17	2.37		
Koyna				
Stage 1-2	3.90	117.86	450	35
Stage 4	3.10	180.42	750	0
Stage 3	1.30	63.19	160	0
Total	8.31	361.47		
Hydro				
KDPH	0.65	5.46	37	18
VTRNA	0.00	0.00	0	0
TILLARI	0.48	6.07	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.21	8.19	80	0
RNGR+BHTSA	0.37	11.31	16	15
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.46	10.29	29	16
GHATGHAR	0.80	11.95	125	0
Total	2.96	53.26		
Wind				
Total	10.70	300.65	0	0
Total	10.70	300.65		
CPP				
APML(Mus)	69.56	2071.75	0	0
JSWEL(Mus)	24.16	668.32	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)	14.61	421.06	0	0
Total	108.32	3161.13		
SOLAR				
Total	4.68	148.69	0	0
Total	4.68	148.69		
Tata				
Trombay 5	9.79	288.31	479	304
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.38	46.86	68	53
Trombay 7B	1.12	35.00	52	43
Trombay 8	0.00	0.10	0	0
TATA Hydro	5.20	139.95	454	0
Total	17.49	510.21		
AEML				
DTPS U-1&2	10.77	309.57	503	372
Total	10.77	309.57		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	127.76	3991.53	MSPGCL Total	143.96	4597.54
			MSPGCL Thml+Gas	132.69	4182.81	Koyna 1,2 & 4 Total	7.00	298.28
			MSPGCL Hydro	11.27	414.73	State Total	295.92	9027.78

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 30/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	4602	185	132	4919	521	3638	0	0	4196	4516	-693	12901	0	12901	1788	14689	50.03
2	4613	210	142	4965	520	3659	0	0	4304	4366	-596	12914	0	12914	1664	14578	49.95
3	4611	120	142	4873	463	3654	0	0	4415	4375	-743	12622	0	12622	1586	14208	49.95
4	4640	210	143	4993	386	3647	0	0	4330	4520	-734	12812	0	12812	1532	14344	49.97
5	4865	225	133	5223	409	3679	0	0	4513	4808	-734	13385	0	13385	1530	14915	50.02
6	5218	110	143	5471	371	4298	0	0	5112	5141	-820	14461	0	14461	1616	16077	50.02
7	5580	134	160	5874	493	4652	0	2	5732	5735	-660	16096	0	16096	1717	17813	49.96
8	5637	713	172	6522	507	4739	0	51	6117	5900	-648	17071	0	17071	1883	18954	49.92
9	5660	1231	226	7117	476	4904	0	209	5966	5858	-817	17747	0	17747	2190	19937	49.96
10	5572	1506	285	7363	409	4842	0	446	6139	6182	-959	18283	0	18283	2471	20754	49.88
11	5474	1474	225	7173	540	4808	0	632	6539	6438	-1153	18438	0	18438	2687	21125	49.96
12	5469	1196	277	6942	555	4974	0	722	6889	6995	-1265	18924	0	18924	2780	21704	49.97
13	5557	596	279	6432	553	5081	0	765	7000	7139	-1388	18582	0	18582	2737	21318	49.92
14	5516	414	225	6156	457	5050	0	651	6999	6910	-1384	17840	0	17840	2628	20468	50.03
15	5528	418	231	6176	356	5031	0	551	7074	7112	-1333	17894	0	17894	2614	20508	49.99
16	5738	542	222	6502	304	5073	0	399	6785	6496	-1191	17582	0	17582	2586	20168	49.93
17	5869	560	221	6650	252	5070	0	209	5819	5868	-1106	16942	0	16942	2568	19510	49.94
18	5940	458	231	6630	274	5093	0	42	5433	5369	-1035	16372	0	16372	2522	18894	49.89
19	5752	268	221	6240	396	4973	0	2	5195	5269	-1141	15740	0	15740	2537	18276	49.98
20	5609	364	222	6194	445	4943	0	0	5002	4893	-1259	15216	0	15216	2466	17682	49.98
21	5247	84	231	5562	504	4576	0	0	4968	4857	-1162	14338	0	14338	2307	16644	49.91
22	4991	84	221	5296	507	4117	0	0	4873	4876	-1167	13630	0	13630	2124	15754	50.01
23	5043	84	221	5348	548	4038	0	0	4772	4623	-1105	13452	0	13452	1971	15423	50.02
24	5031	84	221	5336	458	3782	0	0	4540	4655	-1077	13154	0	13154	1925	15079	50.03
MUs	127.76	11.27	4.93	143.96	10.70	108.32	0.00	4.68	132.71	132.90	-24.17	376.39	0.00	376.39	52.43	428.82	49.97

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/2019

Position as on 6.30 Hrs of 31/Dec/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	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 U1	262	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U2	126	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 30/Dec/2019

Position as on 6.30 Hrs of 31/Dec/2019

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Koradi Unit 9	660	26/12/2019	00.45	30/12/2019	03.20	Raph A Motor Drive Trip.	
MSPGCL	Uran Unit 6	108	28/12/2019	14.34	30/12/2019	06.23	Gas shortage	
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	Paras Unit 3	250	28/12/2019	23:18	30/12/2019	21.35	Boiler Tube Leakage	
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.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 30/Dec/2019

Statement-VII

Position as on 6.30 Hrs of 31/Dec/2019

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV LINE Outages/Trippings							
Koradi III - Tirora - I	IntraState	30/12/2019	14.02	30/12/2019	15.42	PO	Summetion Meter Installation Work.
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	29/12/2019	17.53	30/12/2019	07.19	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	30/12/2019	18.08		Continued.	HT	Over Voltage
Akola - Bhusawal	IntraState	18/12/2019	19.00	30/12/2019	21.14	PO	Restranging for Railway Work
Padghe - Kalwa-II	IntraState	25/12/2019	10.31		Continued.	PO	MMRDA Shifting/Height Raising Construction Work
Dhule- Bableshtar - I	IntraState	29/12/2019	23.11	30/12/2019	09.37	HT	Over Voltage
Padghe - Nagothane - I	IntraState	30/12/2019	13.16		Continued.	PO	Shifting Work.
Bhusawal-Aurangabad	IntraState	30/12/2019	21.25		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 315 Mva Ict 2 @Parali (Girwali)	IntraState	30/12/2019	09.25	30/12/2019	17.01	PO	Epoxy Coating to Tertiary Delta Formation.
400/132 Kv 200 Mva Ict 2 @Khadka	IntraState	30/12/2019	12.50	30/12/2019	14.00	PO	Online Nitrogen Filing of CTR.
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.
Kharepatan -Pawas Line	IntraState	30/12/2019	09.23	30/12/2019	18.50	PO	Washing of Insulator Strings.
Paras-Balapur Iv	IntraState	30/12/2019	09.25		Continued.	HT	In View of Dist Relay Faulty Declared By Testing Unit.
Main Bus-I@Versova	IntraState	30/12/2019	10.06	30/12/2019	20.10	PO	Bus GIS section out/ tata versova to AEML versova GIS Line in Line out work in progress.
Raymond - Washala	IntraState	30/12/2019	12.40	30/12/2019	18.36	PO	Replacement of Old Disc Insulator.
ACCIL - Apta	IntraState	30/12/2019	17.20		Continued.	T	B-Phase CT Burst 162 MW Load Affected.
Nagothane - ACCIL	IntraState	30/12/2019	17.20	30/12/2019	17.46	T	Distance Protection, D-66.6KM, Z-1, RYB-E, IA-2.7KAMP, B-Phase CT Burst of ACCIL Line at Apta End.
Uran - Apta IV	IntraState	30/12/2019	17.20	30/12/2019	17.45	T	Bus Trip.
Uran - Apta III	IntraState	30/12/2019	17.20	30/12/2019	17.50	T	Bus Trip.
220 KV ICT Outages/Trippings							
220/132/11 Kv 200 Mva Cgl Ict 2 @Amravati	IntraState	30/12/2019	09.47		Continued.	PO	OLTC O/H.
220/100 Kv 200 Mva Alstom Ict 2 @Apta	IntraState	30/12/2019	17.20	30/12/2019	17.57	T	Bus Trip.
220/100 Kv 200 MVA ICT I @Apta	IntraState	30/12/2019	17.20	30/12/2019	17.54	T	Bus Trip.
132 KV LINE Outages/Trippings							
Chalishaon - Manmad	IntraState	30/12/2019	16.15	30/12/2019	17.30	T	Distance Protection

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