

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 21/Dec/2019 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	137.634	2834.878	1) Gujrat	3.667	96.131
2) Hydro	13.714	302.364	2) Madhya Pradesh	12.260	219.582
3) Gas	5.708	143.706	3) Chattisgarh	7.200	140.910
Total MSPGCL	157.056	3280.948	4) Maharashtra	120.308	2462.056
B) 1) APML	65.984	1471.763	5) Goa (Amona)	-0.682	-14.454
2) JSWEL	24.210	456.725	Total	142.753	2904.225
3) VIPL	0.000	0.000	a) Mumbai Schedule	24.536	575.342
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	27.270	606.057
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	24.627	568.178
6) Other IPP	14.518	292.259	Include PX	2.699	105.474
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	24.536	575.342
C) 1) TPCL Thermal	9.771	202.518	Include PX	10.102	225.731
2) TPCL Hydro	4.136	106.353	Standby	0.000	0.000
3) TPCL Gas	2.174	59.340	H) ENERGY CATERED (MUs)		
4) AEML Thermal	10.751	223.762	1) MSEDCL	389.415	8125.899
D) STATE			2) Mumbai Discoms	54.102	1198.029
1) Thermal	262.868	5481.905	TOTAL STATE	443.517	9323.928
(A1+C1+C4+(B1-B6))					
2) Hydro	17.850	408.717			
(A2+C2)					
3) Gas	7.882	203.046			
(A3+B7+C3)					
4) Wind	6.840	218.632			
6) SOLAR	5.324	107.404			
TOTAL STATE	300.764	6419.704			

* 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	6191	6186	5413	5229
MSPGCL Hydro	575	506	1259	56
MSPGCL Gas	279	252	216	214
MSPGCL Total Generation	7045	6944	6888	5499
Central Sector Receipt	6893	6965	5952	4910
WIND	570	420	278	164
CPP / IPP Thermal	4912	4668	4430	3950
CPP / IPP Gas	0	0	0	0
SOLAR	806	811	0	0
Exchange with Mumbai	-1344	-1501	-1191	-920
MSEDCL DEMAND MET	18882	18307	16357	13603
Load Shedding	0	0	0	0
MSEDCL DEMAND	18882	18307	16357	13603
TPCL GENERATION	921	722	977	406
AEML GENERATION	498	498	498	373
MUMBAI DEMAND	2763	2721	2666	1699
STATE DEMAND MET	21645	21028	19023	15302
STATE DEMAND	21645	21028	19023	15302
Frequency (Hz)	50.03	49.99	50.05	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.2 Hz at 06.01 Hrs	49.81 Hz at 19.17 Hrs	50	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 21/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	11.23	238.57	520	371
Unit 9	11.43	241.67	550	380
Unit 10	8.69	161.26	600	0
Total	31.34	641.49		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	138.45	0	0
Unit 5	10.15	182.11	500	350
Total	10.15	320.56		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.35	114.10	250	0
Unit 7	5.49	92.78	248	191
Unit 8	5.33	82.46	248	171
Total	15.17	289.34		
Chandrapur				
Unit 3	4.33	88.54	194	163
Unit 4	3.95	74.84	175	151
Unit 5	8.75	183.56	375	358
Unit 6	1.41	190.43	360	0
Unit 7	0.00	0.00	0	0
Unit 8	10.41	218.00	475	360
Unit 9	10.35	216.52	475	360
Total	39.21	971.90		
Paras				
Unit 3	5.21	46.75	245	190
Unit 4	5.12	48.18	230	191
Total	10.32	94.92		
Khaparkheda				
Unit 1	3.90	45.36	180	130
Unit 2	4.22	48.50	190	150
Unit 3	4.20	49.00	195	158
Unit 4	4.29	84.71	195	160
Unit 5	10.49	205.79	495	367
Total	27.10	433.35		
Nasik				
Unit 3	4.34	36.54	197	161
Unit 4	0.00	0.00	0	0
Unit 5	0.00	46.76	0	0
Total	4.34	83.30		
Uran				
All Units	5.71	143.71	305	207
Total	5.71	143.71		
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)	0.04	1.62	22	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.04	1.62		
Koyna				
Stage 1-2	4.85	86.59	435	35
Stage 4	5.02	137.20	745	0
Stage 3	1.84	47.10	284	0
Total	11.70	270.88		
Hydro				
KDPH	0.00	1.24	0	0
VTRNA	0.00	0.00	0	0
TILLARI	0.54	2.36	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.28	6.41	80	0
RNGR+BHTSA	0.36	7.95	15	14
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.17	6.19	8	7
GHATGHAR	0.66	7.34	125	0
Total	2.01	31.48		
Wind				
Total	6.84	218.63	0	0
Total	6.84	218.63		
CPP				
APML(Mus)	65.98	1471.76	0	0
JSWEL(Mus)	24.21	456.72	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)	14.52	292.26	0	0
Total	104.71	2220.75		
SOLAR				
Total	5.32	107.40	0	0
Total	5.32	107.40		
Tata				
Trombay 5	9.77	202.42	479	308
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.18	34.43	51	49
Trombay 7B	0.99	24.91	42	40
Trombay 8	0.00	0.10	0	0
TATA Hydro	4.14	106.35	419	0
Total	16.08	368.21		
AEML				
DTPS U-1&2	10.75	223.76	501	372
Total	10.75	223.76		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	137.63	2834.88	MSPGCL Total	157.06	3280.95
			MSPGCL Thml+Gas	143.34	2978.58	Koyna 1,2 & 4 Total	9.86	223.78
			MSPGCL Hydro	13.71	302.36	State Total	300.76	6419.70

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 21/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	5177	56	224	5457	157	3969	0	0	5166	5101	-1146	13538	0	13538	1925	15463	49.99
2	5192	116	213	5521	184	3947	0	0	5022	5104	-1005	13751	0	13751	1785	15536	49.97
3	5229	56	214	5499	164	3950	0	0	4939	4910	-920	13603	0	13603	1699	15302	49.99
4	5264	56	223	5543	193	3962	0	0	4896	4831	-867	13662	0	13662	1644	15306	50.00
5	5563	62	212	5837	212	4016	0	0	4943	4822	-851	14036	0	14036	1627	15663	50.00
6	5937	212	224	6373	224	4339	0	0	5523	5863	-947	15852	0	15852	1734	17586	50.00
7	6281	92	249	6622	240	4604	0	2	6373	6182	-774	16876	0	16876	1843	18719	50.01
8	6284	636	285	7205	440	4836	0	68	6235	6274	-739	18084	0	18084	1957	20041	49.98
9	6201	812	305	7318	324	4988	0	270	6067	6178	-887	18191	0	18191	2182	20373	49.98
10	6216	1023	282	7521	432	4981	0	513	5952	6048	-1092	18403	0	18403	2476	20879	50.01
11	6211	1150	291	7652	537	4958	0	680	6388	6166	-1225	18768	0	18768	2693	21461	50.00
12	6191	575	279	7045	570	4912	0	806	6883	6893	-1344	18882	0	18882	2763	21645	50.03
13	6186	506	252	6944	420	4668	0	811	7014	6965	-1501	18307	0	18307	2721	21028	49.99
14	6186	482	241	6909	278	4473	0	808	7057	7295	-1438	18325	0	18325	2584	20909	50.02
15	6191	926	230	7347	175	4368	0	640	7029	7086	-1417	18199	0	18199	2585	20784	50.01
16	6193	1394	240	7827	174	4382	0	489	6676	6703	-1249	18326	0	18326	2598	20924	49.99
17	5867	1288	230	7385	143	4419	0	210	6184	6267	-1124	17300	0	17300	2582	19882	49.97
18	5440	1644	226	7310	161	4437	0	27	5739	5761	-1099	16597	0	16597	2573	19170	49.99
19	5413	1259	216	6888	278	4430	0	0	5795	5952	-1191	16357	0	16357	2666	19023	50.05
20	5589	769	216	6574	317	4385	0	0	5683	5665	-1113	15828	0	15828	2598	18426	49.97
21	5401	136	217	5754	274	4244	0	0	5618	5579	-1276	14575	0	14575	2431	17006	49.99
22	5206	108	216	5530	270	3919	0	0	5884	5745	-1444	14020	0	14020	2272	16292	50.03
23	5093	58	207	5358	316	3774	0	0	5925	5862	-1366	13944	0	13944	2138	16082	49.99
24	5123	298	216	5637	357	3751	0	0	5510	5501	-1255	13991	0	13991	2026	16017	49.99
MUs	137.63	13.71	5.71	157.06	6.84	104.71	0.00	5.32	142.50	142.75	-27.27	389.42	0.00	389.42	54.10	443.52	50.00

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 21/Dec/2019

Position as on 6.30 Hrs of 22/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		Continued.	Annual Overhaul	
MSPGCL	Koyna STG-IV Unit-4	250	06/12/2019	12.00	22/12/2019	21.00	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 By MSEDCL.	
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 4	500	18/12/2019	12.05		Continued.	Zero Schedule	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 21/Dec/2019

Position as on 6.30 Hrs of 22/Dec/2019

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Uran Unit 5	108	18/12/2019	13.01		Continued.	Turbine bearing Vibration high	
MSPGCL	Chandrapur Unit 6	500	19/12/2019	04.27	21/12/2019	19.00	Boiler Tube Leakage	
IPP	Adani U-4	660	21/12/2019	13.34		Continued.	Hot PA Bellow Leakage.	
MSPGCL	Parli Unit 6	250	21/12/2019	16.08	21/12/2019	19.42	Furnace Pressure High	
MSPGCL	Koradi Unit 10	660	21/12/2019	16.57		Continued.	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Dec/2019

Statement-VII

Position as on 6.30 Hrs of 22/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 - Akola II- ckt-II	IntraState	21/12/2019	09.39	21/12/2019	18.52	PO	Routine Maintenance 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	20/12/2019	17.37	21/12/2019	10.11	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	21/12/2019	16.10	22/12/2019	10.54	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	22/12/2019	16.57		Continued.	HT	Over Voltage
Kala Kudus Ckt-II	IntraState	18/12/2019	08.13		Continued.	PO	Routine Maintenance Work
Akola - Bhusawal	IntraState	18/12/2019	19.00		Continued.	PO	Restranging for Railway work
karad -kolhapur-II	IntraState	20/12/2019	09.40	21/12/2019	09.27	PO	Hot Spot On Isolator(RFC 17.46Hrs DT.20-12-19)
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 1 @Parali (Girwali)	IntraState	10/12/2019	10.27		Continued.	PO	For Replacment Of Y-PH UNIT By Overhauled Unit.
400/220/33 Kv 500 Mva Ict 1 @ CHANDRAPUR 2	IntraState	20/12/2019	13.56		Continued.	T	NDR Protection Operated.
400/220kv, 500 MVA ICT-III @Babhleshwar	IntraState	21/12/2019	16.24	21/12/2019	18.39	EO	To attend Hot Spot
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)
Wpcl-Warora 2	IntraState	18/12/2019	18.02		Continued.	PO	LA Replacement at warora end
Colourchem - Temghar	IntraState	21/12/2019	00.52	21/12/2019	18.00	PO	Distance Relay Replacement.
Peth- Mudshingi -I	IntraState	21/12/2019	09.23	21/12/2019	17.54	PO	Earth wire Stringing Work.
Karad(400kv) -Mudshingi Ckt 2-Tak	IntraState	21/12/2019	09.41	21/12/2019	17.52	PO	Earth wire Stringing Work.
Dondaicha(220)-Amalner(220)	IntraState	21/12/2019	10.46	21/12/2019	15.15	PO	Replacement of R&Y Phase Line C.T.
Boisar II - Boisar PG II	IntraState	22/12/2019	06.48		Continued.	PO	Cut Point Formation Work.
Nalasopara-Boisar	IntraState	22/12/2019	07.00		Continued.	HT	Cut Point Formation Work.
New Koyna - Pedambe	IntraState	22/12/2019	12.47	22/12/2019	15.19	PO	Annual Maintenance Work
Boisar Versova Line	IntraState	22/12/2019	19.41		Continued.	HT	For Load Control.
220 KV ICT Outages/Trippings							
220/132 Kv 200mva Vijay Ict 2 @Jalna	IntraState	20/12/2019	10.55		Continued.	PO	Overhauling servicing Of OLTC OF ICT & Testing/Routine Maintenance Work.
220/132 KV 200MVA ict 1@Nasik GCR	IntraState	21/12/2019	10.12	21/12/2019	17.58	PO	Testing & Routine Maintenance Work.
220/100 Kv 200 Mva Aval Ict 2 @Taloja	IntraState	22/12/2019	11.19		Continued.	PO	TBC Shifting For CB Overhauling Work.

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