

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 20/Dec/2019 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	131.631	2697.244	1) Gujrat	3.883	92.464
2) Hydro	15.786	288.650	2) Madhya Pradesh	12.626	207.322
3) Gas	5.766	137.998	3) Chattisgarh	6.970	133.710
Total MSPGCL	153.183	3123.892	4) Maharashtra	116.791	2341.748
B) 1) APMIL	72.829	1405.779	5) Goa (Amona)	-0.704	-13.772
2) JSWEL	24.930	432.515	Total	139.566	2761.472
3) VIPL	0.000	0.000	a) Mumbai Schedule	24.840	550.807
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	28.286	578.787
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	21.843	543.552
6) Other IPP	14.645	277.741	Include PX	2.305	102.775
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	24.840	550.807
C) 1) TPCL Thermal	9.773	192.747	Include PX	11.179	215.628
2) TPCL Hydro	5.507	102.217	Standby	0.000	0.000
3) TPCL Gas	2.327	57.166	H) ENERGY CATERED (MUs)		
4) AEML Thermal	10.714	213.011	1) MSEDCL	387.061	7736.484
D) STATE			2) Mumbai Discoms	56.607	1143.927
1) Thermal	264.522	5219.037	TOTAL STATE	443.668	8880.411
(A1+C1+C4+(B1-B6))					
2) Hydro	21.293	390.867			
(A2+C2)					
3) Gas	8.093	195.164			
(A3+B7+C3)					
4) Wind	4.907	211.792			
6) SOLAR	5.287	102.080			
TOTAL STATE	304.102	6118.940			

* 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 3 Hrs
MSPGCL Thermal	5619	5715	5632	4923
MSPGCL Hydro	1331	1013	667	62
MSPGCL Gas	290	286	231	223
MSPGCL Total Generation	7240	7014	6530	5208
Central Sector Receipt	6761	6699	5573	4869
WIND	193	183	147	302
CPP / IPP Thermal	4976	5016	5041	4074
CPP / IPP Gas	0	0	0	0
SOLAR	734	852	0	0
Exchange with Mumbai	-1363	-1403	-1272	-880
MSEDCL DEMAND MET	18541	18361	16019	13573
Load Shedding	0	0	0	0
MSEDCL DEMAND	18541	18361	16019	13573
TPCL GENERATION	1000	995	1027	424
AEML GENERATION	500	500	501	372
MUMBAI DEMAND	2863	2898	2800	1676
STATE DEMAND MET	21404	21259	18819	15249
STATE DEMAND	21404	21259	18819	15249
Frequency (Hz)	50.01	50.00	49.97	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.21 Hz at 06.02 Hrs	49.76 Hz at 16.44 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 20/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	10.76	227.34	490	370
Unit 9	10.62	230.24	490	380
Unit 10	11.09	152.57	520	360
Total	32.47	610.15		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	138.45	0	0
Unit 5	9.23	171.96	415	355
Total	9.23	310.41		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.05	109.75	235	190
Unit 7	5.38	87.29	249	187
Unit 8	0.34	77.14	124	0
Total	10.78	274.18		
Chandrapur				
Unit 3	4.35	84.22	190	163
Unit 4	4.01	70.89	175	159
Unit 5	8.49	174.81	365	300
Unit 6	0.00	189.02	0	0
Unit 7	0.00	0.00	0	0
Unit 8	10.29	207.59	480	360
Unit 9	10.45	206.17	480	360
Total	37.58	932.69		
Paras				
Unit 3	5.03	41.54	240	187
Unit 4	5.10	43.06	225	195
Total	10.13	84.60		
Khaparkheda				
Unit 1	3.96	41.45	185	125
Unit 2	4.28	44.28	190	160
Unit 3	4.37	44.80	195	158
Unit 4	4.37	80.42	196	160
Unit 5	10.25	195.30	480	356
Total	27.22	406.25		
Nasik				
Unit 3	4.21	32.20	203	160
Unit 4	0.00	0.00	0	0
Unit 5	0.00	46.76	0	0
Total	4.21	78.96		
Uran				
All Units	5.77	138.00	295	212
Total	5.77	138.00		
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)	0.01	1.58	12	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.01	1.58		
Koyna				
Stage 1-2	3.50	81.74	385	35
Stage 4	8.30	132.18	777	0
Stage 3	2.32	45.26	240	0
Total	14.12	259.18		
Hydro				
KDPH	0.00	1.24	0	0
VTRNA	0.00	0.00	0	0
TILLARI	0.26	1.82	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.34	6.12	80	0
RNGR+BHTSA	0.39	7.59	17	16
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.28	6.02	12	11
GHATGHAR	0.39	6.68	125	0
Total	1.67	29.47		
Wind				
Total	4.91	211.79	0	0
Total	4.91	211.79		
CPP				
APML(Mus)	72.83	1405.78	0	0
JSWEL(Mus)	24.93	432.52	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)	14.64	277.74	0	0
Total	112.40	2116.04		
SOLAR				
Total	5.29	102.08	0	0
Total	5.29	102.08		
Tata				
Trombay 5	9.77	192.65	478	314
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.28	33.25	62	49
Trombay 7B	1.05	23.92	50	41
Trombay 8	0.00	0.10	0	0
TATA Hydro	5.51	102.22	459	0
Total	17.61	352.13		
AEML				
DTPS U-1&2	10.71	213.01	502	372
Total	10.71	213.01		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	131.63	2697.24	MSPGCL Total	153.18	3123.89
			MSPGCL Thml+Gas	137.40	2835.24	Koyna 1,2 & 4 Total	11.80	213.92
			MSPGCL Hydro	15.79	288.65	State Total	304.10	6118.94

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 20/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	5063	62	223	5348	225	4083	0	0	5172	5278	-1116	13818	0	13818	1914	15732	50.02
2	4887	87	212	5186	265	4070	0	0	5058	5176	-964	13733	0	13733	1763	15496	49.97
3	4923	62	223	5208	302	4074	0	0	4967	4869	-880	13573	0	13573	1676	15249	50.01
4	4955	63	224	5242	300	4030	0	0	4946	5069	-818	13823	0	13823	1615	15438	50.00
5	5075	78	223	5376	408	4082	0	0	4994	5280	-819	14327	0	14327	1617	15944	50.00
6	5602	495	224	6321	366	4312	0	0	5275	5525	-924	15600	0	15600	1743	17343	50.02
7	5739	908	225	6872	325	4619	0	1	6161	6068	-796	17089	0	17089	1914	19003	49.95
8	5817	1380	213	7410	261	4901	0	70	6159	6091	-815	17918	0	17918	2090	20008	49.88
9	5765	1466	281	7512	174	4976	0	266	6214	6239	-950	18217	0	18217	2359	20576	49.99
10	5677	1523	295	7495	199	4991	0	557	6229	6267	-1136	18373	0	18373	2652	21025	49.94
11	5619	1331	290	7240	193	4976	0	734	6642	6761	-1363	18541	0	18541	2863	21404	50.01
12	5729	1092	278	7099	161	5020	0	797	7001	6787	-1432	18432	0	18432	2932	21364	49.92
13	5715	1013	286	7014	183	5016	0	852	6793	6699	-1403	18361	0	18361	2898	21259	50.00
14	5687	912	262	6861	135	5031	0	754	6730	6716	-1438	18059	0	18059	2756	20815	49.99
15	5735	1083	242	7060	128	5049	0	612	6802	6791	-1460	18180	0	18180	2780	20960	49.98
16	5717	1109	230	7056	111	5031	0	436	6630	6480	-1302	17812	0	17812	2798	20610	49.94
17	5735	967	231	6933	78	5042	0	186	6204	6057	-1262	17034	0	17034	2790	19824	49.90
18	5723	829	241	6793	50	5069	0	22	5741	5775	-1258	16451	0	16451	2760	19211	49.99
19	5632	667	231	6530	147	5041	0	0	5609	5573	-1272	16019	0	16019	2800	18819	49.97
20	5720	276	221	6217	167	4961	0	0	5406	5399	-1254	15490	0	15490	2700	18190	50.02
21	5564	81	241	5886	219	4878	0	0	5072	4961	-1373	14571	0	14571	2526	17097	49.97
22	5347	69	232	5648	191	4641	0	0	5443	5231	-1505	14206	0	14206	2350	16556	49.97
23	5096	84	225	5405	154	4343	0	0	5310	5302	-1440	13764	0	13764	2222	15986	50.01
24	5109	149	213	5471	165	4168	0	0	5207	5172	-1306	13670	0	13670	2089	15759	50.00
MUs	131.63	15.79	5.77	153.18	4.91	112.40	0.00	5.29	139.76	139.57	-28.29	387.06	0.00	387.06	56.61	443.67	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 20/Dec/2019

Position as on 6.30 Hrs of 21/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		Continued.	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	Parli Unit 8	250	17/12/2019	20.49	20/12/2019	19.27	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 20/Dec/2019

Position as on 6.30 Hrs of 21/Dec/2019

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Bhusawal Unit 4	500	18/12/2019	12.05		Continued.	Zero Schedule	
MSPGCL	Uran Unit 5	108	18/12/2019	13.01		Continued.	Turbine bearing Vabration high	
MSPGCL	Chandrapur Unit 6	500	19/12/2019	04.27		Continued.	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Tripping for 20/Dec/2019

Statement-VII

Position as on 6.30 Hrs of 21/Dec/2019

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400 KV LINE Outages/Tripping							
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	19/12/2019	20.11	20/12/2019	07.52	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	20/12/2019	17.37		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	Restrining for Railway work
Bus Coupler @ New Koyana	IntraState	19/12/2019	13.37	20/12/2019	21.34	PO	Conductor Replacement & RMW.
karad -kolhapur-II	IntraState	20/12/2019	09.40		Continued.	PO	Hot Spot On Isolator.(RFC at 17:46)
400 KV ICT Outages/Tripping							
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 (Ginwali)	IntraState	10/12/2019	10.27		Continued.	PO	For Replacment Of Y-PH UNIT By Overhauled Unit.
400/220KV 500MVA ICT 2@koradi 2	IntraState	20/12/2019	11.30	20/12/2019	14.32	PO	On Line Test.
400/220/33 Kv 315 Mva ICT I @ Akola (M)	IntraState	20/12/2019	11.55	20/12/2019	14.30	PO	Caution Permit.
400/220/33 Kv 500 Mva Ict 1 @ CHANDRAPUR 2	IntraState	20/12/2019	13.56		Continued.	T	NDR Protection Operated.
220 KV LINE Outages/Tripping							
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)
Mudshingi - Chikodi	InterState	19/12/2019	11.30	20/12/2019	22:14	PO	Installation CVT and Wave Trap at Chikodi End.
Talandage - Chikodi	InterState	20/12/2019	10.00	20/12/2019	22.16	PO	Sparking On line Isolator At Chikodi End.
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
ALKUD - MENDHEGIRI CKT - 1	IntraState	19/12/2019	11.42		Continued.	PO	Construction Work.
Kamba - Kolshet	IntraState	20/12/2019	08.14	20/12/2019	18.44	PO	Bus Maintenance & Breaker overhauling.
Eklahare (Gcr)(Nashik) - Airoli Know Park	IntraState	20/12/2019	09.15	20/12/2019	18.37	PO	Routine Maintenance Work
Peth- Mudshingi -I	IntraState	20/12/2019	10.05	20/12/2019	18.48	PO	Destrining Of OLD Earthwire & Restrining New EarthWire
Karad(400kv) -Mudshingi Ckt 2-Tak	IntraState	20/12/2019	10.14	20/12/2019	18.35	PO	Destrining Of OLD Earthwire & Restrining New EarthWire
Jambhul - Anandnagar	IntraState	20/12/2019	10.40	20/12/2019	19.05	PO	Diagnostic Testing,Routine maintenance & Attending Hot Spot.
Parli New Tps - Beed Ckt 2	IntraState	20/12/2019	11.05	20/12/2019	21.20	PO	Replacement Of RPH L.A.
220 KV ICT Outages/Tripping							
220/100 Kv 200 MVA ICT II @Kolshet	IntraState	20/12/2019	08.25	20/12/2019	19.03	PO	Bus Maintenance & Breaker overhauling.
220/100 Kv 200 Mva Bhel Ict 1 @Kalwa	IntraState	20/12/2019	09.10	20/12/2019	17.46	PO	Bus Maintenance & Breaker overhauling.
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 ICT III @ Nasik OCR	IntraState	20/12/2019	13.01	20/12/2019	16.13	PO	Routine Maintenance Work

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