

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 24/Dec/2019 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	131.015	3233.008	1) Gujrat	5.775	112.443
2) Hydro	20.218	354.688	2) Madhya Pradesh	11.390	253.861
3) Gas	5.665	160.481	3) Chattisgarh	7.020	161.440
Total MSPGCL	156.898	3748.177	4) Maharashtra	132.569	2841.220
B) 1) APML	62.344	1652.602	5) Goa (Amona)	-0.682	-16.566
2) JSWEL	24.113	527.208	Total	156.072	3352.398
3) VIPL	0.000	0.000	a) Mumbai Schedule	27.055	647.619
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	30.249	688.801
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	29.889	651.954
6) Other IPP	14.459	334.170	Include PX	7.724	122.864
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	27.055	647.619
C) 1) TPCL Thermal	9.668	231.495	Include PX	12.912	257.988
2) TPCL Hydro	5.067	118.353	Standby	0.000	0.000
3) TPCL Gas	2.547	66.868	H) ENERGY CATERED (MUs)		
4) AEML Thermal	10.778	255.978	1) MSEDCL	398.376	9297.743
D) STATE			2) Mumbai Discoms	58.309	1361.495
1) Thermal	252.377	6234.461	TOTAL STATE	456.685	10659.238
(A1+C1+C4+(B1-B6))					
2) Hydro	25.285	473.041			
(A2+C2)					
3) Gas	8.212	227.349			
(A3+B7+C3)					
4) Wind	9.427	249.644			
6) SOLAR	5.312	122.345			
TOTAL STATE	300.613	7306.840			

* 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	5720	5752	5809	4758
MSPGCL Hydro	1482	1413	1248	102
MSPGCL Gas	288	229	225	221
MSPGCL Total Generation	7490	7394	7282	5082
Central Sector Receipt	7897	7842	6022	5444
WIND	228	173	56	726
CPP / IPP Thermal	4372	4367	4611	3576
CPP / IPP Gas	0	0	0	0
SOLAR	892	862	0	0
Exchange with Mumbai	-1480	-1549	-1337	-999
MSEDCL DEMAND MET	19399	19089	16634	13828
Load Shedding	0	0	0	0
MSEDCL DEMAND	19399	19089	16634	13828
TPCL GENERATION	1024	904	996	419
AEML GENERATION	500	500	500	372
MUMBAI DEMAND	3004	2953	2833	1790
STATE DEMAND MET	22403	22042	19467	15618
STATE DEMAND	22403	22042	19467	15618
Frequency (Hz)	49.99	50.00	50.02	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.2 Hz at 06.02 Hrs	49.67 Hz at 22.12 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 24/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	11.54	270.09	560	430
Unit 9	10.42	272.77	515	370
Unit 10	0.00	161.26	0	0
Total	21.95	704.12		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	8.31	149.28	360	320
Unit 5	0.00	200.48	0	0
Total	8.31	349.77		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.44	130.32	250	190
Unit 7	3.31	103.69	249	0
Unit 8	5.42	98.24	250	195
Total	14.16	332.25		
Chandrapur				
Unit 3	4.29	101.46	190	163
Unit 4	0.00	81.14	0	0
Unit 5	8.68	209.53	370	349
Unit 6	10.67	221.90	480	360
Unit 7	0.00	0.00	0	0
Unit 8	10.88	250.02	475	360
Unit 9	10.96	248.37	480	370
Total	45.48	1112.42		
Paras				
Unit 3	4.92	62.01	225	174
Unit 4	4.95	63.20	225	189
Total	9.88	125.21		
Khaparkheda				
Unit 1	4.00	57.44	185	145
Unit 2	4.20	61.13	190	160
Unit 3	4.31	61.71	195	158
Unit 4	4.34	97.47	195	160
Unit 5	10.14	235.48	490	365
Total	27.00	513.22		
Nasik				
Unit 3	4.24	49.26	195	158
Unit 4	0.00	0.00	0	0
Unit 5	0.00	46.76	0	0
Total	4.24	96.02		
Uran				
All Units	5.66	160.48	304	211
Total	5.66	160.48		
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)	0.06	1.78	27	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.06	1.78		
Koyna				
Stage 1-2	4.22	98.59	420	35
Stage 4	11.01	163.22	1000	0
Stage 3	3.02	55.24	320	0
Total	18.25	317.05		
Hydro				
KDPH	0.18	2.04	19	0
VTRNA	0.00	0.00	0	0
TILLARI	0.00	3.32	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.27	7.04	80	0
RNGR+BHTSA	0.37	9.02	16	15
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.53	7.15	26	18
GHATGHAR	0.60	9.07	125	0
Total	1.96	37.64		
Wind				
Total	9.43	249.64	0	0
Total	9.43	249.64		
CPP				
APML(Mus)	62.34	1652.60	0	0
JSWEL(Mus)	24.11	527.21	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)	14.46	334.17	0	0
Total	100.92	2513.98		
SOLAR				
Total	5.31	122.34	0	0
Total	5.31	122.34		
Tata				
Trombay 5	9.67	231.40	470	312
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.41	38.58	62	55
Trombay 7B	1.14	28.28	50	45
Trombay 8	0.00	0.10	0	0
TATA Hydro	5.07	118.35	445	0
Total	17.28	416.72		
AEML				
DTPS U-1&2	10.78	255.98	502	372
Total	10.78	255.98		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	131.02	3233.01	MSPGCL Total	156.90	3748.18
			MSPGCL Thml+Gas	136.68	3393.49	Koyna 1,2 & 4 Total	15.24	261.81
			MSPGCL Hydro	20.22	354.69	State Total	300.61	7306.84

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 24/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	4985	138	211	5334	636	3754	0	0	5625	5520	-1261	13982	0	13982	2054	16036	49.88
2	4805	172	233	5210	724	3639	0	0	5594	5605	-1111	14068	0	14068	1904	15972	50.01
3	4758	102	221	5082	726	3576	0	0	5517	5444	-999	13828	0	13828	1790	15618	49.96
4	4826	88	213	5126	808	3620	0	0	5303	5378	-931	14002	0	14002	1723	15724	49.97
5	5031	108	222	5360	848	3650	0	0	5362	5541	-922	14478	0	14478	1715	16192	49.97
6	5412	92	222	5726	825	3899	0	0	6125	6070	-990	15530	0	15530	1800	17330	49.99
7	5519	410	222	6152	732	3998	0	3	6953	6925	-787	17022	0	17022	1944	18966	50.02
8	5505	1328	276	7110	605	4104	0	71	6995	7042	-844	18088	0	18088	2121	20208	49.98
9	5633	1612	296	7542	509	4339	0	292	6907	7050	-1016	18716	0	18716	2431	21146	48.93
10	5739	1524	304	7568	358	4336	0	521	7134	7300	-1233	18850	0	18850	2746	21596	50.01
11	5759	1571	280	7610	277	4287	0	711	7556	7696	-1444	19137	0	19137	2958	22095	50.03
12	5720	1482	288	7490	228	4372	0	892	7880	7897	-1480	19399	0	19399	3004	22403	49.99
13	5752	1413	229	7394	173	4367	0	862	7836	7842	-1549	19089	0	19089	2953	22042	50.00
14	5776	1193	213	7182	121	4356	0	781	7767	7776	-1614	18602	0	18602	2820	21422	50.00
15	5771	1401	235	7407	99	4373	0	600	7978	7724	-1547	18656	0	18656	2845	21501	49.99
16	5745	1596	225	7566	105	4370	0	380	7643	7557	-1396	18582	0	18582	2862	21444	49.97
17	5757	1661	224	7642	91	4364	0	170	6853	6829	-1337	17759	0	17759	2843	20602	49.97
18	5765	1621	214	7600	47	4474	0	29	6128	6114	-1319	16945	0	16945	2807	19752	50.02
19	5809	1248	225	7282	56	4611	0	0	6042	6022	-1337	16634	0	16634	2833	19467	50.02
20	5774	736	214	6724	83	4780	0	0	5922	5950	-1284	16253	0	16253	2750	19003	50.00
21	5350	134	224	5708	234	4631	0	0	5857	5912	-1445	15040	0	15040	2579	17619	49.98
22	5247	380	235	5862	329	4421	0	0	5798	5713	-1572	14753	0	14753	2404	17157	49.99
23	5341	126	214	5681	379	4402	0	0	5786	5474	-1472	14464	0	14464	2268	16732	49.96
24	5236	80	225	5541	434	4193	0	0	5754	5691	-1359	14500	0	14500	2155	16655	50.03
MUs	131.01	20.22	5.67	156.90	9.43	100.92	0.00	5.31	156.32	156.07	-30.25	398.38	0.00	398.38	58.31	456.69	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 24/Dec/2019

Position as on 6.30 Hrs of 25/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	
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 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	Uran Unit 5	108	18/12/2019	13.01		Continued.	Turbine bearing Vibration high	
IPP	Adani U-4	660	21/12/2019	13.34	24/12/2019	17.05	Hot PA Bellow Leakage.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 24/Dec/2019

Position as on 6.30 Hrs of 25/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 10	660	21/12/2019	16.57		Continued.	Boiler Tube Leakage	
MSPGCL	Parli Unit 7	250	23/12/2019	10.47	24/12/2019	06.29	Main Steam Line Leakage	
MSPGCL	Chandrapur Unit 4	210	23/12/2019	15.39		Continued.	Boiler Tube Leakage	
MSPGCL	Bhusawal Unit 5	500	23/12/2019	22.05		Continued.	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 24/Dec/2019

Statement-VII

Position as on 6.30 Hrs of 25/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/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	23/12/2019	19.30	24/12/2019	05.40	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	24/12/2019	18.21		Continued.	HT	Over Voltage
Akola - Bhusawal	IntraState	18/12/2019	19.00		Continued.	PO	Restranging for Railway work
Karad-Jaigad - I	IntraState	24/12/2019	12.10	24/12/2019	13.55	EO	R PH IPS Clamp Hot Spot Attended.
Padghe - Nagothane - I	IntraState	24/12/2019	12.36	24/12/2019	19.21	PO	B PH CT Oil Leakage Attended at Nagothane.
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	24/12/2019	12.57	24/12/2019	13.55	HT	Release Air From Bucholz.
400/220/33 Kv 500 Mva Ict 2 @ CHANDRAPUR 2	IntraState	24/12/2019	17.30		Continued.	T	First Time Charging of LV CB 202, Tripped On NDR While Charging.
400/220 KV 500MVA ICT-IV @ Babhaleshwar	IntraState	24/12/2019	19.57	24/12/2019	23.00	EO	Hot Spot On LV B PH Bushing & 29D Isolator.
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)
Aurangabad PG (Chitepimpalgaon)- Chitegaon Ckt-I	InterState	24/12/2019	10.56	24/12/2019	16.42	PO	Routine Maintenance Work and Diagnostic Testing Work.
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	24/12/2019	14.58	PO	LA Replacement at warora end
Main Bus-I@Versova	IntraState	24/12/2019	14.57	24/12/2019	19.30	PO	Disconnection of 220KV AIS Bus-1 From GIS Bus-1 For AEML Versova GIS Bus to Be Kept Out Till 06-01-2020.
Abhijeet-Wardha-II	IntraState	24/12/2019	15.12	24/12/2019	18.48	PO	Replacement R PH LA A.
Boisar Versova Line	IntraState	24/12/2019	15.35	24/12/2019	10.51	PO	Safety Purpose During Work on 220KV AEML Versova-Tata Versova Project.
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.
220/100 kv 200 MVA ICT-II @Kalwa	IntraState	24/12/2019	09.22	24/12/2019	18.06	PO	Routine Maintenance Work
132 KV LINE Outages/Trippings							
Naldurg-Waghdari	IntraState	24/12/2019	14.10	24/12/2019	14.32	T	Distance Protection, Z2, 21.58KM, 2.12KA. B-Ph.

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