

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 22/Dec/2019 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	132.819	2967.697	1) Gujrat	5.049	101.180
2) Hydro	14.596	316.960	2) Madhya Pradesh	12.036	231.618
3) Gas	5.536	149.242	3) Chattisgarh	6.900	147.810
Total MSPGCL	152.951	3433.899	4) Maharashtra	118.587	2580.643
B) 1) APLM	59.080	1530.843	5) Goa (Amona)	-0.616	-15.070
2) JSWEL	22.723	479.448	Total	141.956	3046.181
3) VIPL	0.000	0.000	a) Mumbai Schedule	19.689	595.031
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	23.241	629.298
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	24.419	592.597
6) Other IPP	13.273	305.532	Include PX	2.429	107.903
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	19.689	595.031
C) 1) TPCL Thermal	9.502	212.020	Include PX	7.743	233.474
2) TPCL Hydro	1.896	108.249	Standby	0.000	0.000
3) TPCL Gas	2.417	61.757	H) ENERGY CATERED (MUs)		
4) AEML Thermal	10.636	234.398	1) MSEDCL	383.264	8509.163
D) STATE			2) Mumbai Discoms	47.693	1245.722
1) Thermal	248.033	5729.938	TOTAL STATE	430.957	9754.885
(A1+C1+C4+(B1-B6))					
2) Hydro (A2+C2)	16.492	425.209			
3) Gas (A3+B7+C3)	7.953	210.999			
4) Wind	11.692	230.324			
6) SOLAR	4.830	112.234			
TOTAL STATE	289.000	6708.704			

* 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	5857	5909	5946	5037
MSPGCL Hydro	1524	1365	104	58
MSPGCL Gas	209	218	224	216
MSPGCL Total Generation	7590	7492	6274	5311
Central Sector Receipt	6808	6833	5676	5294
WIND	409	393	420	482
CPP / IPP Thermal	4222	4207	4181	3609
CPP / IPP Gas	0	0	0	0
SOLAR	781	835	0	0
Exchange with Mumbai	-965	-1067	-957	-924
MSEDCL DEMAND MET	18845	18693	15594	13772
Load Shedding	0	0	0	0
MSEDCL DEMAND	18845	18693	15594	13772
TPCL GENERATION	719	582	790	400
AEML GENERATION	499	500	492	374
MUMBAI DEMAND	2183	2149	2239	1698
STATE DEMAND MET	21028	20842	17832	15470
STATE DEMAND	21028	20842	17832	15470
Frequency (Hz)	49.99	50.01	49.99	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 13.03 Hrs	49.83 Hz at 01.39 Hrs	49.99	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 22/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	8.51	247.08	460	300
Unit 9	10.07	251.73	500	330
Unit 10	0.00	161.26	0	0
Total	18.57	660.07		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	138.45	0	0
Unit 5	9.76	191.88	475	355
Total	9.76	330.32		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.33	119.43	250	190
Unit 7	5.34	98.11	249	191
Unit 8	5.05	87.52	235	187
Total	15.72	305.06		
Chandrapur				
Unit 3	4.33	92.88	190	163
Unit 4	3.84	78.68	173	131
Unit 5	8.69	192.25	375	346
Unit 6	10.24	200.68	470	354
Unit 7	0.00	0.00	0	0
Unit 8	10.44	228.44	480	360
Unit 9	10.14	226.66	460	368
Total	47.68	1019.59		
Paras				
Unit 3	5.17	51.92	250	187
Unit 4	5.07	53.25	245	187
Total	10.24	105.17		
Khaparkheda				
Unit 1	3.98	49.34	185	150
Unit 2	4.22	52.71	190	155
Unit 3	4.22	53.23	195	158
Unit 4	4.15	88.86	195	160
Unit 5	10.00	215.79	495	360
Total	26.57	459.93		
Nasik				
Unit 3	4.26	40.80	194	158
Unit 4	0.00	0.00	0	0
Unit 5	0.00	46.76	0	0
Total	4.26	87.57		
Uran				
All Units	5.54	149.24	303	206
Total	5.54	149.24		
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	1.66	28	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.04	1.66		
Koyna				
Stage 1-2	4.54	91.12	435	35
Stage 4	5.69	142.89	747	0
Stage 3	2.39	49.49	320	0
Total	12.62	283.50		
Hydro				
KDPH	0.18	1.42	19	0
VTRNA	0.00	0.00	0	0
TILLARI	0.48	2.84	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.15	6.56	80	0
RNGR+BHTSA	0.33	8.28	14	13
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.20	6.40	9	8
GHATGHAR	0.62	7.96	125	0
Total	1.98	33.46		
Wind				
Total	11.69	230.32	0	0
Total	11.69	230.32		
CPP				
APML(Mus)	59.08	1530.84	0	0
JSWEL(Mus)	22.72	479.45	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)	13.27	305.53	0	0
Total	95.08	2315.82		
SOLAR				
Total	4.83	112.23	0	0
Total	4.83	112.23		
Tata				
Trombay 5	9.50	211.92	480	297
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.33	35.76	58	49
Trombay 7B	1.09	26.00	48	41
Trombay 8	0.00	0.10	0	0
TATA Hydro	1.90	108.25	295	0
Total	13.82	382.03		
AEML				
DTPS U-1&2	10.64	234.40	502	372
Total	10.64	234.40		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	132.82	2967.70	MSPGCL Total	152.95	3433.90
			MSPGCL Thml+Gas	138.36	3116.94	Koyna 1,2 & 4 Total	10.23	234.01
			MSPGCL Hydro	14.60	316.96	State Total	289.00	6708.70

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 22/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	5096	78	207	5381	395	3607	0	0	5561	5568	-1140	13811	0	13811	1912	15723	49.99
2	5040	58	216	5314	392	3624	0	0	5796	5448	-1013	13765	0	13765	1784	15549	49.95
3	5037	58	216	5311	482	3609	0	0	5568	5294	-924	13772	0	13772	1698	15470	50.00
4	4976	58	206	5240	526	3610	0	0	5549	5396	-855	13917	0	13917	1627	15544	49.97
5	5033	138	217	5388	704	3623	0	0	5475	5489	-861	14343	0	14343	1636	15979	49.96
6	5330	400	206	5936	754	3715	0	0	5510	5993	-901	15497	0	15497	1686	17183	49.97
7	5714	313	295	6322	816	4005	0	1	6325	6309	-771	16682	0	16682	1751	18433	50.02
8	5726	867	286	6879	763	4037	0	50	6410	6386	-654	17461	0	17461	1804	19265	49.96
9	5719	1501	297	7517	717	4206	0	214	6018	6100	-741	18013	0	18013	1914	19927	49.99
10	5718	1696	303	7717	609	4066	0	446	6048	6214	-797	18255	0	18255	2039	20294	49.97
11	5785	1788	227	7800	546	4205	0	567	6483	6277	-890	18505	0	18505	2144	20649	49.98
12	5857	1524	209	7590	409	4222	0	781	6887	6808	-965	18845	0	18845	2183	21028	49.99
13	5909	1365	218	7492	393	4207	0	835	6833	6833	-1067	18693	0	18693	2149	20842	50.01
14	5932	883	212	7027	304	4237	0	714	6926	6822	-1004	18100	0	18100	2084	20184	50.08
15	5910	756	234	6900	283	4239	0	615	7060	7070	-964	18142	0	18142	2052	20194	50.02
16	5955	1136	215	7306	251	4174	0	403	6400	6344	-887	17592	0	17592	2029	19620	49.96
17	5971	714	224	6908	245	4193	0	181	5856	5766	-733	16560	0	16560	2011	18572	49.98
18	6003	566	226	6794	289	4186	0	23	5492	5425	-804	15914	0	15914	2079	17992	50.02
19	5946	104	224	6274	420	4181	0	0	5597	5676	-957	15594	0	15594	2239	17832	49.99
20	5554	236	212	6002	477	4099	0	0	5364	5519	-1085	15012	0	15012	2244	17256	49.99
21	5259	76	221	5556	467	4001	0	0	5211	5161	-1227	13958	0	13958	2233	16190	49.99
22	5129	110	222	5460	495	3698	0	0	5344	5384	-1365	13672	0	13672	2202	15874	50.03
23	5093	100	211	5404	476	3685	0	0	5291	5394	-1359	13600	0	13600	2138	15738	50.01
24	5127	74	232	5434	479	3647	0	0	5266	5281	-1277	13564	0	13564	2054	15618	50.02
MUs	132.82	14.60	5.54	152.95	11.69	95.08	0.00	4.83	142.27	141.96	-23.24	383.26	0.00	383.26	47.69	430.96	49.99

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 22/Dec/2019

Position as on 6.30 Hrs of 23/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 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	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 22/Dec/2019

Position as on 6.30 Hrs of 23/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	
IPP	Adani U-4	660	21/12/2019	13.34		Continued.	Hot PA Bellow Leakage.	
MSPGCL	Koradi Unit 10	660	21/12/2019	16.57		Continued.	Boiler Tube Leakage	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Tripping for 22/Dec/2019

Statement-VII

Position as on 6.30 Hrs of 23/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	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	Restraining for Railway work
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 (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.
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)
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
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/Tripping							
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 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