

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 21/Dec/2018 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	133.549	2857.864	1) Gujrat	1.418	29.533
2) Hydro	6.400	107.417	2) Madhya Pradesh	6.486	188.070
3) Gas	7.227	148.120	3) Chattisgarh	5.400	125.140
Total MSPGCL	147.176	3113.401	4) Maharashtra Net	92.015	1931.862
B) 1) APML	67.741	1437.468	5) Goa (Amona)	-0.550	-7.128
2) JSWEL	18.751	376.830	Total	104.769	2267.477
3) VIPL	10.529	192.596	a) Mumbai Schedule	17.485	381.380
4) RPL(AMT)	5.192	217.035	b) Mumbai Drawl	17.595	460.850
5) WPCL	0.000	27.408	c) MSEDCL Bilateral *	18.954	415.287
6) PGPL	0.000	0.000	Include PX	-8.314	-119.600
7) Other IPP	15.459	319.258	d) Mumbai Bilateral *	17.485	379.555
C) 1) TPCL Thermal	12.762	268.593	Include PX	-1.249	29.428
2) TPCL Hydro	5.511	76.226	Include Standby	0.000	1.825
3) TPCL Gas	4.402	89.635	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	9.811	185.476	1) MSEDCL	363.310	7806.268
D) STATE			2) Mumbai Discoms	50.081	1080.770
1) Thermal	273.794	5882.528	TOTAL STATE	413.391	8887.038
(A1+C1+C4+(B1-B6))					
2) Hydro	11.911	183.643			
(A2+C2)					
3) Gas	11.629	237.755			
(A3+B6+C3)					
4) Wind	5.410	208.788			
6) SOLAR	5.878	106.857			
TOTAL STATE	308.622	6619.571			

* 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 1 Hrs
MSPGCL Thermal	6014	5890	5753	5078
MSPGCL Hydro	440	532	522	112
MSPGCL Gas	299	285	293	314
MSPGCL Total Generation	6754	6708	6568	5504
Central Sector Receipt	5458	5191	4511	2971
WIND	259	202	138	308
CPP / IPP Thermal	5545	5373	4892	4251
CPP / IPP Gas	0	0	0	0
SOLAR	779	870	0	0
Exchange with Mumbai	-910	-1032	-1011	-513
MSEDCL DEMAND MET	17884	17312	15099	12521
Load Shedding	0	0	0	0
MSEDCL DEMAND	17884	17312	15099	12521
TPCL GENERATION	1152	1071	1167	688
R-INFRA GENERATION	502	493	377	377
MUMBAI DEMAND	2564	2596	2555	1578
STATE DEMAND MET	20448	19908	17654	14099
STATE DEMAND	20448	19908	17654	14099
Frequency (Hz)	49.95	49.92	49.91	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 06.02 Hrs	49.68 Hz at 07.38 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 21/Dec/2018

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.80	19.86	181	141
Unit 7	0.00	13.99	0	0
Unit 8	8.60	155.93	405	278
Unit 9	0.00	99.88	0	0
Unit 10	8.74	152.93	491	256
Total	21.15	442.59		
Bhusawal				
Unit 3	0.00	10.78	0	0
Unit 4	4.78	147.82	365	0
Unit 5	9.26	201.68	485	350
Total	14.04	360.28		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	11.08	0	0
Unit 7	0.00	37.54	0	0
Unit 8	4.65	102.48	232	172
Total	4.65	151.10		
Chandrapur				
Unit 3	4.22	88.84	185	163
Unit 4	4.21	88.05	185	164
Unit 5	9.40	193.98	415	365
Unit 6	9.38	201.41	435	360
Unit 7	9.14	189.06	419	360
Unit 8	10.40	210.19	470	365
Unit 9	10.29	210.34	470	360
Total	57.04	1181.87		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.14	110.77	255	190
Total	5.14	110.77		
Khaparkheda				
Unit 1	3.84	12.62	200	135
Unit 2	4.08	82.97	190	160
Unit 3	4.22	83.24	208	159
Unit 4	4.12	80.38	195	155
Unit 5	6.94	192.00	300	245
Total	23.21	451.21		
Nasik				
Unit 3	4.13	80.50	197	161
Unit 4	4.20	79.55	199	165
Unit 5	0.00	0.00	0	0
Total	8.32	160.05		
Uran				
All Units	7.23	148.12	316	275
Total	7.23	148.12		
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)	0.09	1.62	38	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.09	1.62		
Koyna				
Stage 1-2	1.86	31.63	245	35
Stage 4	0.00	6.37	0	0
Stage 3	0.32	8.45	80	0
Total	2.18	46.44		
Hydro				
KDPH	0.44	10.20	19	19
VTRNA	0.50	6.17	60	0
TILLARI	0.37	4.86	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.26	3.73	80	0
RNGR+BHTSA	0.31	6.98	14	13
BHANDARDRA	0.00	0.01	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	1.03	9.92	52	40
GHATGHAR	1.30	19.11	244	0
Total	4.22	60.97		
Wind				
Total	5.41	208.79	0	0
Total	5.41	208.79		
CPP				
APML(Mus)	67.74	1437.47	0	0
JSWEL(Mus)	18.75	376.83	0	0
VIPL(Mus)	10.53	192.60	0	0
RPLAMT(Mus)	5.19	217.04	0	0
WPCL(Mus)	0.00	27.41	0	0
Other(Mus)	15.46	319.26	0	0
Total	117.67	2570.60		
SOLAR				
Total	5.88	106.86	0	0
Total	5.88	106.86		
Tata				
Trombay 5	7.74	164.18	434	304
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.79	56.49	118	114
Trombay 7B	1.61	33.15	69	66
Trombay 8	5.02	104.41	226	201
TATA Hydro	5.51	76.23	448	0
Total	22.68	434.45		
R-INFRA				
DTPS U-1&2	9.81	185.48	502	374
Total	9.81	185.48		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	133.55	2857.86	MSPGCL Total	147.18	3113.40
			MSPGCL Thml+Gas	140.78	3005.98	Koyna 1,2 & 4 Total	1.86	38.00
			MSPGCL Hydro	6.40	107.42	State Total	308.62	6619.57

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 21/Dec/2018

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	5078	112	314	5504	308	4251	0	0	2850	2971	-513	12521	0	12521	1578	14099	49.95
2	5000	112	315	5426	276	4252	0	0	3261	3286	-388	12853	0	12853	1453	14306	49.96
3	4950	112	304	5366	343	4239	0	0	3553	3765	-321	13391	0	13391	1383	14774	49.98
4	4983	112	315	5410	289	4244	0	0	4002	3751	-299	13394	0	13394	1360	14754	49.95
5	5051	122	315	5488	303	4354	0	0	3955	4041	-301	13885	0	13885	1362	15247	49.97
6	5457	116	315	5888	351	4683	0	0	4459	4406	-434	14894	0	14894	1497	16391	49.95
7	5731	140	316	6186	389	5303	0	6	4987	4735	-525	16094	0	16094	1678	17772	49.90
8	5835	334	315	6484	393	5585	0	85	5158	4984	-459	17071	0	17071	1858	18929	49.79
9	5876	402	305	6582	304	5583	0	361	5136	5055	-546	17339	0	17339	2140	19479	49.91
10	5927	506	312	6746	260	5587	0	627	5041	4968	-713	17475	0	17475	2396	19871	49.91
11	6014	440	299	6754	259	5545	0	779	5369	5458	-910	17884	0	17884	2564	20448	49.95
12	6029	570	297	6896	251	5442	0	852	5343	5315	-990	17765	0	17765	2621	20386	49.93
13	5890	532	285	6708	202	5373	0	870	5283	5191	-1032	17312	0	17312	2596	19908	49.92
14	5793	368	275	6436	182	5205	0	816	5115	5193	-1082	16749	0	16749	2465	19214	49.99
15	5750	362	284	6396	186	5167	0	705	5276	5078	-1076	16456	0	16456	2470	18926	50.02
16	5655	208	285	6148	170	5095	0	512	4981	4793	-1054	15663	0	15663	2491	18154	49.92
17	5744	202	286	6232	140	4920	0	223	4757	4857	-968	15404	0	15404	2486	17890	49.90
18	5782	314	288	6384	144	4755	0	42	4444	4532	-952	14906	0	14906	2477	17383	49.87
19	5753	522	293	6568	138	4892	0	0	4420	4511	-1011	15099	0	15099	2555	17654	49.91
20	5707	184	296	6188	92	4924	0	0	4389	4676	-939	14940	0	14940	2483	17423	49.98
21	5635	112	297	6044	90	4730	0	0	3748	3710	-850	13724	0	13724	2309	16033	49.95
22	5320	148	309	5776	116	4583	0	0	3227	3538	-833	13181	0	13181	2129	15310	50.01
23	5290	258	301	5848	100	4559	0	0	2703	3010	-772	12746	0	12746	1952	14698	50.00
24	5299	114	306	5718	124	4403	0	0	2954	2945	-627	12563	0	12563	1778	14341	50.04
MUs	133.55	6.40	7.23	147.18	5.41	117.67	0.00	5.88	104.41	104.77	-17.60	363.31	0.00	363.31	50.08	413.39	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 21/Dec/2018

Position as on 6.30 Hrs of 22/Dec/2018

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	Nasik Unit 5	210	22/11/2018	03.50		Continued.	Boiler Tube Leakage work completed on 24/11/2018. Available against case 4 from 25/11/2018. Converted to COH from 00:00 Hrs of 05/12/2018 (for 40 Days)	
FORCED OUTAGE								
TPC-G	Trombay 6	500	15/07/2015	17:08		Continued.	Economic shutdown	
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	
MSPGCL	Uran Unit 7	108	20/07/2018	12.53		Continued.	Compressor & Turbine Blade Failure.	
IPP	IEPL Unit 1	270	28/08/2018	21.26		Continued.	Poor Coal Receipt	
MSPGCL	Uran Unit 8	108	08/09/2018	22.08		Continued.	Withdrawn due to B0 & U-7	
MSPGCL	Paras Unit 3	250	15/09/2018	00.55		Continued.	Stator Earth Fault	
IPP	RPL(AMT) U-4	270	20/09/2018	00.01		Continued.	Zero Schedule.	
IPP	RPL(AMT) U-5	270	21/09/2018	00.05		Continued.	Poor Coal Receipt	
MSPGCL	Koyana Unit 4	70	03/11/2018	09.02		Continued.	Stator Earth Fault	
MSPGCL	Koyana Unit 1	70	26/11/2018	00.00		Continued.	Oil Cooler Leakage.	
IPP	SWPGL U-2	135	27/11/2018	00.00		Continued.	No Schedule.	
IPP	JSW (J) U4	300	07/12/2018	01.15		Continued.	No Schedule.	
MSPGCL	Parli Unit 6	250	12/12/2018	00.00		Continued.	ZERO SCHEDULE.	
MSPGCL	Parli Unit 7	250	12/12/2018	00.00		Continued.	ZERO SCHEDULE.	
MSPGCL	Bhusawal Unit 3	210	14/12/2018	03.00		Continued.	Zero Schedule.	
IPP	RPL(AMT) U-1	270	14/12/2018	16.00		Continued.	Zero Schedule.	
IPP	RPL(AMT) U-3	270	14/12/2018	16.30		Continued.	Zero Schedule.	
CPP	SWPGL U-4	135	15/12/2018	00.00		Continued.	No Schedule	
MSPGCL	Bhusawal Unit 4	500	15/12/2018	21.35	21/12/2018	08.14	Boiler Tube Leakage	
MSPGCL	Koradi Unit 7	210	18/12/2018	08:24		Continued.	Boiler Tube Leakage	
MSPGCL	Koradi Unit 9	660	19/12/2018	21.05		Continued.	Due to PCR,CHP & CW Line blockage work	
MSPGCL	Uran Unit 5	108	22/12/2018	00.03	22/12/2018	19.09	Air Filter Replacement	
MSPGCL	Koradi Unit 6	210	22/12/2018	01.18		Continued.	Bearing Temperature high	
RINFRA-G	REL Unit 2	250	22/12/2018	11.23	22/12/2018	17.58	Steam leakage at boiler side.	
MSPGCL	Chandrapur Unit 6	500	22/12/2018	20.05		Continued.	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Dec/2018

Statement-VII

Position as on 6.30 Hrs of 22/Dec/2018

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV LINE Outages/Trippings							
Chandrapur - Padghe Hvdc Pole 2	IntraState	21/12/2018	19.34	22/12/2018	01.55	T	Tripped due to Tripping of Base Filter
Chandrapur - Padghe Hvdc Pole 1	IntraState	21/12/2018	19.34	22/12/2018	06.51	T	Tripped due to Tripping of Base Filter
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	17/12/2018	17.35		Continued.	HT	Over Voltage
Padghe - Nagothane - II	IntraState	17/12/2018	11.17	21/12/2018	11.06	PO	Tan Delta Testing & CB Problem.
Karad - Talandge Ckt 2	IntraState	19/12/2018	11.56	21/12/2018	09.30	PO	Attending Hot Spot At Karad End And Replacement Of Line Insulator String.
Khadka-Aurangabad (Waluj)	IntraState	20/12/2018	17.21	21/12/2018	07.56	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	20/12/2018	21.56	21/12/2018	07.57	HT	Over Voltage
Deepnagar Taptitanda	IntraState	21/12/2018	10.21	21/12/2018	14.08	PO	Repl.of Dead end and Mid Span joint and faulty Insulator String
Jaigad-Karad Ckt-II	IntraState	21/12/2018	10.34	22/12/2018	08.45	PO	Replacement of Faulty CVT.
koaradi II - Wardha(PG)	IntraState	21/12/2018	10.59	21/12/2018	18.26	PO	Tightening of Nut Bolts
Khadka-Aurangabad (Waluj)	IntraState	21/12/2018	17.51	22/12/2018	11.39	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	21/12/2018	23.44	22/12/2018	08.29	HT	Over Voltage
Dhule- Bableshtar - I	IntraState	22/12/2018	11.33	22/12/2018	21.32	PO	OPGW Work.
Khadka-Aurangabad (Waluj)	IntraState	22/12/2018	18.12		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	22/12/2018	19.16		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	22/12/2018	23.55		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.
400/220/33kv 500MVA ICT 5 @ Padghe	IntraState	25/11/2018	00.54		Continued.	T	NDR ALARM CHANGED ON HUMMING AT (30-12-2018 AT 18.21.)
400/220/33 Kv 315 Mva Ict- 2 @Kharghar	IntraState	21/12/2018	08.53	21/12/2018	20.43	PO	Routine Maintenance And Diagnostic Testing Work.
220 KV LINE Outages/Trippings							
Talandage - Chikodi	InterState	01/06/2017	00.01		Continued.	PO	No Schedule
Mudshingi - Chikodi	InterState	01/06/2017	00.06		Continued.	PO	No Schedule.
Chandrapur GCR - Warora - I	IntraState	05/04/2015	09.13		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumper at Loc no 86 & 107 and de-energising the line bet.86 to 107.
Chandrapur GCR - Wani	IntraState	05/04/2015	09.15		Continued.	PO	For Bunching Of Conductor at Loc No.86 Disconnecting Of jumper at Loc No.86 to 107 And Deenergising The Line Between Loc No.86 To 107.
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To control line loading.
Kalwa-TIFIL	IntraState	27/11/2018	06.06		Continued.	EO	Tapping Of Tifil Substation On 220KV Kharghar-Borivali Line
Kalwa - Siemens	IntraState	27/11/2018	13.13		Continued.	HT	To Shift Load On Kharghar ICT
Padgha-Temghar-II	IntraState	03/12/2018	08.15		Continued.	EO	To control load on Padgha ICTs.
Padgha - Temghar I	IntraState	03/12/2018	08.15		Continued.	EO	To control load on Padgha ICTs.
Taloja li - OCIL-II	IntraState	18/12/2018	12.43		Continued.	PO	REPLACEMENT OF METERING CTs & PTs AT OCIL END.
TPC Borivali Aarey Line 1	IntraState	20/12/2018	23.42	21/12/2018	06.41	PO	For U Girder Erection Work Metro -7.
Deepnagar Bambhori	IntraState	21/12/2018	06.32	21/12/2018	21.37	PO	Jumper Tightening work

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

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Dec/2018

Statement-VII

Position as on 6.30 Hrs of 22/Dec/2018

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Padghe - Jambhul 1	IntraState	21/12/2018	09.15	21/12/2018	18.02	PO	Maintenance Work And Bus Outage At Jambhul End, RM Work At Padgha End.
Bhandara-Bhandara Rly Tss 2	IntraState	21/12/2018	09.32	21/12/2018	17.32	PO	Testing Work
Dhule - Malegaon	IntraState	21/12/2018	09.32	21/12/2018	17.32	PO	Conversion of Suspension to cut point Tower of Newly added additional Tower in between Loc.No.177&178 for minimizing
Pophali - Kdph	IntraState	21/12/2018	10.10	21/12/2018	18.20	PO	Washing Of Insulators.
Kharepatan -Pawas Line	IntraState	21/12/2018	10.39	21/12/2018	18.36	PO	Insulator Washing.
Bhugaon - Lloyed Steel	IntraState	21/12/2018	10.59	21/12/2018	18.26	PO	Tan Delta Measurment of CTs
Khaparkheda-Kanhan	IntraState	21/12/2018	11.16	21/12/2018	18.50	PO	Routine Maintenance Work
ALEPHATA UTECH SUGAR	IntraState	21/12/2018	22.35	22/12/2018	00.50	T	Distance Protection
Nashik-Airoli Knowledge Park	IntraState	22/12/2018	06.27		Continued.	PO	Stringing Work of Conductor & OPGW Work.
Ghatghar - Bapgaon	IntraState	22/12/2018	06.55		Continued.	PO	Stringing Work. of Conductor & opgw Work
Pedhambe - Oni	IntraState	22/12/2018	09.05	22/12/2018	18.40	PO	Line Insulator Washing.
Urse - Talegaon (Ambi) Ckt 1	IntraState	22/12/2018	10.30	22/12/2018	18.20	PO	Double Jumpering Work.
Khaparkheda-Ambazari-I	IntraState	22/12/2018	10.40	22/12/2018	17.17	PO	Scada Integration And RM Work.
220 KV ICT Outages/Trippings							
220/132 KV 100 MVA ICT - II @ Ghatodi	IntraState	17/12/2018	10.18		Continued.	PO	Routine Maintenance Work Of ict Quarterly Maintenance Work of ict Tan Delta Measurement of CTs
220/22kV 100MVA T/F-II @ Nalasopara	IntraState	20/12/2018	21.20		Continued.	T	Differential and Buccholz.
220/100 Kv 100 Mva Vijai Ict 1 @Jambhul	IntraState	21/12/2018	09.00	21/12/2018	17.42	PO	Maintenance Work And Bus Outage At Jambhul End.
220/100 Kv 200 Mva Bhel Ict 1 @Kalwa	IntraState	21/12/2018	09.23	21/12/2018	19.23	PO	Diagnostic Testing & Maintenance Work.
220/132 kV 200 MVA ICT- I @ Nanded	IntraState	22/12/2018	10.31	22/12/2018	12.58	PO	Attending Oil Leakage From Neutral Bushing Stud.

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