

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 23/Dec/2018 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	124.294	3114.321	1) Gujrat	1.138	31.622
2) Hydro	5.682	121.685	2) Madhya Pradesh	6.793	201.903
3) Gas	7.189	159.558	3) Chattisgarh	5.020	135.140
Total MSPGCL	137.165	3395.564	4) Maharashtra Net	95.174	2119.286
B) 1) APML	70.885	1580.214	5) Goa (Amona)	-0.198	-7.744
2) JSWEL	18.593	414.507	Total	107.927	2480.207
3) VIPL	10.396	214.045	a) Mumbai Schedule	17.716	414.332
4) RPL(AMT)	5.112	227.752	b) Mumbai Drawl	18.821	497.833
5) WPCL	0.000	27.408	c) MSEDCL Bilateral *	18.609	449.944
6) PGPL	0.000	0.000	Include PX	-6.390	-134.606
7) Other IPP	15.191	349.737	d) Mumbai Bilateral *	17.716	412.507
C) 1) TPCL Thermal	12.794	295.015	Include PX	-0.420	25.568
2) TPCL Hydro	0.571	79.637	Include Standby	0.000	1.825
3) TPCL Gas	3.818	97.766	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	5.971	199.923	1) MSEDCL	358.505	8529.819
D) STATE			2) Mumbai Discoms	41.977	1170.165
1) Thermal	263.236	6422.922	TOTAL STATE	400.482	9699.984
(A1+C1+C4+(B1-B6))					
2) Hydro	6.253	201.322			
(A2+C2)					
3) Gas	11.007	257.324			
(A3+B6+C3)					
4) Wind	6.808	220.632			
6) SOLAR	5.249	117.586			
TOTAL STATE	292.553	7219.786			

* 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 24 Hrs
MSPGCL Thermal	5600	5764	5135	4757
MSPGCL Hydro	758	510	178	94
MSPGCL Gas	294	285	293	301
MSPGCL Total Generation	6652	6560	5606	5152
Central Sector Receipt	5909	5121	4932	3296
WIND	284	254	158	225
CPP / IPP Thermal	5482	5399	5236	4363
CPP / IPP Gas	0	0	0	0
SOLAR	710	786	0	0
Exchange with Mumbai	-896	-845	-1065	-858
MSEDCL DEMAND MET	18142	17274	14868	12178
Load Shedding	0	0	0	0
MSEDCL DEMAND	18142	17274	14868	12178
TPCL GENERATION	815	876	737	656
R-INFRA GENERATION	251	252	197	196
MUMBAI DEMAND	1962	1973	1999	1710
STATE DEMAND MET	20104	19248	16866	13888
STATE DEMAND	20104	19248	16866	13888
Frequency (Hz)	49.95	49.97	49.97	50.04

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.06 Hz at 15.00 Hrs	49.89 Hz at 08.00 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 23/Dec/2018

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	20.06	0	0
Unit 7	1.75	15.74	145	0
Unit 8	7.46	169.85	353	274
Unit 9	0.00	99.88	0	0
Unit 10	7.69	167.26	350	300
Total	16.91	472.80		
Bhusawal				
Unit 3	0.00	10.78	0	0
Unit 4	9.88	167.93	500	345
Unit 5	9.94	221.80	500	350
Total	19.82	400.52		
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	4.80	112.15	222	192
Total	4.80	160.77		
Chandrapur				
Unit 3	4.00	96.84	185	144
Unit 4	4.20	96.27	186	160
Unit 5	9.30	212.65	410	350
Unit 6	0.00	209.24	0	0
Unit 7	8.96	206.72	410	320
Unit 8	10.15	230.73	465	370
Unit 9	9.72	230.29	455	340
Total	46.32	1282.74		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.52	121.79	255	193
Total	5.52	121.79		
Khaparkheda				
Unit 1	4.16	21.10	195	155
Unit 2	4.02	91.19	190	160
Unit 3	4.21	91.79	204	159
Unit 4	4.06	88.79	200	130
Unit 5	7.49	207.14	340	300
Total	23.94	500.00		
Nasik				
Unit 3	4.13	88.92	194	161
Unit 4	2.86	86.79	198	0
Unit 5	0.00	0.00	0	0
Total	6.98	175.71		
Uran				
All Units	7.19	159.56	316	273
Total	7.19	159.56		
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	1.71	17	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.04	1.71		
Koyna				
Stage 1-2	1.56	34.58	245	40
Stage 4	0.42	8.53	207	0
Stage 3	0.35	9.66	80	0
Total	2.33	52.76		
Hydro				
KDPH	0.44	11.08	19	19
VTRNA	0.56	7.22	60	0
TILLARI	0.36	5.70	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.13	4.03	80	0
RNGR+BHTSA	0.31	7.60	13	12
BHANDARDRA	0.00	0.01	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.57	11.09	32	21
GHATGHAR	0.98	22.19	125	0
Total	3.36	68.92		
Wind				
Total	6.81	220.63	0	0
Total	6.81	220.63		
CPP				
APML(Mus)	70.88	1580.21	0	0
JSWEL(Mus)	18.59	414.51	0	0
VIPL(Mus)	10.40	214.04	0	0
RPLAMT(Mus)	5.11	227.75	0	0
WPCL(Mus)	0.00	27.41	0	0
Other(Mus)	15.19	349.74	0	0
Total	120.18	2813.66		
SOLAR				
Total	5.25	117.59	0	0
Total	5.25	117.59		
Tata				
Trombay 5	7.85	180.58	476	303
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.55	61.82	117	82
Trombay 7B	1.27	35.95	69	36
Trombay 8	4.94	114.44	225	202
TATA Hydro	0.57	79.64	94	16
Total	17.18	472.42		
R-INFRA				
DTPS U-1&2	5.97	199.92	378	195
Total	5.97	199.92		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	124.29	3114.32	MSPGCL Total	137.16	3395.56
			MSPGCL Thml+Gas	131.48	3273.88	Koyna 1,2 & 4 Total	1.97	43.10
			MSPGCL Hydro	5.68	121.68	State Total	292.55	7219.79

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 23/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	4744	92	313	5148	173	4620	0	0	2822	2987	-549	12380	0	12380	1615	13994	49.97
2	4723	92	304	5120	220	4621	0	0	3199	3181	-464	12678	0	12678	1500	14178	50.00
3	4679	92	315	5086	332	4625	0	0	3461	3450	-405	13088	0	13088	1420	14508	49.98
4	4701	92	315	5108	504	4558	0	0	3730	3408	-374	13204	0	13204	1377	14582	50.02
5	4723	98	306	5126	526	4469	0	0	3816	4044	-379	13786	0	13786	1383	15170	50.02
6	4980	98	314	5392	511	4579	0	0	4451	4562	-499	14544	0	14544	1464	16008	49.99
7	5451	98	316	5864	506	5099	0	5	5300	4578	-697	15356	0	15356	1524	16880	50.01
8	5459	184	314	5956	486	5321	0	68	5085	5224	-683	16372	0	16372	1576	17948	49.89
9	5522	414	304	6240	374	5499	0	289	5027	5344	-729	17016	0	17016	1707	18724	49.95
10	5578	484	309	6370	294	5530	0	549	5308	5427	-843	17328	0	17328	1845	19172	49.96
11	5600	758	294	6652	284	5482	0	710	5620	5909	-896	18142	0	18142	1962	20104	49.95
12	5678	696	288	6662	292	5397	0	819	5671	5542	-889	17822	0	17822	2003	19826	49.95
13	5764	510	285	6560	254	5399	0	786	5425	5121	-845	17274	0	17274	1973	19248	49.97
14	5684	354	274	6312	201	5318	0	758	5192	5304	-907	16986	0	16986	1885	18870	50.02
15	5485	298	284	6066	183	5198	0	594	5083	5250	-946	16346	0	16346	1836	18182	50.05
16	5178	288	273	5738	157	5141	0	444	5088	5173	-907	15746	0	15746	1799	17546	49.98
17	5485	224	286	5994	115	5228	0	194	4829	4743	-884	15390	0	15390	1790	17180	49.95
18	5388	116	290	5794	102	5237	0	33	4719	4625	-928	14864	0	14864	1834	16698	49.96
19	5135	178	293	5606	158	5236	0	0	4865	4932	-1065	14868	0	14868	1999	16866	49.97
20	5094	134	305	5534	247	5214	0	0	4762	4542	-1073	14464	0	14464	2027	16490	50.02
21	4936	98	297	5332	234	4828	0	0	4240	4316	-1064	13646	0	13646	2022	15668	50.01
22	4818	98	299	5216	219	4644	0	0	4021	3676	-1010	12745	0	12745	1918	14663	50.05
23	4732	94	310	5136	211	4571	0	0	3312	3293	-927	12284	0	12284	1806	14090	50.02
24	4757	94	301	5152	225	4363	0	0	3129	3296	-858	12178	0	12178	1710	13888	50.04
MUs	124.29	5.68	7.19	137.17	6.81	120.18	0.00	5.25	108.15	107.93	-18.82	358.51	0.00	358.51	41.98	400.48	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 23/Dec/2018

Position as on 6.30 Hrs of 24/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)	
RINFRA-G	REL Unit 1	250	23/12/2018	06.06		Continued.	For COH.	
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	24/12/2018	04.48	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	Koradi Unit 7	210	18/12/2018	08:24	23/12/2018	08.57	Boiler Tube Leakage	
MSPGCL	Koradi Unit 9	660	19/12/2018	21.05		Continued.	Due to PCR,CHP & CW Line blockage work	
MSPGCL	Koradi Unit 6	210	22/12/2018	01.18		Continued.	Bearing Temperature high	
MSPGCL	Chandrapur Unit 6	500	22/12/2018	20.05		Continued.	Boiler Tube Leakage	
MSPGCL	Nasik Unit 4	210	23/12/2018	17.35		Continued.	ID Fan Problem	
RINFRA-G	REL Unit 2	250	24/12/2018	17.48		Continued.	Boiler Tube Leakage	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Dec/2018

Statement-VII

Position as on 6.30 Hrs of 24/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 1	IntraState	23/12/2018	20.39	24/12/2018	05.55	T	Over Voltage
Chandrapur - Padghe Hvdc Pole 2	IntraState	24/12/2018	01.24	24/12/2018	15.20	T	AC Conductor Ground Fault.
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	24/12/2018	11.20	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	24/12/2018	18.09		Continued.	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	22/12/2018	18.12	23/12/2018	09.42	HT	Over Voltage
Karad-Jaigad - I	IntraState	22/12/2018	19.16	23/12/2018	08.58	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	22/12/2018	23.55	23/12/2018	07.44	HT	Over Voltage
Dhule- Bableshwar - I	IntraState	23/12/2018	08.03	24/12/2018	18.30	PO	OPGW Installation Work.(RFC-20.30)
Khadka-Aurangabad (Waluj)	IntraState	23/12/2018	17.50	24/12/2018	09.47	HT	Over Voltage
Jaigad-Karad Ckt-II	IntraState	23/12/2018	20.16	24/12/2018	09.38	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	23/12/2018	21.41	24/12/2018	07.39	HT	Over Voltage
Dhule- Bableshwar - I	IntraState	24/12/2018	10.11		Continued.	PO	Routine Maintenance Work
Khadka-Aurangabad (Waluj)	IntraState	24/12/2018	17.53		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	24/12/2018	21.07		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	24/12/2018	21.34		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.)
400/220kv 315MVA ICT-I@Parly	IntraState	24/12/2018	15.40		Continued.	PO	Replacement Of B-PH Unit By Re paired One.
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.
Badnera - Deoli (PG)	InterState	24/12/2018	10.44	24/12/2018	18.00	PO	Tower Erection work.
Nasik Navsari I	InterState	24/12/2018	17.51		Continued.	T	Distance Protection
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.
Nashik-Airoli Knowledge Park	IntraState	22/12/2018	06.27	24/12/2018	20.18	PO	Stringing Work of Conductor & OPGW Work.
Ghatghar - Bapgaon	IntraState	22/12/2018	06.55	24/12/2018	01.20	PO	Stringing Work. of Conductor & opgw 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 23/Dec/2018

Statement-VII

Position as on 6.30 Hrs of 24/Dec/2018

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Roma-Bhavegar	IntraState	23/12/2018	06.30	23/12/2018	15.20	T	Recapping insulator Sting YPH Loc No.90
Trombay MSETCL Tie 1	IntraState	23/12/2018	08.55	23/12/2018	13.10	PO	For Silicon Coating.
Padghe - Nalasopara	IntraState	23/12/2018	12.32	23/12/2018	15.36	HT	Safety Point Attending Work On Crossing Roma Bhaveggar.
Trombay MSETCL Tie 2	IntraState	23/12/2018	17.52	23/12/2018	18.13	PO	For Silicon Coating.
Kharghar-Panvel TSS	IntraState	23/12/2018	22.34	23/12/2018	22.54	T	Distance Protection
Ranjangaon-Fiat 1	IntraState	24/12/2018	06.45	24/12/2018	17.15	PO	Annual Maintenance Work
Ranjangaon-Fiat 2	IntraState	24/12/2018	06.45	24/12/2018	17.15	PO	Annual Maintenance Work
Pedhambe - Oni	IntraState	24/12/2018	09.05	24/12/2018	18.15	PO	Cleaning Of Insulator String.
TALANDGE TILWANI CKT-II	IntraState	24/12/2018	10.05	24/12/2018	17.18	PO	Bay Maintenance Work.
Phophali Stg I Bus section II	IntraState	24/12/2018	12.10	24/12/2018	20.05	PO	To Attend Broken Conductor.
Trombay - Kalwa	IntraState	24/12/2018	14.50		Continued.	PO	For Replacement Of Rusted Tower.
Trombay - Mulund	IntraState	24/12/2018	15.14		Continued.	PO	For Replacement Of Rusted Tower.
220 KV ICT Outages/Trippings							
220/132 KV 100 MVA ICT - II @ Ghatodi	IntraState	17/12/2018	10.18	23/12/2018	08.20	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.
220/132 Kv 200 Mva Cgl Ict 1 @Eklahre (Ocr)	IntraState	24/12/2018	09.45	24/12/2018	10.34	PO	REPLACEMENT OF ISOLATOR.
132 KV LINE Outages/Trippings							
Bambhori(220) Dharangaon	IntraState	23/12/2018	18.32	24/12/2018	17.40	T	Tripped Due To Busting And Fire of R-PH Bus PT. Bambhori Dist prot Z2.R-Y 2.8KA,2.65KA.
Dharangaon -Amalner	IntraState	23/12/2018	18.32	23/12/2018	19.25	T	Tripped Due To Busting And Fire of R-PH Bus PT.

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