

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 22/Dec/2018 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	132.163	2990.027	1) Gujrat	0.951	30.484
2) Hydro	8.586	116.003	2) Madhya Pradesh	7.040	195.110
3) Gas	4.249	152.369	3) Chattisgarh	4.980	130.120
Total MSPGCL	144.998	3258.399	4) Maharashtra Net	92.250	2024.112
B) 1) APML	71.861	1509.329	5) Goa (Amona)	-0.418	-7.546
2) JSWEL	19.084	395.914	Total	104.803	2372.280
3) VIPL	11.053	203.649	a) Mumbai Schedule	15.236	396.616
4) RPL(AMT)	5.605	222.640	b) Mumbai Drawl	18.162	479.012
5) WPCL	0.000	27.408	c) MSEDCL Bilateral *	16.048	431.336
6) PGPL	0.000	0.000	Include PX	-8.616	-128.216
7) Other IPP	15.288	334.546	d) Mumbai Bilateral *	15.236	394.790
C) 1) TPCL Thermal	13.628	282.221	Include PX	-3.440	25.988
2) TPCL Hydro	2.840	79.066	Include Standby	0.000	1.825
3) TPCL Gas	4.313	93.948	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	8.476	193.952	1) MSEDCL	365.046	8171.314
D) STATE			2) Mumbai Discoms	47.418	1128.188
1) Thermal	277.158	6159.686	TOTAL STATE	412.464	9299.502
(A1+C1+C4+(B1-B6))					
2) Hydro	11.426	195.069			
(A2+C2)					
3) Gas	8.562	246.317			
(A3+B6+C3)					
4) Wind	5.036	213.824			
6) SOLAR	5.480	112.337			
TOTAL STATE	307.662	6927.233			

* 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 1 Hrs
MSPGCL Thermal	5944	5928	5905	5264
MSPGCL Hydro	1070	874	200	94
MSPGCL Gas	150	138	152	158
MSPGCL Total Generation	7164	6940	6256	5516
Central Sector Receipt	5413	5534	4552	2902
WIND	249	216	111	148
CPP / IPP Thermal	5390	5350	5567	4265
CPP / IPP Gas	0	0	0	0
SOLAR	825	822	0	0
Exchange with Mumbai	-1095	-1119	-1092	-548
MSEDCL DEMAND MET	17946	17743	15395	12283
Load Shedding	0	0	0	0
MSEDCL DEMAND	17946	17743	15395	12283
TPCL GENERATION	1015	1019	1018	694
R-INFRA GENERATION	320	250	263	377
MUMBAI DEMAND	2430	2388	2373	1619
STATE DEMAND MET	20376	20131	17768	13902
STATE DEMAND	20376	20131	17768	13902
Frequency (Hz)	49.97	50.01	49.93	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.22 Hz at 13.03 Hrs	49.8 Hz at 17.54 Hrs	49.97	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/2018

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.20	20.06	148	0
Unit 7	0.00	13.99	0	0
Unit 8	6.45	162.38	332	176
Unit 9	0.00	99.88	0	0
Unit 10	6.64	159.57	301	237
Total	13.29	455.88		
Bhusawal				
Unit 3	0.00	10.78	0	0
Unit 4	10.22	158.05	500	350
Unit 5	10.18	211.86	500	350
Total	20.41	380.70		
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	4.87	107.36	225	180
Total	4.87	155.97		
Chandrapur				
Unit 3	4.01	92.84	185	151
Unit 4	4.02	92.07	185	150
Unit 5	9.37	203.35	410	365
Unit 6	7.82	209.24	415	0
Unit 7	8.70	197.76	401	329
Unit 8	10.39	220.58	470	370
Unit 9	10.24	220.58	470	365
Total	54.55	1236.42		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.51	116.28	255	190
Total	5.51	116.28		
Khaparkheda				
Unit 1	4.32	16.94	205	160
Unit 2	4.19	87.16	195	155
Unit 3	4.34	87.58	200	160
Unit 4	4.36	84.73	210	160
Unit 5	7.64	199.64	350	300
Total	24.85	476.06		
Nasik				
Unit 3	4.29	84.79	195	161
Unit 4	4.39	83.94	201	165
Unit 5	0.00	0.00	0	0
Total	8.68	168.73		
Uran				
All Units	4.25	152.37	312	138
Total	4.25	152.37		
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)	0.05	1.67	25	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.05	1.67		
Koyna				
Stage 1-2	1.39	33.02	175	40
Stage 4	1.74	8.11	500	0
Stage 3	0.86	9.30	160	0
Total	3.99	50.43		
Hydro				
KDPH	0.44	10.64	19	19
VTRNA	0.48	6.65	61	0
TILLARI	0.48	5.34	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.18	3.91	80	0
RNGR+BHTSA	0.31	7.29	13	13
BHANDARDRA	0.00	0.01	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.60	10.52	33	22
GHATGHAR	2.10	21.21	250	0
Total	4.60	65.57		
Wind				
Total	5.04	213.82	0	0
Total	5.04	213.82		
CPP				
APML(Mus)	71.86	1509.33	0	0
JSWEL(Mus)	19.08	395.91	0	0
VIPL(Mus)	11.05	203.65	0	0
RPLAMT(Mus)	5.60	222.64	0	0
WPCL(Mus)	0.00	27.41	0	0
Other(Mus)	15.29	334.55	0	0
Total	122.89	2693.49		
SOLAR				
Total	5.48	112.34	0	0
Total	5.48	112.34		
Tata				
Trombay 5	8.55	172.73	467	307
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.78	59.27	117	114
Trombay 7B	1.53	34.68	69	35
Trombay 8	5.08	109.49	236	202
TATA Hydro	2.84	79.07	294	0
Total	20.78	455.24		
R-INFRA				
DTPS U-1&2	8.48	193.95	502	200
Total	8.48	193.95		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	132.16	2990.03	MSPGCL Total	145.00	3258.40
			MSPGCL Thml+Gas	136.41	3142.40	Koyna 1,2 & 4 Total	3.14	41.13
			MSPGCL Hydro	8.59	116.00	State Total	307.66	6927.23

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 22/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	5264	94	158	5516	148	4265	0	0	2746	2902	-548	12283	0	12283	1619	13902	50.01
2	5166	94	158	5418	204	4355	0	1	3011	3242	-416	12804	0	12804	1490	14294	49.96
3	5090	104	169	5364	289	4513	0	0	3429	3310	-341	13134	0	13134	1412	14546	49.96
4	5089	94	160	5344	252	4636	0	0	3503	3354	-293	13292	0	13292	1366	14658	50.00
5	5087	94	159	5340	309	4643	0	0	3993	3885	-305	13873	0	13873	1378	15251	50.02
6	5174	94	160	5428	378	4635	0	0	4415	4592	-413	14621	0	14621	1485	16106	49.99
7	5515	202	170	5888	333	5045	0	7	4827	4855	-519	15608	0	15608	1599	17207	49.96
8	5631	706	161	6498	316	5515	0	84	4771	4915	-389	16939	0	16939	1727	18666	49.94
9	5882	824	158	6864	274	5565	0	336	4830	4724	-538	17225	0	17225	1954	19179	50.00
10	5957	704	156	6818	253	5536	0	570	5007	5507	-611	18073	0	18073	2198	20271	49.99
11	5952	956	163	7070	238	5441	0	750	5287	5242	-796	17945	0	17945	2378	20323	49.98
12	5944	1070	150	7164	249	5390	0	825	5364	5413	-1095	17946	0	17946	2430	20376	49.97
13	5928	874	138	6940	216	5350	0	822	5275	5534	-1119	17743	0	17743	2388	20131	50.01
14	5849	508	147	6504	138	5358	0	743	5286	5141	-1033	16851	0	16851	2243	19094	50.03
15	5768	464	146	6378	162	5415	0	631	5265	5132	-1044	16675	0	16675	2255	18930	49.93
16	5795	410	146	6350	138	5436	0	460	5172	5151	-1115	16420	0	16420	2256	18676	49.93
17	5784	330	147	6262	163	5463	0	219	4950	4876	-1153	15830	0	15830	2237	18067	49.92
18	5831	234	150	6216	127	5525	0	32	4756	4688	-1106	15482	0	15482	2241	17723	49.91
19	5905	200	152	6256	111	5567	0	0	4583	4552	-1092	15395	0	15395	2373	17768	49.93
20	5718	152	174	6044	123	5409	0	0	4295	4234	-986	14823	0	14823	2344	17167	49.94
21	5144	94	224	5462	134	5259	0	0	3681	4021	-888	13989	0	13989	2251	16240	49.99
22	5099	94	289	5482	135	5127	0	0	3532	3313	-911	13145	0	13145	2097	15242	50.03
23	4828	94	312	5234	169	4810	0	0	3339	3221	-806	12628	0	12628	1934	14562	49.98
24	4763	94	302	5158	177	4632	0	0	2862	2999	-645	12322	0	12322	1764	14086	50.00
MUs	132.16	8.59	4.25	145.00	5.04	122.89	0.00	5.48	104.18	104.80	-18.16	365.05	0.00	365.05	47.42	412.46	49.97

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/2018

Position as on 6.30 Hrs of 23/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		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	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	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) Statement-VI
Details of Generating Unit Outages/Trippings for 22/Dec/2018

Position as on 6.30 Hrs of 23/Dec/2018

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Nasik Unit 4	210	23/12/2018	17.35		Continued.	ID Fan Problem	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Dec/2018

Statement-VII

Position as on 6.30 Hrs of 23/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	21/12/2018	19.34	22/12/2018	06.51	T	Tripped due to Tripping of Base Filter
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	23/12/2018	20.39		Continued.	T	Over Voltage
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
Jaigad-Karad Ckt-II	IntraState	21/12/2018	10.34	22/12/2018	08.45	PO	Replacement of Faulty CVT.
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- Bableshwar - I	IntraState	22/12/2018	11.33	22/12/2018	21.32	PO	OPGW Work.
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		Continued.	PO	OPGW Installation Work.(RFC-20.30)
Khadka-Aurangabad (Waluj)	IntraState	23/12/2018	17.50		Continued.	HT	Over Voltage
Jaigad-Karad Ckt-II	IntraState	23/12/2018	20.16		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	23/12/2018	21.41		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.)
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 I	IntraState	03/12/2018	08.15		Continued.	EO	To control load on Padgha ICTs.
Padgha-Temghar-II	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.
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.

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 22/Dec/2018

Statement-VII

Position as on 6.30 Hrs of 23/Dec/2018

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Khaparkheda-Ambazari-I	IntraState	22/12/2018	10.40	22/12/2018	17.17	PO	Scada Integration And RM Work.
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 Attinding 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
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 ICT- I @ Nanded	IntraState	22/12/2018	10.31	22/12/2018	12.58	PO	Attending Oil Leakage From Neutral Bushing Stud.
132 KV LINE Outages/Trippings							
Bambhori(220) Dharangaon	IntraState	23/12/2018	18.32		Continued.	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