

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 27/Dec/2018 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	139.195	3637.825	1) Gujrat	0.156	38.755
2) Hydro	4.235	144.992	2) Madhya Pradesh	7.694	228.110
3) Gas	7.335	188.455	3) Chattisgarh	3.100	149.820
Total MSPGCL	150.765	3971.272	4) Maharashtra Net	86.613	2484.133
B) 1) APML	63.272	1851.260	5) Goa (Amona)	-0.242	-8.558
2) JSWEL	21.249	496.859	Total	97.321	2892.260
3) VIPL	9.414	254.182	a) Mumbai Schedule	22.696	501.174
4) RPL(AMT)	8.902	266.506	b) Mumbai Drawl	21.168	595.019
5) WPCL	0.000	27.408	c) MSEDCL Bilateral *	17.631	535.708
6) PGPL	0.000	0.000	Include PX	-6.718	-152.157
7) Other IPP	15.472	412.193	d) Mumbai Bilateral *	22.696	494.759
C) 1) TPCL Thermal	11.834	346.742	Include PX	0.559	32.666
2) TPCL Hydro	4.111	92.724	Include Standby	0.000	6.415
3) TPCL Gas	4.164	113.885	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	4.639	212.316	1) MSEDCL	361.965	9968.589
D) STATE			2) Mumbai Discoms	45.916	1360.677
1) Thermal	273.977	7505.291	TOTAL STATE	407.881	11329.266
(A1+C1+C4+(B1-B6))					
2) Hydro	8.346	237.716			
(A2+C2)					
3) Gas	11.499	302.340			
(A3+B6+C3)					
4) Wind	11.005	252.923			
6) SOLAR	5.733	138.745			
TOTAL STATE	310.560	8437.015			

* 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	6408	5627	5815	5735
MSPGCL Hydro	267	663	372	63
MSPGCL Gas	300	292	296	316
MSPGCL Total Generation	6975	6582	6483	6114
Central Sector Receipt	4979	5196	4479	1617
WIND	614	377	361	763
CPP / IPP Thermal	5755	5065	5084	4247
CPP / IPP Gas	0	0	0	0
SOLAR	767	850	0	0
Exchange with Mumbai	-1175	-1179	-1178	-715
MSEDCL DEMAND MET	17915	16891	15229	12026
Load Shedding	0	0	0	0
MSEDCL DEMAND	17915	16891	15229	12026
TPCL GENERATION	1040	974	967	692
R-INFRA GENERATION	193	193	192	192
MUMBAI DEMAND	2408	2346	2337	1599
STATE DEMAND MET	20323	19237	17566	13625
STATE DEMAND	20323	19237	17566	13625
Frequency (Hz)	50.01	49.92	50.00	50.04

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.18 Hz at 06.02 Hrs	49.83 Hz at 12.09 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 27/Dec/2018

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	20.06	0	0
Unit 7	3.15	29.39	154	105
Unit 8	9.00	205.38	424	284
Unit 9	0.82	100.70	233	0
Unit 10	9.33	202.86	421	280
Total	22.30	558.40		
Bhusawal				
Unit 3	0.00	10.78	0	0
Unit 4	9.09	207.08	500	350
Unit 5	9.08	260.97	500	350
Total	18.17	478.83		
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	4.71	130.87	212	182
Total	4.71	179.49		
Chandrapur				
Unit 3	4.07	113.46	190	141
Unit 4	4.01	112.58	175	160
Unit 5	8.99	249.61	400	354
Unit 6	9.66	224.42	440	365
Unit 7	9.48	244.37	440	356
Unit 8	9.95	271.19	480	360
Unit 9	10.04	270.69	480	365
Total	56.20	1486.31		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.04	143.04	251	200
Total	5.04	143.04		
Khaparkheda				
Unit 1	3.78	36.72	190	145
Unit 2	3.75	106.58	180	130
Unit 3	3.88	107.32	185	152
Unit 4	3.77	102.32	175	145
Unit 5	9.65	242.43	500	380
Total	24.83	595.37		
Nasik				
Unit 3	3.98	105.34	195	160
Unit 4	3.96	91.04	186	144
Unit 5	0.00	0.00	0	0
Total	7.94	196.38		
Uran				
All Units	7.34	188.46	320	279
Total	7.34	188.46		
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)	0.02	1.96	17	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.02	1.96		
Koyna				
Stage 1-2	1.30	40.92	235	40
Stage 4	0.00	12.50	0	0
Stage 3	0.41	11.95	138	0
Total	1.70	65.36		
Hydro				
KDPH	0.00	11.72	0	0
VTRNA	0.48	9.22	61	0
TILLARI	0.18	6.24	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.16	4.54	80	0
RNGR+BHTSA	0.24	8.74	14	0
BHANDARDRA	0.00	0.01	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.26	12.45	19	8
GHATGHAR	1.20	26.69	231	0
Total	2.53	79.63		
Wind				
Total	11.00	252.92	0	0
Total	11.00	252.92		
CPP				
APML(Mus)	63.27	1851.26	0	0
JSWEL(Mus)	21.25	496.86	0	0
VIPL(Mus)	9.41	254.18	0	0
RPLAMT(Mus)	8.90	266.51	0	0
WPCL(Mus)	0.00	27.41	0	0
Other(Mus)	15.47	412.19	0	0
Total	118.31	3308.41		
SOLAR				
Total	5.73	138.74	0	0
Total	5.73	138.74		
Tata				
Trombay 5	7.12	212.62	309	279
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.61	71.94	118	71
Trombay 7B	1.55	41.95	68	53
Trombay 8	4.71	134.12	225	125
TATA Hydro	4.11	92.72	360	0
Total	20.11	553.35		
R-INFRA				
DTPS U-1&2	4.64	212.32	195	191
Total	4.64	212.32		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	139.20	3637.82	MSPGCL Total	150.76	3971.27
			MSPGCL Thml+Gas	146.53	3826.28	Koyna 1,2 & 4 Total	1.30	53.41
			MSPGCL Hydro	4.24	144.99	State Total	310.56	8437.02

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 27/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	5413	58	315	5786	547	4451	0	0	2414	2594	-623	12755	0	12755	1487	14242	49.98
2	5400	48	316	5764	451	4440	0	0	2507	2765	-515	12905	0	12905	1368	14273	49.95
3	5421	54	307	5782	444	4446	0	0	3125	2955	-469	13158	0	13158	1293	14451	49.93
4	5399	54	318	5771	377	4459	0	0	3313	3116	-464	13259	0	13259	1265	14524	49.99
5	5329	49	320	5698	355	4462	0	0	4013	3776	-483	13808	0	13808	1284	15092	50.02
6	5395	74	319	5788	400	4505	0	0	4355	4534	-593	14634	0	14634	1397	16031	50.04
7	5833	51	319	6203	469	5004	0	3	4726	4820	-690	15809	0	15809	1526	17335	50.01
8	6336	68	307	6711	415	5744	0	69	4861	4900	-799	17040	0	17040	1711	18751	50.01
9	6395	75	319	6789	519	5900	0	301	4913	4809	-894	17424	0	17424	1988	19412	49.99
10	6362	208	314	6884	572	5820	0	564	4755	4830	-985	17685	0	17685	2252	19937	49.99
11	6408	267	300	6975	614	5755	0	767	5031	4979	-1175	17915	0	17915	2408	20323	50.01
12	6011	478	298	6787	456	5578	0	851	5122	4897	-1241	17328	0	17328	2409	19737	50.00
13	5627	663	292	6582	377	5065	0	850	5036	5196	-1179	16891	0	16891	2346	19237	49.92
14	5971	303	291	6565	326	5043	0	836	5016	4831	-1063	16538	0	16538	2206	18744	49.98
15	5975	193	288	6456	531	4988	0	709	5055	5161	-1062	16783	0	16783	2213	18996	49.98
16	5957	193	287	6437	247	4933	0	520	5061	5006	-1057	16086	0	16086	2225	18311	49.94
17	5842	188	279	6309	232	5035	0	229	4790	4746	-1087	15464	0	15464	2249	17713	49.95
18	5800	272	304	6376	310	5067	0	34	4550	4630	-1070	15347	0	15347	2264	17611	49.97
19	5815	372	296	6483	361	5084	0	0	4610	4479	-1178	15229	0	15229	2337	17566	50.00
20	5569	151	299	6019	410	5055	0	0	4619	4157	-1035	14606	0	14606	2281	16887	50.00
21	5699	123	312	6134	538	4632	0	0	3675	3474	-1019	13759	0	13759	2133	15892	49.97
22	5804	133	314	6251	571	4319	0	0	2858	2906	-935	13112	0	13112	1917	15029	50.01
23	5699	97	305	6101	720	4277	0	0	2403	2143	-837	12404	0	12404	1758	14162	50.00
24	5735	63	316	6114	763	4247	0	0	1873	1617	-715	12026	0	12026	1599	13625	50.04
MUs	139.20	4.24	7.33	150.77	11.00	118.31	0.00	5.73	98.68	97.32	-21.17	361.96	0.00	361.96	45.92	407.88	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 27/Dec/2018

Position as on 6.30 Hrs of 28/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.	
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.	
MSPGCL	Parli Unit 7	250	12/12/2018	00.00		Continued.	ZERO SCHEDULE.	
MSPGCL	Parli Unit 6	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 9	660	19/12/2018	21.05	27/12/2018	18.06	Due to PCR,CHP & CW Line blockage work	
MSPGCL	Koradi Unit 6	210	22/12/2018	01.18		Continued.	Bearing Temperature high	
IPP	RPL(AMT) U-2	270	27/12/2018	19.30		Continued.	Zero Schedule.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 27/Dec/2018

Statement-VII

Position as on 6.30 Hrs of 28/Dec/2018

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV ICT Outages/Trippings							
765/400kV 1500MVA ICT-I@Koradi-III	IntraState	27/12/2018	08.21	27/12/2018	19.01	PO	Routine Maintenance Work
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	24/12/2018	18.09		Continued.	HT	Over Voltage
Koradi Bhilai	InterState	26/12/2018	11.10	27/12/2018	08.17	PO	AMP Work(RFC at 20.00Hrs)
Koradi Satpur	InterState	27/12/2018	08.58	27/12/2018	20.08	PO	Routine Maintenance Work
Padgha Tarapur II	InterState	28/12/2018	04.48		Continued.	T	Y Phase CT Burst
Chandrapur-II - Nanded ckt I	IntraState	26/12/2018	10.44		Continued.	PO	Replacement of Polymer String Insulator(RFC 18.27Hrs)
Bhusawal-Aurangabad	IntraState	26/12/2018	17.35	27/12/2018	08.25	HT	Over Voltage
Karad-Jaigad - I	IntraState	26/12/2018	18.30		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	26/12/2018	22.48	27/12/2018	08.27	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	27/12/2018	17.52		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	27/12/2018	21.55		Continued.	HT	Over Voltage
400KV Main Bus-I @400KV Padgha	IntraState	28/12/2018	04.48	28/12/2018	05.15	T	Bus Bar Protection Operated
Padghe - Nagothane - I	IntraState	28/12/2018	04.48		Continued.	T	Bus Bar Prot.Operated at Padghe due to Y Phase CT Burst of Tarapur-II Line
Padghe - Kalwa-II	IntraState	28/12/2018	04.48	28/12/2018	05.51	T	Bus Bar Prot.Operated at Padghe due to Y Phase CT Burst of Tarapur-II Line
Padghe(HVDC)- Padghe(HVAC)-I	IntraState	28/12/2018	04.48	28/12/2018	06.07	T	Bus Bar Prot.Operated at Padghe due to Y Phase CT Burst of Tarapur-II Line
Babhaleshwar - Padghe-II	IntraState	28/12/2018	04.48	28/12/2018	05.31	T	Bus Bar Prot.Operated at Padghe due to Y Phase CT Burst of Tarapur-II Line
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	27/12/2018	18.54	T	Differential protection Bucholz, REF, PRV, CTR Relay R PH unit faulty.
400/220kV 315MVA ICT-I@Parly	IntraState	24/12/2018	15.40		Continued.	PO	Replacement Of B-PH Unit By Re paired One.
400/220 KV 500MVA ICT-IV @ Babhaleshwar	IntraState	27/12/2018	00.20	27/12/2018	06.03	EO	Chattering in CT switching relay of 500 MVA ICT
400/220 kV 500 MVA ICT III @ Jejuri	IntraState	27/12/2018	09.40	27/12/2018	11.57	PO	Attending Oil Leakage
400/220 Kv 500 Mva ICT- I @Jejuri	IntraState	27/12/2018	12.36	27/12/2018	21.50	PO	Routine Maintenance Work
400/220/33kV 500MVA ICT 5 @ Padghe	IntraState	27/12/2018	19.06		Continued.	HT	Due To NDR Alram.
400/220/33 Kv 315 Mva ICT 2 @Padghe	IntraState	28/12/2018	04.48	28/12/2018	06.21	T	Bus Bar Prot.Operated at Padghe due to Y Phase CT Burst of Tarapur-II Line
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.

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 27/Dec/2018

Statement-VII

Position as on 6.30 Hrs of 28/Dec/2018

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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.
Bhira Dharavi 7	IntraState	22/12/2018	09.00		Continued.	PO	Errection Of Tower At LOC.124
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.
Goregaon Aarey Line 2	IntraState	27/12/2018	06.14	27/12/2018	22.11	PO	Diversion Of Line.
Dahanu Versova	IntraState	27/12/2018	08.04	27/12/2018	14.41	PO	Routine Maintenance Work
Oni Kharepatan Line	IntraState	27/12/2018	09.22	27/12/2018	18.51	PO	Insulator Cleaning Work.
Loteparshuram- Dasturi Line	IntraState	27/12/2018	09.35	27/12/2018	18.10	PO	Routine Maintenance Work
Urse-Mahindra vehicle	IntraState	27/12/2018	10.00	27/12/2018	16.34	PO	Routine Maintenance Work
Wpcl-Warora 1	IntraState	27/12/2018	10.16		Continued.	PO	Routine Maintenance Work
Kanhan-Bhandara 2	IntraState	27/12/2018	10.26	27/12/2018	17.33	PO	Testing Work
220 KV ICT Outages/Trippings							
220/22kv 100MVA T/F-II @ Nalasopara	IntraState	20/12/2018	21.20	27/12/2018	10.05	T	Differential and Buccholz.
220/100 Kv 200 Mva ICT III @Kalwa	IntraState	27/12/2018	10.37	27/12/2018	13.55	PO	Attending Air Leakage Problem Of CB.

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