

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 19/Dec/2017 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	117.067	2227.108	1) Gujrat	-0.707	17.043
2) Hydro	6.903	103.201	2) Madhya Pradesh	9.340	249.644
3) Gas	10.232	185.816	3) Chattisgarh	6.350	133.250
Total MSPGCL	134.202	2516.125	4) Maharashtra Net	98.681	2151.889
B) 1) APML	53.158	904.377	5) Goa (Amona)	-0.880	-17.226
2) JSWEL	15.636	313.499	Total	112.784	2534.600
3) VIPL	11.003	220.936	a) Mumbai Schedule	16.314	400.229
4) RPL(AMT)	9.557	183.013	b) Mumbai Drawl	21.923	432.858
5) WPCL	4.067	78.275	c) MSEDCL Bilateral *	23.136	644.562
6) PGPL	0.000	0.000	Include PX	-2.149	80.779
7) Other IPP	11.755	225.455	d) Mumbai Bilateral *	16.314	400.229
C) 1) TPCL Thermal	12.325	185.992	Include PX	-0.206	21.261
2) TPCL Hydro	4.905	90.107	Include Standby	0.000	0.000
3) TPCL Gas	3.971	72.835	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	9.011	183.059	1) MSEDCL	354.834	6807.416
D) STATE			2) Mumbai Discoms	52.135	964.851
1) Thermal	243.579	4521.714	TOTAL STATE	406.969	7772.267
(A1+C1+C4+(B1-B6))					
2) Hydro	11.808	193.308			
(A2+C2)					
3) Gas	14.203	258.651			
(A3+B6+C3)					
4) Wind	21.361	211.692			
6) SOLAR	3.234	52.302			
TOTAL STATE	294.185	5237.667			

* 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 24 Hrs
MSPGCL Thermal	5236	5218	5114	4665
MSPGCL Hydro	316	329	257	93
MSPGCL Gas	422	421	423	442
MSPGCL Total Generation	5974	5968	5794	5200
Central Sector Receipt	5861	5706	5364	2585
WIND	1116	1028	601	1090
CPP / IPP Thermal	4861	4717	4690	3829
CPP / IPP Gas	0	0	0	0
SOLAR	414	423	1	0
Exchange with Mumbai	-1231	-1246	-1231	-774
MSEDCL DEMAND MET	16995	16596	15219	11930
Load Shedding	0	0	0	0
MSEDCL DEMAND	16995	16596	15219	11930
TPCL GENERATION	1085	1012	1017	719
R-INFRA GENERATION	375	375	376	376
MUMBAI DEMAND	2691	2633	2624	1869
STATE DEMAND MET	19686	19229	17843	13799
STATE DEMAND	19686	19229	17843	13799
Frequency (Hz)	50.00	49.94	50.03	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 12.01 Hrs	49.76 Hz at 06.49 Hrs	49.98	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 19/Dec/2017

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	0.00	0	0
Unit 7	0.00	42.96	0	0
Unit 8	0.00	119.38	0	0
Unit 9	10.24	202.22	549	380
Unit 10	9.91	74.63	522	370
Total	20.15	439.20		
Bhusawal				
Unit 3	3.90	39.64	180	155
Unit 4	9.17	153.75	485	350
Unit 5	9.34	155.10	500	350
Total	22.40	348.48		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.43	85.88	194	175
Unit 7	0.00	12.88	0	0
Unit 8	3.89	74.08	168	158
Total	8.32	172.85		
Chandrapur				
Unit 3	0.00	8.28	0	0
Unit 4	0.00	10.22	0	0
Unit 5	9.68	60.91	455	346
Unit 6	8.93	169.06	395	330
Unit 7	9.78	184.04	454	355
Unit 8	0.00	143.56	0	0
Unit 9	9.73	184.57	455	345
Total	38.12	760.64		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.19	85.87	257	186
Total	5.19	85.87		
Khaparkheda				
Unit 1	1.32	7.08	135	0
Unit 2	3.66	70.89	165	140
Unit 3	0.00	0.00	0	0
Unit 4	3.85	14.89	167	156
Unit 5	9.20	180.40	420	350
Total	18.03	273.26		
Nasik				
Unit 3	3.93	75.95	195	156
Unit 4	0.00	69.94	0	0
Unit 5	0.92	0.92	159	0
Total	4.85	146.81		
Uran				
All Units	10.23	185.82	445	409
Total	10.23	185.82		
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)	0.35	4.02	52	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.35	4.02		
Koyna				
Stage 1-2	1.99	37.42	275	40
Stage 4	0.00	5.07	0	0
Stage 3	0.96	10.09	160	0
Total	2.95	52.58		
Hydro				
KDPH	0.43	5.95	18	18
VTRNA	0.86	1.56	61	0
TILLARI	0.37	6.97	62	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.28	4.73	40	0
RNGR+BHTSA	0.40	7.51	17	16
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.44	9.23	19	18
GHATGHAR	1.18	14.67	125	0
Total	3.96	50.62		
Wind				
Total	21.36	211.69	0	0
Total	21.36	211.69		
CPP				
APML(Mus)	53.16	904.38	0	0
JSWEL(Mus)	15.64	313.50	0	0
VIPL(Mus)	11.00	220.94	0	0
RPLAMT(Mus)	9.56	183.01	0	0
WPCL(Mus)	4.07	78.28	0	0
Other(Mus)	11.76	225.46	0	0
Total	105.18	1925.56		
SOLAR				
Total	3.23	52.30	0	0
Total	3.23	52.30		
Tata				
Trombay 5	7.51	154.18	317	305
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.46	44.84	114	73
Trombay 7B	1.51	27.99	67	54
Trombay 8	4.81	31.81	202	198
TATA Hydro	4.90	90.11	405	4
Total	21.20	348.93		
R-INFRA				
DTPS U-1&2	9.01	183.06	376	374
Total	9.01	183.06		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	117.07	2227.11	MSPGCL Total	134.20	2516.12
			MSPGCL Thml+Gas	127.30	2412.92	Koyna 1,2 & 4 Total	1.99	42.49
			MSPGCL Hydro	6.90	103.20	State Total	294.18	5237.67

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 19/Dec/2017

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	4395	154	426	4975	961	3907	0	0	3571	3362	-584	12621	0	12621	1671	14292	50.01
2	4415	95	423	4933	940	3913	0	0	3417	3239	-479	12546	0	12546	1542	14088	49.99
3	4397	98	413	4908	1032	3904	0	0	3355	3135	-425	12554	0	12554	1485	14039	50.02
4	4412	103	422	4937	1035	3905	0	0	3433	3109	-397	12589	0	12589	1457	14046	50.03
5	4402	93	420	4915	1002	3922	0	0	4030	3846	-417	13268	0	13268	1478	14746	50.01
6	4460	203	416	5079	936	3941	0	0	4732	4755	-537	14174	0	14174	1598	15772	49.97
7	4886	499	435	5820	946	4404	0	1	5190	5211	-723	15659	0	15659	1788	17447	49.92
8	5095	533	445	6073	890	4738	0	46	5654	5742	-715	16774	0	16774	1967	18741	49.93
9	5178	454	434	6066	830	5217	0	187	5479	5527	-830	16997	0	16997	2243	19240	49.94
10	5186	304	429	5919	1057	5068	0	310	5558	5143	-1106	16391	0	16391	2492	18883	49.95
11	5261	260	426	5947	1165	4923	0	419	5689	5407	-1241	16620	0	16620	2663	19283	50.01
12	5236	316	422	5974	1116	4861	0	414	6007	5861	-1231	16995	0	16995	2691	19686	50.00
13	5218	329	421	5968	1028	4717	0	423	6034	5706	-1246	16596	0	16596	2633	19229	49.94
14	4754	335	418	5507	947	4419	0	443	5827	6012	-1128	16200	0	16200	2516	18716	50.00
15	5187	442	418	6047	807	4621	0	434	5742	5815	-1146	16578	0	16578	2538	19116	49.95
16	5255	438	417	6110	580	4676	0	323	5949	6009	-1156	16542	0	16542	2549	19091	49.95
17	5322	581	409	6312	428	4735	0	192	5654	5712	-1087	16292	0	16292	2549	18841	49.94
18	5319	437	431	6187	445	4825	0	41	5270	5366	-1145	15719	0	15719	2541	18260	49.98
19	5114	257	423	5794	601	4690	0	1	5240	5364	-1231	15219	0	15219	2624	17843	50.03
20	4826	255	428	5509	758	4329	0	0	5124	4921	-1174	14343	0	14343	2558	16901	50.00
21	4703	255	438	5396	918	3958	0	0	5115	4398	-1190	13480	0	13480	2402	15882	49.96
22	4690	203	443	5336	889	3841	0	0	4109	3540	-1026	12580	0	12580	2225	14805	50.00
23	4691	166	433	5290	960	3833	0	0	3293	3019	-935	12167	0	12167	2056	14223	49.99
24	4665	93	442	5200	1090	3829	0	0	2903	2585	-774	11930	0	11930	1869	13799	49.98
MUs	117.07	6.90	10.23	134.20	21.36	105.18	0.00	3.23	116.37	112.78	-21.92	354.83	0.00	354.83	52.13	406.97	49.98

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 19/Dec/2017

Position as on 6.30 Hrs of 20/Dec/2017

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown.	
CENT.SECTOR	Tarapur 1	160	04/06/2017	19.09		Continued.	3 months outage for refuelling.	
MSPGCL	Chandrapur Unit-8	500	16/12/2017	00.16		Continued.	Annual Overhaul	
FORCED OUTAGE								
RGPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPL	Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
MSPGCL	Koradi Unit 6	210	09/07/2015	00.00		Continued.	EE R&M LE Work	
IPP	SWPGL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
IPP	SWPGL U-2	135	29/02/2016	21.46		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	
MSPGCL	Bhusawal Unit 2	210	14/06/2016	19.35		Continued.	De-commissioned on dt. 01.04.2017	
RGPL	Dabhol 2A	230	24/08/2016	13.31		Continued.	Change Over.	
MSPGCL	Koradi Unit 5	200	05/09/2016	00.21		Continued.	De-commissioned on dt.02.03.2017	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule	
MSPGCL	Ghatghar Unit-2	125	28/07/2017	00.00		Continued.	due to common pressure shaft with unit 1.	
MSPGCL	Khaparkheda Unit 3	210	12/09/2017	00.00		Continued.	Coal Shortage	
IPP	RPL(AMT) U-5	270	17/09/2017	02.01		Continued.	Coal Shortage	
IPP	Dhariwal	300	27/10/2017	17.31		Continued.	Drum level Not Maintained	
MSPGCL	Nasik Unit 5	210	16/11/2017	04.45	19/12/2017	15.40	Flame Failure, withdrawn due to coal shortage since 20.11.2017 at 11:00Hrs	
IPP	Adani U-3	660	17/11/2017	20.59		Continued.	Tripped on APS Bellow Leakage	
CPP	IEPL Unit 1	270	21/11/2017	23.50		Continued.	Turbine bearing Vibration high	
MSPGCL	Paras Unit 3	250	29/11/2017	22.55		Continued.	bunkering problem,Water shortage	
IPP	JSW (J) U2	300	01/12/2017	24.00		Continued.	no schedule.	
MSPGCL	Chandrapur Unit 3	210	03/12/2017	01.35		Continued.	Water Shortage	
MSPGCL	Chandrapur Unit 4	210	03/12/2017	14.17		Continued.	Water Shortage	
MSPGCL	Parli Unit 7	250	03/12/2017	23.35		Continued.	Poor Coal Receipt.	
IPP	RPL(AMT) U-1	270	12/12/2017	08.49		Continued.	switch gear problem (Coal shortage from 17.12.2017, 00:00hrs)	
MSPGCL	Koradi Unit 7	210	13/12/2017	00.10		Continued.	poor coal receipt.	
MSPGCL	Koradi Unit-8	660	14/12/2017	19.27		Continued.	Poor Coal Receipt	
IPP	RPL(AMT) U-4	270	15/12/2017	00.01		Continued.	Coal Shortage	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 19/Dec/2017

Position as on 6.30 Hrs of 20/Dec/2017

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Uran Unit 6	108	15/12/2017	07.03		Continued.	Gas shortage	
MSPGCL	Khaparkheda Unit 1	210	17/12/2017	19.35	19/12/2017	12.23	Boiler Tube Leakage	
MSPGCL	Nasik Unit 4	210	18/12/2017	09.50		Continued.	Boiler Tube Leakage	
CPP	SWPGL U-4	135	19/12/2017	11.37	19/12/2017	13.42	Generator Protection operated	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Dec/2017

Statement-VII

Position as on 6.30 Hrs of 20/Dec/2017

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							
HVDC Pole-I	IntraState	19/12/2017	00.00	19/12/2017	02.59	T	AC Ground Conductor 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	18/12/2017	17.34		Continued.	HT	Over Voltage
Dabhol Newkoyna li	InterState	19/12/2017	09.46		Continued.	PO	insulator cleaning work.
Karad-Jaigad - I	IntraState	16/12/2017	18.09		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	18/12/2017	06.28		Continued.	HT	Heavy Sparking On Isolater
Khadka-Aurangabad (Waluj)	IntraState	18/12/2017	18.02	19/12/2017	07.21	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	18/12/2017	23.37	19/12/2017	07.22	HT	Over Voltage
Padghe - Kalwa- I	IntraState	19/12/2017	08.18	19/12/2017	14.39	PO	pid work.
Khadka-Aurangabad (Waluj)	IntraState	19/12/2017	18.54		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	19/12/2017	21.57		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220 kV 167 MVA Spare ICT @Deepnagar	IntraState	10/12/2017	08.52		Continued.	T	Replacement of ICT-1 R-PH CT.
400/220kv, 500 Mva ICT-1 @Deepnagar	IntraState	13/12/2017	20.54		Continued.	T	Differential protection
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	Bunching of conductor Loc no 86 Disconnecting of jumper at Loc no 86 & 107 and de-energising the line bet.86 to 107.
Mumewadi -Halkarni II	IntraState	17/11/2017	10.00		Continued.	PO	Tower erection work (temporarily line would be Mumewadi-Tillari)
Halkarni - Tillari II	IntraState	17/11/2017	12.25		Continued.	PO	Tower erection work. (temporarily line would be Mumewadi-Tillari)
Kharghar-Borivali ckt II	IntraState	07/12/2017	12.23		Continued.	T	Distance Protection
New Koyna - Loteparshuram	IntraState	18/12/2017	10.56		Continued.	PO	Jumper Replacement Work.
Kharghar - Nerul	IntraState	19/12/2017	08.39	20/12/2017	02.18	PO	Line Maintenance work
512 Khadki- Century Enka	IntraState	19/12/2017	09.16	19/12/2017	16.00	PO	Testing Work
Karad - Vita Ckt- I	IntraState	19/12/2017	10.03	19/12/2017	20.16	PO	Testing Work
chandrapur-Tadali	IntraState	19/12/2017	10.23	19/12/2017	15.15	EO	Attending Hot Spot
Nagothane-Wadkhali-I	IntraState	19/12/2017	10.56	19/12/2017	21.10	PO	ct replacement.
Pusad-WardhaPG(Deoli)	IntraState	19/12/2017	11.46	19/12/2017	17.36	PO	pid work.
Parli New Tps - Beed Ckt 2	IntraState	19/12/2017	12.17	19/12/2017	13.40	PO	Quarterly Maintainance Work
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Failed on internal Fault(Now repaired and ready for commissioning)
220/100 Kv 200 MVA ICT-IV@Kalwa	IntraState	24/11/2017	01.58		Continued.	T	Buchholz PRV Operated(Failed on Internal Fault)
220/22 Kv 50 Mva Telk Ptr 2 @Mahad	IntraState	19/12/2017	10.00		Continued.	PO	Testing Work
220/132 Kv 200 Mva Cgl Ptr No 5 @Parvati	IntraState	19/12/2017	10.10	19/12/2017	16.40	PO	diagnostic testing.
220/132 Kv 200 Mva Bbl lct 2 @Beed	IntraState	19/12/2017	10.25	19/12/2017	11.50	PO	Quarterly Maintainance 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 19/Dec/2017

Statement-VII

Position as on 6.30 Hrs of 20/Dec/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220/33kV 100 MVA Transformer 2 @Versova R/S	IntraState	19/12/2017	11.12	19/12/2017	12.05	EO	Attending Hot Spot
220/33kV 125 MVA Transformer 1 @Saki R/S	IntraState	19/12/2017	15.43		Continued.	PO	Routine Maintenance Work