

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 12/Oct/2019 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	118.166	1440.141	1) Gujrat	15.307	190.288
2) Hydro	6.165	73.651	2) Madhya Pradesh	10.126	104.123
3) Gas	10.225	103.281	3) Chattisgarh	3.490	34.590
Total MSPGCL	134.556	1617.073	4) Maharashtra	124.239	1575.735
B) 1) APMIL	53.828	331.947	5) Goa (Amona)	-0.660	-6.688
2) JSWEL	19.462	218.221	Total	152.502	1898.048
3) VIPL	0.000	0.000	a) Mumbai Schedule	31.249	368.225
4) RPL(AMT)	20.929	250.828	b) Mumbai Drawl	37.754	414.114
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	18.992	303.706
6) Other IPP	8.608	101.806	Include PX	-0.660	80.670
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	31.249	368.225
C) 1) TPCL Thermal	12.332	155.902	Include PX	12.539	175.315
2) TPCL Hydro	3.659	44.287	Standby	0.000	0.000
3) TPCL Gas	3.590	39.954	H) ENERGY CATERED (MUs)		
4) AEML Thermal	5.057	94.094	1) MSEDCL	360.405	4138.149
D) STATE			2) Mumbai Discoms	62.392	748.347
1) Thermal	238.382	2592.939	TOTAL STATE	422.797	4886.496
(A1+C1+C4+(B1-B6))					
2) Hydro	9.824	117.938			
(A2+C2)					
3) Gas	13.815	143.235			
(A3+B7+C3)					
4) Wind	2.608	62.632			
6) SOLAR	5.666	71.708			
TOTAL STATE	270.295	2988.452			

* 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 16 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	4863	4947	5011	4897
MSPGCL Hydro	153	146	987	256
MSPGCL Gas	395	394	436	414
MSPGCL Total Generation	5411	5487	6434	5567
Central Sector Receipt	7249	7226	6340	5197
WIND	149	65	87	111
CPP / IPP Thermal	4184	4281	4675	3903
CPP / IPP Gas	0	0	0	0
SOLAR	791	462	0	0
Exchange with Mumbai	-2156	-1867	-1434	-1251
MSEDCL DEMAND MET	15628	15654	16102	13527
Load Shedding	0	0	0	0
MSEDCL DEMAND	15628	15654	16102	13527
TPCL GENERATION	737	934	1146	684
AEML GENERATION	191	250	250	193
MUMBAI DEMAND	3084	3051	2830	2128
STATE DEMAND MET	18712	18705	18932	15655
STATE DEMAND	18712	18705	18932	15655
Frequency (Hz)	50.03	50.00	50.04	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 08.00 Hrs	49.84 Hz at 14.14 Hrs	50.01	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 12/Oct/2019

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Unit 8	0.00	34.05	0	0
Unit 9	11.22	120.86	538	400
Unit 10	10.23	121.49	480	318
Total	21.45	276.40		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	3.55	110.81	430	0
Unit 5	9.44	39.93	465	350
Total	13.00	150.74		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.74	16.46	225	184
Unit 7	4.63	58.40	230	173
Unit 8	4.78	58.23	230	180
Total	14.15	133.08		
Chandrapur				
Unit 3	4.11	29.53	186	159
Unit 4	3.90	41.67	170	160
Unit 5	8.60	94.35	390	300
Unit 6	8.16	100.14	425	295
Unit 7	0.00	0.00	0	0
Unit 8	9.23	105.12	470	350
Unit 9	9.07	102.04	436	333
Total	43.07	472.85		
Paras				
Unit 3	4.29	41.11	200	110
Unit 4	0.00	0.00	0	0
Total	4.29	41.11		
Khaparkheda				
Unit 1	0.02	30.23	15	0
Unit 2	0.02	35.13	25	0
Unit 3	3.98	41.64	200	160
Unit 4	4.01	46.25	207	160
Unit 5	10.36	113.45	490	370
Total	18.40	266.70		
Nasik				
Unit 3	0.00	24.52	0	0
Unit 4	0.00	31.55	0	0
Unit 5	3.82	43.19	177	147
Total	3.82	99.26		
Uran				
All Units	10.22	103.28	567	382
Total	10.22	103.28		
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)	0.58	11.10	57	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.58	11.10		
Koyna				
Stage 1-2	2.64	33.08	405	40
Stage 4	1.17	14.39	578	0
Stage 3	0.86	11.18	80	0
Total	4.66	58.65		
Hydro				
KDPH	0.25	3.74	37	0
VTRNA	0.00	0.00	0	0
TILLARI	0.54	2.25	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.30	3.20	40	0
RNGR+BHTSA	0.00	0.00	0	0
BHANDARDRA	0.00	0.79	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.25	3.36	14	1
GHATGHAR	0.17	1.66	90	0
Total	1.51	15.00		
Wind				
Total	2.61	62.63	0	0
Total	2.61	62.63		
CPP				
APML(Mus)	53.83	331.95	0	0
JSWEL(Mus)	19.46	218.22	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	20.93	250.83	0	0
WPCL(Mus)	0.00	0.00	0	0
Other(Mus)	8.61	101.81	0	0
Total	102.83	902.80		
SOLAR				
Total	5.67	71.71	0	0
Total	5.67	71.71		
Tata				
Trombay 5	7.60	98.34	421	295
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.22	24.42	116	57
Trombay 7B	1.37	15.54	66	45
Trombay 8	4.74	57.56	209	193
TATA Hydro	3.66	44.29	442	18
Total	19.58	240.14		
AEML				
DTPS U-1&2	5.06	94.09	251	191
Total	5.06	94.09		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	118.17	1440.14	MSPGCL Total	134.56	1617.07
			MSPGCL Thml+Gas	128.39	1543.42	Koyna 1,2 & 4 Total	3.80	47.48
			MSPGCL Hydro	6.16	73.65	State Total	270.30	2988.45

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 12/Oct/2019

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	4924	526	404	5854	91	3989	0	0	5530	5379	-1590	13723	0	13723	2480	16203	49.99
2	4914	573	415	5902	34	3926	0	0	5303	5314	-1385	13791	0	13791	2266	16057	50.01
3	4897	256	414	5567	111	3903	0	0	5451	5197	-1251	13527	0	13527	2128	15655	50.00
4	4893	206	404	5503	67	3944	0	0	5409	5321	-1175	13660	0	13660	2034	15694	50.03
5	4877	176	406	5459	52	3951	0	0	5583	5734	-1136	14060	0	14060	1991	16051	50.02
6	5256	153	406	5815	72	4201	0	0	5893	5856	-1193	14751	0	14751	2048	16799	50.03
7	5481	247	405	6133	87	4349	0	16	6145	6363	-1236	15712	0	15712	2100	17812	49.98
8	5383	182	406	5971	116	4482	0	162	6149	6430	-1322	15839	0	15839	2186	18025	50.04
9	5285	67	415	5767	129	4484	0	433	6496	6466	-1538	15741	0	15741	2397	18138	50.04
10	4807	95	399	5301	173	4149	0	663	6939	7004	-1841	15449	0	15449	2703	18152	50.01
11	4617	153	398	5168	189	4123	0	777	7393	7447	-2043	15661	0	15661	2951	18612	50.01
12	4863	153	395	5411	149	4184	0	791	7507	7249	-2156	15628	0	15628	3084	18712	50.03
13	4900	153	393	5446	100	4226	0	740	7262	6961	-2079	15394	0	15394	3063	18457	49.99
14	4578	163	382	5123	58	4196	0	696	7091	7173	-1938	15308	0	15308	2977	18285	50.00
15	4585	303	400	5288	58	4189	0	624	7068	7140	-1870	15429	0	15429	3040	18469	49.96
16	4947	146	394	5487	65	4281	0	462	7090	7226	-1867	15654	0	15654	3051	18705	50.00
17	4989	263	393	5645	66	4484	0	249	6788	6833	-1774	15503	0	15503	2999	18502	49.97
18	5026	178	391	5595	66	4661	0	53	6498	6292	-1614	15053	0	15053	2917	17970	49.99
19	5008	813	390	6211	71	4678	0	0	6175	6268	-1530	15698	0	15698	2921	18619	50.02
20	5011	987	436	6434	87	4675	0	0	6194	6340	-1434	16102	0	16102	2830	18932	50.04
21	4856	174	496	5526	150	4579	0	0	6380	6182	-1470	14967	0	14967	2708	17675	50.03
22	4742	101	559	5402	189	4529	0	0	6025	6164	-1419	14865	0	14865	2568	17433	50.03
23	4730	51	557	5338	181	4385	0	0	6070	6168	-1428	14644	0	14644	2493	17137	49.99
24	4597	46	567	5210	247	4259	0	0	6140	5995	-1465	14246	0	14246	2457	16703	50.03
MUs	118.17	6.16	10.23	134.56	2.61	102.83	0.00	5.67	152.58	152.50	-37.75	360.41	0.00	360.41	62.39	422.80	50.01

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 12/Oct/2019

Position as on 6.30 Hrs of 13/Oct/2019

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	Koyna STG- IV Unit - 1	250	18/07/2019	14.30	12/10/2019	00.15	Breaker Air Pressure Problem(Converted for Capital Overhaul from DT.24-07-2019)	
MSPGCL	Chandrapur Unit 7	500	27/07/2019	00.00		Continued.	Annual Overhaul	
MSPGCL	Ghatghar Unit-1	125	25/09/2019	04.20		Continued.	Withdrawn on shaft seal water leakage.Converted to AOH from 1 Nov 2019.	
FORCED OUTAGE								
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 U2	126	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule	
IPP	IEPL Unit 1	270	28/08/2018	21.26		Continued.	No PPA	
IPP	SWPGL U-2	135	27/11/2018	00.00		Continued.	No Schedule.	
CPP	SWPGL U-4	135	15/12/2018	00.00		Continued.	No Schedule	
IPP	VIPL U-1	300	29/12/2018	00.30		Continued.	Coal Shortage	
IPP	VIPL U-2	300	17/01/2019	00.15		Continued.	Coal Shortage	
MSPGCL	Koyna Unit 10	80	05/08/2019	20.05		Continued.	Stator Earth Fault	
MSPGCL	Paras Unit 4	250	25/08/2019	00.45		Continued.	Annual Overhaul Converted Zero Schedule From 28.10.2019 18.00	
MSPGCL	Koradi Unit 7	210	27/08/2019	09.52		Continued.	Coal Flow Problem Due To Wet Coal.(Converted To Zero Schedule From 12.09.2019 At 20.00 hrs)	
IPP	RPL(AMT) U-1	270	01/09/2019	09.11		Continued.	Generator Protection operated	
MSPGCL	Bhusawal Unit 3	210	01/09/2019	17.56		Continued.	Zero Schedule from 18:00hrs of 28/09/2019	
MSPGCL	Koradi Unit 6	210	06/09/2019	15.41		Continued.	Zero Schedule By MSEDCL.	
IPP	Adani U-1	660	19/09/2019	01.43		Continued.	Due to Low Coal Stock.	
MSPGCL	Koyna STG-IV Unit-2	250	02/10/2019	19.19	12/10/2019	20.40	Down Stream Seal Leakage Problem.	
AEML	AEML Unit 2	250	07/10/2019	21.18		Continued.	Coal Shortage	
IPP	JSW (J) U4	300	09/10/2019	12.49	13/10/2019	18.03	CW Duct Leakage.	
MSPGCL	Nasik Unit 3	210	09/10/2019	23.57		Continued.	Under Case 4 Bidding.	
MSPGCL	Nasik Unit 4	210	09/10/2019	23.59		Continued.	Zero schedule.	
MSPGCL	Uran Unit 7	108	10/10/2019	10.15	12/10/2019	17.43	Balancing work of GT	
MSPGCL	Koradi Unit-8	660	11/10/2019	22.36		Continued.	Boiler Tube Leakage	
MSPGCL	Khaparkheda Unit 1	210	12/10/2019	00.11		Continued.	Zero Schedule	
MSPGCL	Khaparkheda Unit 2	210	12/10/2019	00.17		Continued.	Zero Schedule	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 12/Oct/2019

Position as on 6.30 Hrs of 13/Oct/2019

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Bhusawal Unit 4	500	12/10/2019	09.42	13/10/2019	03.21	LP Bypass leakages	
RGPL	Dabhol 3X	290	13/10/2019	01.20		Continued.	Unit changeover.	
RGPL	Dabhol 3B	230	13/10/2019	01.20		Continued.	Unit changeover.	
MSPGCL	Uran Unit 7	108	13/10/2019	11.30	13/10/2019	14.45	Flame Failure	
MSPGCL	Khaparkheda Unit 3	210	13/10/2019	19.57		Continued.	Zero Schedule	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 12/Oct/2019

Statement-VII

Position as on 6.30 Hrs of 13/Oct/2019

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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
Chandrapur - Parli	IntraState	07/10/2019	13.57		Continued.	T	Distance Protection, Z-2, B-Ph, 1.3KA, 317KM.
Karad-Jaigad - I	IntraState	09/10/2019	21.08		Continued.	HT	Over Voltage
Kalwa - Talegaon(PG)	IntraState	10/10/2019	08.36	13/10/2019	18.01	PO	CB Overhauling work
Khadka-Aurangabad (Waluj)	IntraState	11/10/2019	17.15		Continued.	HT	Over Voltage
New Koyna -Koyna Stage IV-I	IntraState	11/10/2019	23.59	12/10/2019	00.19	PO	LBB Testing
Babhaleshwar - Padghe-II	IntraState	12/10/2019	09.04	12/10/2019	16.37	PO	PID Work
Girwali- Lonikand 2	IntraState	12/10/2019	10.11	12/10/2019	16.42	PO	Line Maintenance work
Nagothane - Dabhol I	IntraState	12/10/2019	10.35	12/10/2019	19.15	EO	Replacing Nut Bolt melt at BPI Clamp towards Line side
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.
400/220/33 Kv 500 Mva Ict 1 @ CHANDRAPUR 2	IntraState	12/04/2019	17.10		Continued.	HT	Due To CVT Porcelain Collars Of The ICT-1 are Damaged.
400/220/33 315MVA ICT-III @ KHADKA	IntraState	12/10/2019	06.35		Continued.	PO	Replacement of Y Phase LV side bushing and oil filtration work.
400/220 KV 500MVA ICT-IV @ Babhaleshwar	IntraState	12/10/2019	09.33	12/10/2019	18.12	PO	Quarterly Maintenance Work
400/220/33 Kv 105 MVA Spare ICT @Kharghar	IntraState	12/10/2019	10.16	12/10/2019	17.19	PO	Attending mionr leakage from OLTC of Y-Ph
400/220 Kv 500 MVA ICT-III @Kalwa	IntraState	13/10/2019	09.31	13/10/2019	18.38	PO	Maintenance & Testing Work
400/220/33 Kv 315 Mva Ict 2 @Dhule	IntraState	13/10/2019	10.07	13/10/2019	11.44	EO	Emergency Fire Alarm
220 KV LINE Outages/Trippings							
Mudshingi Chikodi	InterState	24/09/2019	17.12		Continued.	PO	No Schedule.(close at Mudshingi end only)
Talandage - Chikodi	InterState	01/10/2019	17.10		Continued.	PO	No Schedule.(close at Chikodi end only)
Talegaon(PG)-Talegaon(Ambi)-II	InterState	12/10/2019	23.14	13/10/2019	02.14	EO	LA Replacement work
Boisar(MS) - Boisar (PG) - I	InterState	13/10/2019	07.02	13/10/2019	10.23	PO	Attending Hot Spot
Borivali - Tarapur	InterState	13/10/2019	10.55	13/10/2019	18.28	PO	Borivali Main Bus-1 Outage
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To Control Line Loading(H/T from Boisar end)
Lonand-Baramati	IntraState	17/09/2019	11.13		Continued.	HT	To Control Overloading of Lonand-Jejuri Line.
Nashik-Padgha	IntraState	11/10/2019	20.40	12/10/2019	00.50	HT	Hand Tripped For Load Management
MAHAPE - RELIANCE GIS	IntraState	12/10/2019	08.40	12/10/2019	13.40	PO	Attending Hot Spot
Pedambe-Nerle	IntraState	12/10/2019	09.00	12/10/2019	13.34	EO	Emergency outage
Goregaon Aarey Line 2	IntraState	12/10/2019	09.08	12/10/2019	21.29	PO	CT Replacement work
Theur-Phursungi	IntraState	12/10/2019	09.43	12/10/2019	13.27	PO	Tan Delta Work
Chinchwad-Hinjewadi I	IntraState	12/10/2019	09.56	12/10/2019	19.14	HT	HT For Load management for Urse-Talegaon outage
OSMANABAD PARANDA	IntraState	12/10/2019	10.07	12/10/2019	14.38	PO	Daigonistic Testing Work
Tilawani-Talandge-I	IntraState	12/10/2019	11.22	12/10/2019	13.00	PO	Annual Maintenance Work
Sahara-Urse	IntraState	12/10/2019	12.04	12/10/2019	19.10	HT	HT For Load management for Urse-Talegaon outage
Urse - Talegaon (Ambi) Ckt 2	IntraState	12/10/2019	12.18	12/10/2019	19.08	PO	Commissioning of B-ph LA
Theur-Phursungi ckt-2	IntraState	12/10/2019	13.31	12/10/2019	16.55	PO	Line Maintenance work
OSMANABAD BARSHI	IntraState	12/10/2019	14.54	12/10/2019	16.20	PO	Attending Hot Spot
Sahara-Urse	IntraState	12/10/2019	22.50	13/10/2019	02.20	HT	HT For Load Management

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 12/Oct/2019

Statement-VII

Position as on 6.30 Hrs of 13/Oct/2019

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Chinchwad-Hinjewadi I	IntraState	12/10/2019	23.01	13/10/2019	02.26	HT	HT For Load Management
OSMANABAD PARANDA	IntraState	13/10/2019	03.22	13/10/2019	04.20	T	B-Ph LA Bust Osmanabad End
GIS Bhandup - Borivali	IntraState	13/10/2019	07.14	13/10/2019	17.58	PO	Borivali Main Bus Section-1 Outage
Kharghar-Borivali ckt II	IntraState	13/10/2019	07.37	13/10/2019	18.10	PO	Borivali main Bus Section-1@ Borivali
Kharghar-Sonkhar	IntraState	13/10/2019	08.22	13/10/2019	13.20	PO	Line Maintenance work
Boisar Versova Line	IntraState	13/10/2019	09.44	13/10/2019	10.26	HT	HT For Overloading
Tata Borivli MSETCL Borivli 4	IntraState	13/10/2019	10.42	13/10/2019	18.50	PO	Borivali Main Bus-1 Outage
Dahanu-Viraj	IntraState	13/10/2019	11.31	13/10/2019	16.50	PO	INSULATOR REPLACEMENT WORK.
Boisar-Viraj	IntraState	13/10/2019	17.50	13/10/2019	19.27	PO	Replacement of Existing in Service Polymer insulator
220 KV ICT Outages/Trippings							
220/132kv 150MVA ICT-II @ Bhenda	IntraState	12/10/2019	11.20	12/10/2019	14.05	PO	Attending Oil Leakage
220/100 Kv 200 MVA ICT-I @Borivali	IntraState	13/10/2019	07.14	13/10/2019	17.42	PO	Borivali Main Bus Section-1 Outage
220/100 Kv 200 Mva Vijai Ict 3 @Trombay	IntraState	13/10/2019	13.36	13/10/2019	17.27	PO	Attending Oil Leakage

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