

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 13/Dec/2019 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	150.592	1680.431	1) Gujrat	3.680	59.710
2) Hydro	5.696	198.249	2) Madhya Pradesh	10.763	128.135
3) Gas	5.813	100.447	3) Chattisgarh	6.350	89.520
Total MSPGCL	162.101	1979.127	4) Maharashtra	127.612	1532.683
B) 1) APMIL	65.643	953.806	5) Goa (Amona)	-0.726	-9.218
2) JSWEL	16.433	290.874	Total	147.679	1800.830
3) VIPL	0.000	0.000	a) Mumbai Schedule	30.351	368.029
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	30.765	392.889
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	23.296	386.039
6) Other IPP	14.098	180.014	Include PX	2.115	94.243
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	30.351	368.029
C) 1) TPCL Thermal	8.747	125.876	Include PX	15.355	140.726
2) TPCL Hydro	5.503	69.598	Standby	0.000	0.000
3) TPCL Gas	2.281	39.770	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.989	139.237	1) MSEDCL	385.985	5028.310
D) STATE			2) Mumbai Discoms	57.285	767.369
1) Thermal	265.502	3370.238	TOTAL STATE	443.270	5795.679
(A1+C1+C4+(B1-B6))					
2) Hydro	11.199	267.847			
(A2+C2)					
3) Gas	8.094	140.217			
(A3+B7+C3)					
4) Wind	5.163	150.000			
6) SOLAR	5.633	66.548			
TOTAL STATE	295.591	3994.850			

* 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 4 Hrs
MSPGCL Thermal	6665	6682	6311	5688
MSPGCL Hydro	304	231	400	105
MSPGCL Gas	280	245	239	238
MSPGCL Total Generation	7249	7158	6950	6031
Central Sector Receipt	7028	7242	6118	4762
WIND	253	150	191	219
CPP / IPP Thermal	4618	4513	4361	3392
CPP / IPP Gas	0	0	0	0
SOLAR	901	870	0	0
Exchange with Mumbai	-1467	-1706	-1555	-1011
MSEDCL DEMAND MET	18582	18227	16065	13393
Load Shedding	0	0	0	0
MSEDCL DEMAND	18582	18227	16065	13393
TPCL GENERATION	976	814	839	399
AEML GENERATION	500	392	375	374
MUMBAI DEMAND	2943	2912	2769	1784
STATE DEMAND MET	21525	21139	18834	15177
STATE DEMAND	21525	21139	18834	15177
Frequency (Hz)	50.03	50.01	50.03	50.14

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 03.45 Hrs	49.87 Hz at 16.15 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 13/Dec/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	10.40	153.93	500	320
Unit 9	10.92	154.04	540	371
Unit 10	9.21	79.00	450	330
Total	30.53	386.98		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	9.22	93.87	470	360
Unit 5	9.14	105.62	485	350
Total	18.36	199.50		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.38	72.40	250	190
Unit 7	5.35	49.55	249	194
Unit 8	5.24	56.10	241	190
Total	15.97	178.06		
Chandrapur				
Unit 3	4.24	54.45	190	163
Unit 4	3.60	44.39	165	122
Unit 5	8.70	114.45	370	350
Unit 6	10.33	135.81	475	360
Unit 7	0.00	0.00	0	0
Unit 8	10.24	135.97	470	360
Unit 9	9.96	134.80	465	360
Total	47.08	619.88		
Paras				
Unit 3	4.79	9.00	225	180
Unit 4	4.96	8.47	234	192
Total	9.76	17.47		
Khaparkheda				
Unit 1	3.85	14.23	175	130
Unit 2	4.06	15.58	190	115
Unit 3	4.07	16.11	195	140
Unit 4	4.10	51.14	195	146
Unit 5	10.13	132.04	490	363
Total	26.21	229.10		
Nasik				
Unit 3	2.69	2.69	166	0
Unit 4	0.00	0.00	0	0
Unit 5	0.00	46.76	0	0
Total	2.69	49.46		
Uran				
All Units	5.81	100.45	281	228
Total	5.81	100.45		
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	1.35	22	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.02	1.35		
Koyna				
Stage 1-2	2.39	58.45	365	35
Stage 4	0.66	91.09	253	0
Stage 3	0.51	31.06	80	0
Total	3.56	180.60		
Hydro				
KDPH	0.44	1.04	19	18
VTRNA	0.00	0.00	0	0
TILLARI	0.00	0.00	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.36	4.17	80	0
RNGR+BHTSA	0.39	4.85	17	16
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.46	3.69	20	19
GHATGHAR	0.48	3.90	125	0
Total	2.14	17.65		
Wind				
Total	5.16	150.00	0	0
Total	5.16	150.00		
CPP				
APML(Mus)	65.64	953.81	0	0
JSWEL(Mus)	16.43	290.87	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	0.00	0.00	0	0
Other(Mus)	14.10	180.01	0	0
Total	96.17	1424.69		
SOLAR				
Total	5.63	66.55	0	0
Total	5.63	66.55		
Tata				
Trombay 5	8.75	125.78	474	290
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.26	23.58	59	48
Trombay 7B	1.02	16.19	47	40
Trombay 8	0.00	0.10	0	0
TATA Hydro	5.50	69.60	436	0
Total	16.53	235.24		
AEML				
DTPS U-1&2	9.99	139.24	503	373
Total	9.99	139.24		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	150.59	1680.43	MSPGCL Total	162.10	1979.13
			MSPGCL Thml+Gas	156.40	1780.88	Koyna 1,2 & 4 Total	3.05	149.54
			MSPGCL Hydro	5.70	198.25	State Total	295.59	3994.85

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 13/Dec/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	5706	91	238	6035	456	3383	0	0	5503	5404	-1224	14054	0	14054	2004	16058	50.06
2	5742	96	229	6067	403	3393	0	0	5357	5195	-1126	13932	0	13932	1896	15828	50.04
3	5683	91	237	6011	325	3384	0	0	5264	5127	-1064	13783	0	13783	1833	15616	50.07
4	5688	105	238	6031	219	3392	0	0	5166	4762	-1011	13393	0	13393	1784	15177	50.14
5	5687	216	238	6141	188	3369	0	0	5461	5367	-748	14317	0	14317	1775	16092	50.10
6	5867	221	238	6326	170	3439	0	0	6710	6599	-888	15646	0	15646	1979	17625	49.99
7	6641	215	237	7093	132	4011	0	3	6852	6551	-704	17086	0	17086	2009	19095	49.96
8	6683	657	228	7568	108	4541	0	84	6371	6595	-829	18067	0	18067	2163	20230	49.94
9	6647	577	238	7462	79	4597	0	307	6442	6321	-955	17811	0	17811	2376	20187	49.98
10	6614	618	278	7510	99	4617	0	586	6471	6177	-1113	17876	0	17876	2559	20435	49.99
11	6705	335	281	7321	102	4590	0	790	6907	6798	-1321	18280	0	18280	2786	21066	49.99
12	6665	304	280	7249	253	4618	0	901	7309	7028	-1467	18582	0	18582	2943	21525	50.03
13	6682	231	245	7158	150	4513	0	870	7359	7242	-1706	18227	0	18227	2912	21139	50.01
14	6634	173	239	7046	175	4534	0	750	7180	7085	-1772	17818	0	17818	2750	20568	50.03
15	6651	129	239	7019	195	4512	0	662	7391	7287	-1773	17902	0	17902	2768	20670	49.95
16	6820	88	239	7147	214	4516	0	449	7231	6973	-1625	17674	0	17674	2796	20470	49.96
17	6529	208	229	6966	238	4381	0	190	6682	6501	-1547	16729	0	16729	2763	19492	49.93
18	6349	283	239	6871	197	4324	0	41	6122	6274	-1516	16191	0	16191	2731	18922	50.04
19	6311	400	239	6950	191	4361	0	0	5902	6118	-1555	16065	0	16065	2769	18834	50.03
20	6585	296	239	7120	171	4138	0	0	5844	5649	-1475	15603	0	15603	2672	18275	50.00
21	6192	88	239	6519	247	3795	0	0	5682	5469	-1313	14717	0	14717	2477	17194	50.04
22	5883	88	238	6209	260	3393	0	0	5842	5706	-1395	14173	0	14173	2313	16486	50.01
23	5808	88	239	6135	277	3209	0	0	5821	5774	-1365	14030	0	14030	2178	16208	49.96
24	5820	98	229	6147	314	3164	0	0	5878	5677	-1273	14029	0	14029	2049	16078	50.03
MUs	150.59	5.70	5.81	162.10	5.16	96.17	0.00	5.63	150.75	147.68	-30.76	385.99	0.00	385.99	57.28	443.27	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 13/Dec/2019

Position as on 6.30 Hrs of 14/Dec/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	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.	
MSPGCL	Koyna Unit 7	80	31/10/2019	16.30		Continued.	Turbine Vibration(converted to Capital Overhaul for 60 Days from 09.00Hrs DT.01-11-2019)	
MSPGCL	Nasik Unit 4	210	20/11/2019	04.15		Continued.	ID Fan Problem(Converted for Zero Schedule from 05.00hrs DT. 21-11-2019 and Continued for Annual Overhaul From 01.12.2019	
TPC_G	Trombay 8	250	01/12/2019	00.50		Continued.	Annual Overhaul	
MSPGCL	Koyna STG-IV Unit-4	250	06/12/2019	12.00		Continued.	Annual Overhaul	
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	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	
MSPGCL	Nasik Unit 3	210	09/10/2019	23.57	13/12/2019	04.45	Under Case 4 Bidding.	
IPP	RPL(AMT) U-3	270	25/10/2019	02.00		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-2	270	25/10/2019	22.00		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-5	270	09/11/2019	03.00		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-4	270	12/11/2019	00.00		Continued.	Zero Schedule By MSEDCL.	
MSPGCL	Uran Unit 8	108	30/11/2019	19.14		Continued.	Over Speed Bolt Trip.	
MSPGCL	Uran Unit B0	120	07/12/2019	07:14		Continued.	Gas shortage	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 13/Dec/2019

Position as on 6.30 Hrs of 14/Dec/2019

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Uran Unit 7	108	07/12/2019	07:14		Continued.	Gas shortage	
IPP	JSW (J) U1	300	11/12/2019	23.58		Continued.	Governing Walve Rectification Work	
MSPGCL	Nasik Unit 5	210	12/12/2019	10.25		Continued.	PA Fan Problem (Under Case 4 Bidding From 04.25Hrs DT. 13-12-2019)	
IPP	Adani U-5	660	13/12/2019	20.01		Continued.	Due to APH Bellow Oil Leakage.	
MSPGCL	Uran Unit 5	108	14/12/2019	00.12		Continued.	Gas shortage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 13/Dec/2019

Statement-VII

Position as on 6.30 Hrs of 14/Dec/2019

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 @ Akola-II	IntraState	13/12/2019	09.02	13/12/2019	19.57	PO	CSD Commissioning Activities.
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
Dabhol Nagothane I	InterState	12/12/2019	10.43	14/12/2019	18:13	PO	RPH CT Leakage Attend Work. (Replacement of faulty string dt:13/12/2019 at 09:40 hrs.)
Dhule Sar'Sarovar I	InterState	12/12/2019	18.07	13/12/2019	08.14	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	13/12/2019	18.46		Continued.	HT	Over Voltage
Padghe - Kalwa- I	IntraState	03/12/2019	09.54		Continued.	PO	Construction Work
Koradi-Bhusawal	IntraState	04/12/2019	08.41		Continued.	PO	Restrining of Conductor
Kalwa - Talegaon(PG)	IntraState	13/12/2019	03.58	13/12/2019	07.37	PO	Plastic Remove From Tower.
Deepnagar Waluj 1	IntraState	13/12/2019	07.44	13/12/2019	13.01	PO	Replacement Of Faulty String.
Warora-Tirora-li	IntraState	13/12/2019	10.09	13/12/2019	17.51	PO	Maintenance Work.
Chandrapur II - Chandrapur SW Ckt I	IntraState	13/12/2019	11.11	13/12/2019	13.22	EO	For Attending heavy Arcing Sound in Regular Interval At YPH 89 A isolator by Hotline.
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 315 Mva Ict 1 @Parali (Girwali)	IntraState	10/12/2019	10.27		Continued.	PO	For Replacment Of Y-PH UNIT By Overhauled Unit.
400/132 Kv 200 Mva Ict 2 @Khadka	IntraState	14/12/2019	09.16	14/12/2019	19.07	PO	Testing & Bay Maintenance Work.
400/220/33kv, 500 Mva Ict-2 @Khaparkheda	IntraState	14/12/2019	11.42	14/12/2019	13.45	EO	Oil leakage.
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)
EKLAHARE (OCR) Nasik - Navsari I	InterState	13/12/2019	09.37	13/12/2019	15.41	PO	Replacement Of OLD Disc Insulator.
Aurangabad PG (Chitepimpalgaon)- Chitegaon Ckt-II	InterState	13/12/2019	10.25	13/12/2019	19.18	PO	Routine Maintenance Work & Diagnostic Testing.
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To Control Line Loading(H/T from Boisar end)
Butibori - Khaperkheda	IntraState	13/12/2019	05.03	14/12/2019	12.08	T	Distance Protection
Apta - Tambati	IntraState	13/12/2019	07.40	13/12/2019	11.55	PO	Relay Testing Work.
Padghe - Nalasopara	IntraState	13/12/2019	08.31		Continued.	PO	Erection of New Tower.
Vita - Mhaishal	IntraState	13/12/2019	09.37	13/12/2019	16.15	PO	String Replacement Work.
Warora - Hinganghat	IntraState	13/12/2019	10.59	13/12/2019	17.07	PO	Diagnostic Testing Work.
Kolhapur-Bidri	IntraState	13/12/2019	11.19	13/12/2019	17.43	PO	Tan Delta Testing.
Kandalgaon - ONGC Panvel	IntraState	13/12/2019	11.20	13/12/2019	13.17	PO	measuring IR values Of LA.
Chalishaon - Deepnagar	IntraState	13/12/2019	11.53	13/12/2019	12.12	T	Distance Protection
Koradi-Khaperkheda	IntraState	13/12/2019	12.05	13/12/2019	16.26	PO	Coal Pipe Conveyor Galleries Erection Work.
Raymond - Washala	IntraState	13/12/2019	12.42	13/12/2019	12.50	T	Distance Protection
Kalwa1- Airoli Knowledge Park	IntraState	13/12/2019	14.34	13/12/2019	17.33	PO	Crane Passing Work.
Kandalgaon - Bhira	IntraState	13/12/2019	14.55	13/12/2019	16.55	PO	LA LCM Measurement.
Kadegaon-Miraj	IntraState	14/12/2019	10.15	14/12/2019	17.06	PO	Disc Insulator Replacement.
Sawantwadi-Bidri	IntraState	14/12/2019	10.20	14/12/2019	14.32	PO	Faulty Insulator Replacement.
Shivajinagar - Malegaon	IntraState	14/12/2019	11.02	14/12/2019	15.00	T	Distance Protection

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 13/Dec/2019

Statement-VII

Position as on 6.30 Hrs of 14/Dec/2019

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Ghatghar - Jindal	IntraState	14/12/2019	12.24	14/12/2019	16.56	PO	Bus Jumper Replacement Work.
Dondaicha(220)-Amalner(220)	IntraState	14/12/2019	12.54	14/12/2019	15.24	PO	Jumper Replacement.
Bableshtar Ahamadnagar-li	IntraState	14/12/2019	21.15		Continued.	PO	Replacement of Y PH CT.
220 KV ICT Outages/Trippings							
220/132 Kv 150 Mva Emco Ict 1 @Ambazari	IntraState	13/12/2019	11.04	13/12/2019	15.26	PO	For Taking Trial Of CTR System.
220/132 Kv 200 MVA ICT I @Dhule	IntraState	14/12/2019	08.41	14/12/2019	13.01	PO	Routine Maintenance Work & Diagnostic Testing Work.
220kv 200MVA ICT IV @ OCR Nashik	IntraState	14/12/2019	09.15	14/12/2019	15.58	PO	Diagnostic Testing & Bay Maintenance Work.
220/132 KV ICT II @ Kopergaon	IntraState	14/12/2019	11.20	14/12/2019	11.25	PO	Oil Filtration Work.
220/100 Kv 200 Mva Aval Ict 2 @Taloja	IntraState	14/12/2019	14.23	14/12/2019	15.56	EO	Hot Spot Attending LV BPH CT.

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