

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 05/Jan/2020 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	104.864	573.293	1) Gujrat	2.257	16.410
2) Hydro	6.288	45.868	2) Madhya Pradesh	14.581	67.961
3) Gas	5.691	29.300	3) Chattisgarh	7.950	37.840
Total MSPGCL	116.843	648.461	4) Maharashtra	98.554	509.211
B) 1) APMIL	67.086	341.681	5) Goa (Amona)	-0.440	-3.102
2) JSWEL	22.550	112.154	Total	122.902	628.320
3) VIPL	0.000	0.000	a) Mumbai Schedule	15.342	79.895
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	14.278	85.657
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	27.751	121.722
6) Other IPP	14.704	72.881	Include PX	4.415	4.910
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	15.342	79.895
C) 1) TPCL Thermal	13.678	68.243	Include PX	3.862	27.547
2) TPCL Hydro	0.838	12.877	Standby	0.000	0.000
3) TPCL Gas	2.489	12.849	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.375	49.131	1) MSEDCL	357.599	1792.398
D) STATE			2) Mumbai Discoms	40.658	228.756
1) Thermal	232.257	1217.383	TOTAL STATE	398.257	2021.154
(A1+C1+C4+(B1-B6))					
2) Hydro	7.126	58.745			
(A2+C2)					
3) Gas	8.180	42.149			
(A3+B7+C3)					
4) Wind	21.790	50.297			
6) SOLAR	6.002	24.261			
TOTAL STATE	275.355	1392.835			

* 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 3 Hrs
MSPGCL Thermal	4779	4778	4525	3985
MSPGCL Hydro	517	547	256	64
MSPGCL Gas	222	223	233	223
MSPGCL Total Generation	5518	5548	5014	4272
Central Sector Receipt	6187	5891	5411	3795
WIND	932	725	517	1012
CPP / IPP Thermal	4878	4886	4816	3785
CPP / IPP Gas	0	0	0	0
SOLAR	907	953	1	0
Exchange with Mumbai	-750	-610	-722	-352
MSEDCL DEMAND MET	17672	17393	15037	12512
Load Shedding	0	0	0	0
MSEDCL DEMAND	17672	17393	15037	12512
TPCL GENERATION	729	841	885	580
AEML GENERATION	497	497	359	375
MUMBAI DEMAND	1976	1948	1966	1307
STATE DEMAND MET	19648	19341	17003	13819
STATE DEMAND	19648	19341	17003	13819
Frequency (Hz)	49.95	49.99	50.00	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.23 Hz at 23.54 Hrs	49.79 Hz at 13.11 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 05/Jan/2020

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	12.38	59.40	620	446
Unit 9	11.80	57.79	570	405
Unit 10	0.00	37.14	0	0
Total	24.18	154.32		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Total	0.00	0.00		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	9.41	0	0
Unit 7	3.71	24.20	249	0
Unit 8	5.15	26.28	245	194
Total	8.86	59.90		
Chandrapur				
Unit 3	4.26	20.88	190	163
Unit 4	3.73	18.60	174	135
Unit 5	8.43	42.66	365	325
Unit 6	10.36	51.20	475	360
Unit 7	0.00	0.00	0	0
Unit 8	10.77	52.19	490	365
Unit 9	10.54	51.68	480	360
Total	48.09	237.20		
Paras				
Unit 3	4.80	25.06	220	187
Unit 4	5.13	25.21	240	191
Total	9.94	50.28		
Khaparkheda				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	0.00	3.22	0	0
Unit 5	9.67	48.02	470	360
Total	9.67	51.23		
Nasik				
Unit 3	4.13	20.36	195	160
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Total	4.13	20.36		
Uran				
All Units	5.69	29.30	298	221
Total	5.69	29.30		
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)	0.13	0.33	53	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.13	0.33		
Koyna				
Stage 1-2	1.52	12.63	180	15
Stage 4	2.63	16.90	774	0
Stage 3	0.34	6.36	140	0
Total	4.49	35.89		
Hydro				
KDPH	0.00	0.68	0	0
VTRNA	0.00	0.00	0	0
TILLARI	0.42	2.28	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.10	0.59	70	0
RNGR+BHTSA	0.34	1.52	15	14
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.05	0	0
SMLHY_PTN	0.31	1.77	24	10
GHATGHAR	0.62	3.09	125	0
Total	1.80	9.98		
Wind				
Total	21.79	50.30	0	0
Total	21.79	50.30		
CPP				
APML(Mus)	67.09	341.68	0	0
JSWEL(Mus)	22.55	112.15	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)	14.70	72.88	0	0
Total	104.34	526.72		
SOLAR				
Total	6.00	24.26	0	0
Total	6.00	24.26		
Tata				
Trombay 5	8.71	43.11	474	275
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.37	7.14	65	55
Trombay 7B	1.12	5.71	51	45
Trombay 8	4.96	25.13	244	183
TATA Hydro	0.84	12.88	127	0
Total	17.00	93.97		
AEML				
DTPS U-1&2	9.38	49.13	499	249
Total	9.38	49.13		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	104.86	573.29	MSPGCL Total	116.84	648.46
			MSPGCL Thml+Gas	110.56	602.59	Koyna 1,2 & 4 Total	4.15	29.53
			MSPGCL Hydro	6.29	45.87	State Total	275.36	1392.84

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 05/Jan/2020

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	3885	59	223	4167	718	4121	0	0	4666	4226	-506	12726	0	12726	1483	14209	49.97
2	3947	64	234	4245	882	3841	0	0	4159	4120	-398	12690	0	12690	1369	14059	49.97
3	3985	64	223	4272	1012	3785	0	0	3958	3795	-352	12512	0	12512	1307	13819	50.01
4	3985	64	234	4283	1137	3752	0	0	3880	3746	-336	12582	0	12582	1276	13858	50.00
5	3988	64	222	4274	1148	3778	0	0	4282	4050	-339	12911	0	12911	1277	14188	49.95
6	4383	59	225	4667	1208	4097	0	0	4590	4462	-427	14007	0	14007	1368	15375	49.97
7	4606	69	286	4961	1278	4259	0	1	5602	4954	-505	14948	0	14948	1441	16389	49.99
8	4675	114	287	5076	1292	4292	0	62	5742	6015	-584	16153	0	16153	1533	17686	49.95
9	4697	104	298	5099	1152	4668	0	248	5875	5854	-602	16419	0	16419	1678	18097	49.96
10	4723	77	284	5084	1247	4962	0	534	5896	5699	-592	16934	0	16934	1838	18772	49.97
11	4769	164	239	5172	1138	4818	0	739	6313	6461	-708	17620	0	17620	1943	19563	49.97
12	4779	517	222	5518	932	4878	0	907	6382	6187	-750	17672	0	17672	1976	19648	49.95
13	4778	547	223	5548	725	4886	0	953	5992	5891	-610	17393	0	17393	1948	19341	49.99
14	4700	474	232	5406	504	4864	0	890	6053	5845	-528	16981	0	16981	1874	18855	49.92
15	4607	386	223	5216	427	4808	0	729	6146	6156	-451	16885	0	16885	1805	18690	49.97
16	4527	900	232	5659	372	4776	0	582	5913	5939	-443	16885	0	16885	1766	18651	49.97
17	4546	1004	223	5773	367	4818	0	294	5412	5204	-507	15949	0	15949	1758	17707	49.98
18	4511	302	221	5034	388	4822	0	62	5323	5247	-557	14996	0	14996	1809	16805	50.02
19	4525	256	233	5014	517	4816	0	1	5293	5411	-722	15037	0	15037	1966	17003	50.00
20	4452	246	221	4919	675	4713	0	0	5292	5058	-857	14508	0	14508	1996	16504	50.01
21	4128	414	231	4773	895	3951	0	0	5118	5303	-937	13985	0	13985	1951	15936	49.97
22	4084	213	221	4518	1130	3748	0	0	5039	4559	-944	13011	0	13011	1883	14894	50.01
23	3804	61	231	4096	1297	3518	0	0	4810	4449	-841	12519	0	12519	1777	14296	50.01
24	3780	66	223	4069	1349	3369	0	0	4252	4271	-782	12276	0	12276	1636	13912	50.06
MUs	104.86	6.29	5.69	116.84	21.79	104.34	0.00	6.00	125.99	122.90	-14.28	357.60	0.00	357.60	40.66	398.26	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 05/Jan/2020

Position as on 6.30 Hrs of 06/Jan/2020

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	
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 U1	262	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U2	126	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 By MSEDCL	
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	Nasik Unit 5	210	12/12/2019	10.25		Continued.	PA Fan Problem (Under Case 4 Bidding From 04.25Hrs DT. 13-12-2019)	
MSPGCL	Bhusawal Unit 5	500	23/12/2019	22.05		Continued.	Boiler Tube Leakage(Converted to Zero Schedule from 22.00Hrs DT. 26-12-2019)	
MSPGCL	Uran Unit B0	120	28/12/2019	22:48		Continued.	Gas shortage	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 05/Jan/2020

Position as on 6.30 Hrs of 06/Jan/2020

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	28/12/2019	22:48		Continued.	Gas shortage	
MSPGCL	Bhusawal Unit 4	500	29/12/2019	00.57		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Khaparkheda Unit 1	210	31/12/2019	03.35		Continued.	Boiler Tube Leakage(Converted to Zero Schedule from (10.25hrs DT. 01-01-2020)	
MSPGCL	Khaparkheda Unit 2	210	31/12/2019	16.53		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Khaparkheda Unit 3	210	31/12/2019	17.33		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Khaparkheda Unit 4	210	01/01/2020	19.58		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Parli Unit 6	250	02/01/2020	17.52	06/01/2020	04.40	Zero Schedule By MSEDCL	
MSPGCL	Koradi Unit 10	660	04/01/2020	03.40		Continued.	Boiler Tube Leakage	
MSPGCL	Parli Unit 7	250	05/01/2020	19.31		Continued.	Due To Suspected BTL.	
IPP	Adani U-2	660	05/01/2020	20.11		Continued.	Due To Generator Protection Operated.	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Jan/2020

Statement-VII

Position as on 6.30 Hrs of 06/Jan/2020

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
Dhule Sar'Sarovar I	InterState	03/01/2020	15.41	05/01/2020	09.02	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	05/01/2020	10.50	05/01/2020	12.50	HT	R-Phase Is Not Completely On And Tripp Circuit Faulty Indication Is Persisting On Window And Relay Panel.
Dhule Sar'Sarovar I	InterState	05/01/2020	17.26		Continued.	HT	Over Voltage
Padghe - Kalwa-II	IntraState	25/12/2019	10.31	06/01/2020	08.00	PO	MMRDA Shifting/Height Raising Construction Work 05/Jan/2020 22.00 RFC.
Khadka-Aurangabad (Waluj)	IntraState	02/01/2020	18.00	05/01/2020	09.56	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	05/01/2020	17.32		Continued.	HT	Over Voltage
karad -kolhapur-I	IntraState	05/01/2020	20.45		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 Kv 500 MVA ICT-I @Kalwa	IntraState	05/01/2020	12.59	05/01/2020	18.50	PO	Isolator Maintenance Work & Testing.
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)
Boiser(M)-Boiser(PG) -III	InterState	05/01/2020	09.06	05/01/2020	12.54	PO	For Safety While Work On CKT-1
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To Control Line Loading(H/T from Boisar end)
MAHAPE - RELIANCE GIS	IntraState	28/12/2019	18.27		Continued.	HT	At Mahape End For New Configuration.
Baramati- Kalyani	IntraState	31/12/2019	09.20		Continued.	PO	Diversion of 220KV Lines Emanating From Baramati s/s Through Underground Cable.
Kandalgaon - Koyna (Pophali)	IntraState	05/01/2020	06.50	05/01/2020	20.30	PO	Replacement Of Existing 0.5 Class 245Kv CT With New 0.2 Class 245Kv CT.
Pedambe-Pophali	IntraState	05/01/2020	07.00	05/01/2020	21.10	PO	Replacement Of Existing 0.5 Class 245Kv CT With New 0.2 Class 245Kv CT.
Koyna (Pophali) - Kdph	IntraState	05/01/2020	07.05	05/01/2020	20.30	PO	Replacement Of Existing 0.5 Class 245Kv CT With New 0.2 Class 245Kv CT.
Phophali Stg I Bus section II	IntraState	05/01/2020	07.05	05/01/2020	21.05	PO	Replacement Of Existing 0.5 Class 245Kv CT With New 0.2 Class 245Kv CT.
Boisar II - Boisar PG I	IntraState	05/01/2020	07.17	05/01/2020	12.53	EO	Attending Hot Spot
Trombay Salsette 1 Backbay	IntraState	05/01/2020	07.52	05/01/2020	13.50	PO	For Opening loops At Loc No.32.
Boisar Versova Line	IntraState	05/01/2020	08.22	05/01/2020	13.08	PO	Due to Outage on Boiser-BoiserPG CKT1 & CKT3.
Kalwa Salsette III	IntraState	05/01/2020	08.24	05/01/2020	13.52	PO	For Closer Inspection.
Boisar(M) - Ghodbunder	IntraState	05/01/2020	08.32	05/01/2020	13.09	PO	Due to Outage on Boiser-BoiserPG CKT1 & CKT3.
Trombay - Kalwa	IntraState	05/01/2020	14.56	05/01/2020	23.16	PO	Routine Maintenance Work
Trombay MSETCL Tie 2	IntraState	05/01/2020	14.56	05/01/2020	23.19	PO	Routine Maintenance Work

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