

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	47.123	299.320	1) Gujrat	12.381	53.638
2) Hydro	18.646	90.616	2) Madhya Pradesh	17.814	87.034
3) Gas	8.202	35.452	3) Chattisgarh	8.280	40.570
Total MSPGCL	73.971	425.388	4) Maharashtra	116.546	556.707
B) 1) APLM	72.590	322.700	5) Goa (Amona)	0.000	0.000
2) JSWEL	11.762	56.005	Total	155.021	737.949
3) VIPL	0.000	0.000	a) Mumbai Schedule	17.290	84.069
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	11.770	58.912
5) WPCL	5.661	27.542	c) MSEDCL Bilateral *	47.863	232.389
6) Other IPP	7.485	39.367	Include PX	29.870	146.384
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	17.290	84.069
C) 1) TPCL Thermal	15.042	73.568	Include PX	10.383	51.566
2) TPCL Hydro	1.887	12.154	Standby	0.000	0.000
3) TPCL Gas	2.555	12.785	H) ENERGY CATERED (MUs)		
4) AEML Thermal	11.609	55.866	1) MSEDCL	333.770	1640.450
D) STATE			2) Mumbai Discoms	42.863	213.285
1) Thermal	171.272	874.368	TOTAL STATE	376.633	1853.735
(A1+C1+C4+(B1-B6))					
2) Hydro	20.533	102.770			
(A2+C2)					
3) Gas	10.757	48.237			
(A3+B7+C3)					
4) Wind	11.746	53.878			
6) SOLAR	7.304	36.533			
TOTAL STATE	221.612	1115.786			

* 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 14 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 23 Hrs
MSPGCL Thermal	1959	1813	1789	1899
MSPGCL Hydro	738	505	1172	369
MSPGCL Gas	280	364	418	412
MSPGCL Total Generation	2977	2682	3379	2680
Central Sector Receipt	7622	7747	5275	5359
WIND	218	275	592	1161
CPP / IPP Thermal	4189	4171	3964	4157
CPP / IPP Gas	0	0	0	0
SOLAR	1016	974	0	0
Exchange with Mumbai	-358	-439	-730	-788
MSEDCL DEMAND MET	15664	15410	12480	12569
Load Shedding	0	0	0	0
MSEDCL DEMAND	15664	15410	12480	12569
TPCL GENERATION	872	830	744	735
AEML GENERATION	498	499	373	500
MUMBAI DEMAND	1728	1768	1847	2023
STATE DEMAND MET	17392	17178	14327	14592
STATE DEMAND	17392	17178	14327	14592
Frequency (Hz)	49.96	50.04	49.99	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.26 Hz at 21.09 Hrs	49.71 Hz at 20.49 Hrs	50	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/Apr/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	9.32	52.86	430	330
Unit 9	9.10	53.29	455	325
Unit 10	9.62	51.49	440	350
Total	28.04	157.64		
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	0.00	0	0
Unit 7	0.00	0.00	0	0
Unit 8	0.00	0.00	0	0
Total	0.00	0.00		
Chandrapur				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Unit 8	0.00	39.44	0	0
Unit 9	10.96	52.46	485	380
Total	10.96	91.90		
Paras				
Unit 3	5.44	26.37	243	200
Unit 4	2.49	23.22	230	0
Total	7.93	49.59		
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	0.00	0	0
Unit 5	0.19	0.19	139	0
Total	0.19	0.19		
Nasik				
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		
Uran				
All Units	8.20	35.45	418	276
Total	8.20	35.45		
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)	0.21	0.61	40	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.21	0.61		
Koyna				
Stage 1-2	5.26	31.26	480	35
Stage 4	7.61	31.58	910	0
Stage 3	2.58	13.74	284	0
Total	15.45	76.59		
Hydro				
KDPH	0.89	3.78	37	37
VTRNA	0.00	0.00	0	0
TILLARI	0.41	2.34	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.08	0.40	50	0
RNGR+BHTSA	0.33	1.36	14	13
BHANDARDRA	0.45	2.32	32	3
ELDARY	0.36	0.93	15	14
SMLHY_PTN	0.68	2.89	39	26
GHATGHAR	0.00	0.00	0	0
Total	3.20	14.03		
Wind				
Total	11.75	53.88	0	0
Total	11.75	53.88		
CPP				
APML(Mus)	72.59	322.70	0	0
JSWEL(Mus)	11.76	56.00	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	5.66	27.54	0	0
Other(Mus)	7.48	39.37	0	0
Total	97.50	445.61		
SOLAR				
Total	7.30	36.53	0	0
Total	7.30	36.53		
Tata				
Trombay 5	9.59	47.33	474	188
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.43	7.12	62	58
Trombay 7B	1.13	5.66	48	46
Trombay 8	5.45	26.24	242	141
TATA Hydro	1.89	12.15	359	6
Total	19.48	98.51		
AEML				
DTPS U-1&2	11.61	55.87	500	373
Total	11.61	55.87		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	47.12	299.32	MSPGCL Total	73.97	425.39
			MSPGCL Thml+Gas	55.32	334.77	Koyna 1,2 & 4 Total	12.87	62.84
			MSPGCL Hydro	18.65	90.62	State Total	221.61	1115.79

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 05/Apr/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	2187	1499	292	3978	477	3744	0	0	5855	5943	-606	13536	0	13536	1991	15527	49.98
2	2146	1116	293	3555	381	3771	0	0	6549	6286	-529	13464	0	13464	1896	15360	50.01
3	2133	534	293	2960	396	3758	0	0	6567	6537	-477	13174	0	13174	1819	14993	50.01
4	2090	601	283	2974	391	3760	0	0	6514	6652	-428	13349	0	13349	1745	15094	49.96
5	2141	799	304	3244	307	4003	0	0	6382	6728	-401	13881	0	13881	1714	15595	49.98
6	2152	975	296	3423	317	4218	0	0	6897	6964	-395	14527	0	14527	1705	16232	49.95
7	2171	1345	297	3813	288	4218	0	18	7343	7418	-369	15386	0	15386	1666	17052	50.03
8	2175	1538	295	4008	207	4229	0	184	7052	6886	-350	15164	0	15164	1658	16822	50.03
9	2121	1001	293	3415	175	4244	0	422	6666	6705	-371	14590	0	14590	1686	16276	50.05
10	2069	874	276	3219	179	4224	0	693	6789	6645	-362	14598	0	14598	1702	16300	50.00
11	2071	450	289	2810	193	4230	0	945	7155	7003	-371	14810	0	14810	1722	16532	49.95
12	1959	738	280	2977	218	4189	0	1016	7645	7622	-358	15664	0	15664	1728	17392	49.96
13	1872	471	312	2655	249	4125	0	980	8021	7649	-411	15247	0	15247	1761	17008	49.96
14	1813	505	364	2682	275	4171	0	974	7894	7747	-439	15410	0	15410	1768	17178	50.04
15	1770	205	398	2373	410	4143	0	858	7927	7786	-414	15156	0	15156	1764	16920	49.99
16	1772	286	398	2456	614	4142	0	641	7742	7708	-423	15138	0	15138	1744	16882	49.97
17	1760	141	400	2301	827	4140	0	400	7374	6966	-399	14235	0	14235	1713	15948	49.98
18	1761	266	402	2429	701	4138	0	163	6095	5932	-412	12951	0	12951	1709	14660	50.00
19	1765	185	406	2356	700	4112	0	10	5523	5460	-482	12156	0	12156	1722	13878	50.02
20	1789	1172	418	3379	592	3964	0	0	4928	5275	-730	12480	0	12480	1847	14327	49.99
21	1771	1781	406	3958	558	3903	0	0	3543	4051	-673	11797	0	11797	1912	13709	49.93
22	1773	1307	381	3461	917	3771	0	0	3620	4272	-689	11732	0	11732	1783	13515	50.14
23	1899	369	412	2680	1161	4157	0	0	5192	5359	-788	12569	0	12569	2023	14592	50.01
24	1963	488	414	2865	1213	4144	0	0	5267	5427	-893	12756	0	12756	2085	14841	50.02
MUs	47.12	18.65	8.20	73.97	11.75	97.50	0.00	7.30	154.54	155.02	-11.77	333.77	0.00	333.77	42.86	376.63	50.00

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/Apr/2020

Position as on 6.30 Hrs of 06/Apr/2020

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
FORCED OUTAGE								
IPP	SWPGL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
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	
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 10.00 hrs)	
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-4	270	12/11/2019	00.00		Continued.	Zero Schedule By MSEDCL.	
MSPGCL	Nasik Unit 5	210	12/12/2019	10.25		Continued.	PA Fan Problem (Under Case 4 Bidding From 11.00Hrs DT. 13-12-2019)	
IPP	RPL(AMT) U-3	270	11/02/2020	18.00		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-5	270	11/02/2020	19.30		Continued.	Zero Schedule By MSEDCL.	
MSPGCL	Nasik Unit 3	210	17/02/2020	00:00		Continued.	C W PUMP High Vibrations(convert to Zero Schedule from 00.00Hrs DT. 18-02-2020)	
MSPGCL	Ghatghar Unit-1	125	18/02/2020	00.25		Continued.	Severe Hunting In Hydro Conduit Across MIV	
MSPGCL	Uran Unit 8	108	01/03/2020	20.57		Continued.	Gas shortage	
IPP	RPL(AMT) U-1	270	04/03/2020	19.30		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Ghatghar Unit-2	125	09/03/2020	10:50		Continued.	Expansion joint leakage.	
IPP	RPL(AMT) U-2	270	09/03/2020	20.15		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Parli Unit 6	250	21/03/2020	17.31		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Parli Unit 7	250	22/03/2020	10.45		Continued.	Zero Schedule. (R S D FROM 10:45 TO 16:00 Hrs.)	
MSPGCL	Bhusawal Unit 4	500	22/03/2020	18.30		Continued.	Zero Schedule.	
MSPGCL	Bhusawal Unit 5	500	23/03/2020	01.13		Continued.	Zero schedule.	
MSPGCL	Parli Unit 8	250	23/03/2020	18.00		Continued.	Zero Schedule.	
MSPGCL	Chandrapur Unit 6	500	23/03/2020	21.59		Continued.	Clinker Removal Work.	
MSPGCL	Khaparkhedha Unit 2	210	25/03/2020	18.02		Continued.	Reserve Shut Down.	
MSPGCL	Khaparkhedha Unit 1	210	25/03/2020	18.03		Continued.	Reserve Shut Down.	
MSPGCL	Nasik Unit 4	210	25/03/2020	19.45		Continued.	Reserve Shut Down.	
MSPGCL	Khaparkhedha Unit 3	210	25/03/2020	23.55		Continued.	Reserve Shut Down.	

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

Position as on 6.30 Hrs of 06/Apr/2020

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Khaparkheda Unit 4	210	25/03/2020	23.58		Continued.	Reserve Shut Down.	
IPP	JSW (J) U2	300	26/03/2020	00.13		Continued.	No schedule.	
MSPGCL	Chandrapur Unit 3	210	26/03/2020	14.31		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Chandrapur Unit 4	210	26/03/2020	16.06		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Chandrapur Unit 5	500	26/03/2020	20.29		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Uran Unit 5	108	27/03/2020	05.53	05/04/2020	11.23	Mal Function	
MSPGCL	Chandrapur Unit 7	500	28/03/2020	23.56		Continued.	Zero Schedule.	
MSPGCL	Khaparkheda Unit 5	500	30/03/2020	17.42	05/04/2020	22.04	Zero schedule.	
IPP	JSW (J) U3	300	31/03/2020	22.46		Continued.	No schedule.	
MSPGCL	Koyna Unit 6	80	04/04/2020	23.30		Continued.	PLC Problem	
MSPGCL	Chandrapur Unit-8	500	05/04/2020	00.00		Continued.	PA Fan problem	
MSPGCL	Koyna Unit 12	80	05/04/2020	03.10		Continued.	R Phase Pole remains closed during withdrawing of Unit	
MSPGCL	Paras Unit 4	250	05/04/2020	11.31		Continued.	Boiler Tube Leakage	

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

Statement-VII

Position as on 6.30 Hrs of 06/Apr/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
Padgha - Boisar (PG)	InterState	25/03/2020	18.00		Continued.	T	Over Voltage
Dhule Sar'Sarovar I	InterState	30/03/2020	17.32		Continued.	HT	Over Voltage
Chandrapur Bhadravati Ckt-IV	InterState	04/04/2020	12.56	05/04/2020	03.14	HT	Isolator Sparking
Chandrapur Bhadravati IV	InterState	05/04/2020	10.06	05/04/2020	17.30	EO	Sparking On R PH Bus 1 Isolator.
Padghe - Kalwa-II	IntraState	22/03/2020	16.57	05/04/2020	10.36	HT	Over Voltage
Karad - Jaigad - II	IntraState	23/03/2020	18.12		Continued.	HT	Over Voltage
karad -kolhapur-I	IntraState	23/03/2020	20:37	05/04/2020	06.05	HT	Over Voltage
Dhule- Bableshtar - I	IntraState	24/03/2020	20.20		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	25/03/2020	15.38	05/04/2020	06.34	HT	Over Voltage
Padghe - Nagothane - I	IntraState	25/03/2020	16.10		Continued.	T	Over Voltage
New Koyna - Dabhol-I	IntraState	25/03/2020	18.01		Continued.	T	Over Voltage
Koradi-Khaperkhedha I	IntraState	25/03/2020	20.21		Continued.	T	Over Voltage
Kalwa - Talegaon(PG)	IntraState	28/03/2020	16.47		Continued.	HT	Over Voltage
Babhaleshtar - Padghe-I	IntraState	02/04/2020	13.58		Continued.	T	Distance Protection (RFC at 18.38)
karad -kolhapur-II	IntraState	04/04/2020	19.06		Continued.	T	Over Voltage
New Koyna - Koyna Stage IV-II	IntraState	04/04/2020	20.02	05/04/2020	09.56	T	Over Voltage
Padghe - Kalwa- I	IntraState	05/04/2020	10.38	06/04/2020	00.17	EO	Attending Hot Spot
Karad - Lonikand 1	IntraState	05/04/2020	11.09	05/04/2020	13.13	T	Distance Protection
Bhusawal-Aurangabad	IntraState	05/04/2020	17.39		Continued.	HT	Over Voltage
karad -kolhapur-I	IntraState	05/04/2020	18.25		Continued.	T	Distance Protection
Padghe - Kalwa-II	IntraState	06/04/2020	00.21		Continued.	HT	System Reliability.
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 2 @ CHANDRAPUR 2	IntraState	09/03/2020	12.57		Continued.	EO	Testing work (Bushing Tan Delta problem hence kept out.)
400/220 Kv 500 MVA ICT-IV @Kalwa	IntraState	22/03/2020	10.13		Continued.	HT	Hand tripped from LV end to control Over Voltage.
400/220/33 Kv 315 Mva Ict- 2 @Kharghar	IntraState	25/03/2020	13.59		Continued.	EO	CT Tan Delta High.
400/220 KV 315 MVA ICT-I @ Nagothane	IntraState	25/03/2020	17.57		Continued.	HT	LV Side CB Hand Tripped For Voltage.
400/220/33 Kv 500 MVA ICT-II @Lonikand 2	IntraState	25/03/2020	22.00		Continued.	HT	LV Side CB Hand Tripped For Voltage.
400/220/33kv 315mva Ict3 @Lonikand	IntraState	25/03/2020	22.01		Continued.	HT	LV Side CB Hand Tripped For Voltage.
400/220 Kv 500 MVA ICT-III @Kalwa	IntraState	28/03/2020	18.07		Continued.	HT	Over Voltage
220 KV LINE Outages/Trippings							
Mudshingi Chikodi	InterState	24/09/2019	17.12		Continued.	PO	No Schedule.
Talandage - Chikodi	InterState	01/10/2019	17.10		Continued.	PO	No Schedule.(close at Chikodi end only)
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To Control Line Loading(H/T from Boisar end)
Borivali - Ghodbunder	IntraState	30/01/2020	12.05		Continued.	PO	Isolation of 220KV Cables on MSETCL Tower NO.240
Lonand-Baramati	IntraState	16/02/2020	09.37		Continued.	PO	Erection of CTT-2 Tower Work For 220Kv Baramati-Lonand & Baramati Jejuri Cables Emanating from 220Kv Baramati S/Stn.
Karad(400kv) -Mudshingi Ckt 2-Tak	IntraState	02/03/2020	11.12		Continued.	PO	Stringing Of New Earth Wire at loc

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 05/Apr/2020

Statement-VII

Position as on 6.30 Hrs of 06/Apr/2020

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
							no.112 to 132.
Hinjewadi2 - Hinjewadi 3 ckt 1	IntraState	26/03/2020	10.20		Continued.	HT	Over Voltage
Hinjewadi2 - Hinjewadi 3 ckt II	IntraState	26/03/2020	10.20		Continued.	HT	Over Voltage
Butibori-Indorama	IntraState	02/04/2020	21.18		Continued.	T	B PH PT Burst At Indorama End.
Deepnagar Khadaka 2	IntraState	04/04/2020	19.54	05/04/2020	04.48	T	Distance Protection
Jejuri (400 Kv)-Jejuri ckt-I	IntraState	05/04/2020	19.29		Continued.	T	Distance Protection
220 KV ICT Outages/Trippings							
Carnac : 220 / 110 / 33 315 MVA ICT 5	IntraState	14/03/2020	11.00		Continued.	PO	Shifting 220KV Side to New GIS

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