

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 12/Apr/2020 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	42.423	694.652	1) Gujrat	10.189	122.301
2) Hydro	24.675	199.174	2) Madhya Pradesh	17.286	198.167
3) Gas	6.802	84.894	3) Chattisgarh	8.950	99.160
Total MSPGCL	73.900	978.720	4) Maharashtra	135.016	1464.733
B) 1) APML	71.610	685.906	5) Goa (Amona)	0.000	0.000
2) JSWEL	17.163	166.575	Total	171.441	1884.361
3) VIPL	0.000	0.000	a) Mumbai Schedule	17.415	211.772
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	14.539	154.729
5) WPCL	5.459	66.285	c) MSEDCL Bilateral *	66.619	658.447
6) Other IPP	9.088	98.331	Include PX	45.645	423.895
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	17.415	211.772
C) 1) TPCL Thermal	9.956	164.820	Include PX	4.355	92.222
2) TPCL Hydro	4.979	33.545	Standby	0.000	0.000
3) TPCL Gas	4.300	32.297	H) ENERGY CATERED (MUs)		
4) AEML Thermal	11.339	131.033	1) MSEDCL	347.096	3948.840
D) STATE			2) Mumbai Discoms	45.113	516.423
1) Thermal	167.038	2007.602	TOTAL STATE	392.209	4465.263
(A1+C1+C4+(B1-B6))					
2) Hydro	29.654	232.719			
(A2+C2)					
3) Gas	11.102	117.191			
(A3+B7+C3)					
4) Wind	5.853	134.440			
6) SOLAR	7.121	88.951			
TOTAL STATE	220.768	2580.903			

* 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 22 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	1811	1811	1773	1502
MSPGCL Hydro	651	439	918	1807
MSPGCL Gas	270	278	277	278
MSPGCL Total Generation	2732	2528	2968	3587
Central Sector Receipt	8174	8307	6228	6474
WIND	215	230	464	94
CPP / IPP Thermal	4278	4268	4245	4150
CPP / IPP Gas	0	0	0	0
SOLAR	996	951	0	0
Exchange with Mumbai	-497	-475	-710	-593
MSEDCL DEMAND MET	15898	15809	13195	13712
Load Shedding	0	0	0	0
MSEDCL DEMAND	15898	15809	13195	13712
TPCL GENERATION	823	868	913	787
AEML GENERATION	501	499	501	500
MUMBAI DEMAND	1821	1842	2124	1880
STATE DEMAND MET	17719	17651	15319	15592
STATE DEMAND	17719	17651	15319	15592
Frequency (Hz)	50.01	49.98	49.95	50.04

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.15 Hz at 06.02 Hrs	49.76 Hz at 00.07 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 12/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	0.00	112.89	0	0
Unit 9	0.38	112.84	340	0
Unit 10	0.94	108.90	550	0
Total	1.32	334.63		
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	13.91	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	11.07	75.93	490	420
Unit 9	11.29	99.83	480	428
Total	22.36	189.67		
Paras				
Unit 3	5.98	64.95	250	247
Unit 4	6.04	51.66	256	250
Total	12.02	116.60		
Khaparkheda				
Unit 1	0.01	0.01	10	0
Unit 2	2.95	2.95	185	0
Unit 3	3.54	3.54	192	10
Unit 4	0.10	0.10	60	0
Unit 5	0.13	47.16	100	0
Total	6.73	53.75		
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	6.80	84.89	299	270
Total	6.80	84.89		
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)	0.05	1.08	25	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.05	1.08		
Koyna				
Stage 1-2	5.18	63.10	555	40
Stage 4	12.58	71.22	1000	0
Stage 3	3.46	29.04	320	0
Total	21.23	163.37		
Hydro				
KDPH	0.89	10.00	37	37
VTRNA	0.00	0.00	0	0
TILLARI	0.42	5.40	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.26	1.12	80	0
RNGR+BHTSA	0.30	3.44	13	12
BHANDARDRA	0.63	6.36	33	13
ELDARY	0.35	2.71	15	14
SMLHY_PTN	0.59	6.78	34	22
GHATGHAR	0.00	0.00	0	0
Total	3.45	35.80		
Wind				
Total	5.85	134.44	0	0
Total	5.85	134.44		
CPP				
APML(Mus)	71.61	685.91	0	0
JSWEL(Mus)	17.16	166.58	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	5.46	66.28	0	0
Other(Mus)	9.09	98.33	0	0
Total	103.32	1017.10		
SOLAR				
Total	7.12	88.95	0	0
Total	7.12	88.95		
Tata				
Trombay 5	9.96	110.00	457	308
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.74	18.36	116	95
Trombay 7B	1.56	13.93	66	60
Trombay 8	0.00	54.82	0	0
TATA Hydro	4.98	33.54	296	60
Total	19.24	230.66		
AEML				
DTPS U-1&2	11.34	131.03	502	372
Total	11.34	131.03		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	42.42	694.65	MSPGCL Total	73.90	978.72
			MSPGCL Thml+Gas	49.22	779.55	Koyna 1,2 & 4 Total	17.77	134.33
			MSPGCL Hydro	24.68	199.17	State Total	220.77	2580.90

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 12/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	2292	1144	278	3714	188	4397	0	0	6332	6329	-761	13867	0	13867	2096	15963	49.92
2	1855	1484	299	3638	104	4398	0	0	6388	6597	-675	14062	0	14062	1971	16033	50.00
3	1502	1807	278	3587	94	4150	0	0	6338	6474	-593	13712	0	13712	1880	15592	50.04
4	1508	1875	290	3673	87	4467	0	0	6377	6279	-552	13954	0	13954	1807	15761	50.01
5	1557	1691	299	3547	86	4485	0	0	6662	6646	-519	14245	0	14245	1766	16011	50.02
6	1597	1524	279	3400	62	4453	0	0	7666	7544	-610	14849	0	14849	1809	16658	49.94
7	1657	1835	291	3783	45	4459	0	36	7976	7886	-455	15754	0	15754	1725	17479	50.04
8	1762	1488	292	3542	82	4393	0	200	7752	7685	-442	15460	0	15460	1713	17173	50.05
9	1765	1268	288	3321	110	4380	0	477	7324	7250	-449	15089	0	15089	1744	16833	50.03
10	1762	1291	285	3338	182	4329	0	700	7302	7063	-458	15154	0	15154	1785	16939	50.00
11	1817	784	282	2883	226	4313	0	905	7615	7435	-496	15266	0	15266	1819	17085	50.05
12	1811	651	270	2732	215	4278	0	996	8053	8174	-497	15898	0	15898	1821	17719	50.01
13	1811	439	278	2528	230	4268	0	951	8442	8307	-475	15809	0	15809	1842	17651	49.98
14	1800	315	270	2385	250	4249	0	928	8530	8430	-602	15640	0	15640	1805	17445	50.01
15	1764	400	273	2437	264	4268	0	789	8402	8337	-701	15394	0	15394	1798	17192	49.99
16	1804	632	281	2717	289	4261	0	637	8379	8380	-692	15592	0	15592	1802	17394	49.99
17	1806	476	283	2565	441	4232	0	342	8038	8031	-675	14936	0	14936	1793	16729	50.02
18	1728	172	285	2185	212	4188	0	133	7330	7399	-629	13488	0	13488	1758	15246	50.03
19	1755	465	276	2496	295	4179	0	27	6167	6374	-616	12755	0	12755	1800	14555	50.01
20	1776	891	286	2953	343	4253	0	0	5907	6103	-610	13042	0	13042	2008	15050	49.98
21	1785	779	287	2851	404	4227	0	0	5918	5900	-697	12685	0	12685	2074	14759	49.98
22	1773	918	277	2968	464	4245	0	0	5953	6228	-710	13195	0	13195	2124	15319	49.95
23	1816	1213	288	3317	670	4222	0	0	6163	6285	-752	13742	0	13742	2181	15923	50.00
24	1920	1133	287	3340	510	4226	0	0	6477	6305	-873	13508	0	13508	2192	15700	49.98
MUs	42.42	24.68	6.80	73.90	5.85	103.32	0.00	7.12	171.49	171.44	-14.54	347.10	0.00	347.10	45.11	392.21	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 12/Apr/2020

Position as on 6.30 Hrs of 13/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 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	
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 (Given Zero Schedule On 29/3/2020 At 12hrs By MSEDCL).	
MSPGCL	Khaparkheda Unit 2	210	25/03/2020	18.02	12/04/2020	04.30	Reserve Shut Down.	
MSPGCL	Khaparkheda Unit 1	210	25/03/2020	18.03	12/04/2020	22.13	Reserve Shut Down.	
MSPGCL	Nasik Unit 4	210	25/03/2020	19.45		Continued.	Reserve Shut Down.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 12/Apr/2020

Position as on 6.30 Hrs of 13/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	12/04/2020	21.57	Reserve Shut Down.	
IPP	JSW (J) U2	300	26/03/2020	00.13		Continued.	No schedule.	
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	Chandrapur Unit 7	500	28/03/2020	23.56		Continued.	Zero Schedule.	
MSPGCL	Uran Unit 5	108	06/04/2020	13.23		Continued.	Gas shortage	
MSPGCL	Khaparkheda Unit 5	500	10/04/2020	16.00	12/04/2020	22.37	Boiler Tube Leakage	
MSPGCL	Chandrapur Unit 3	210	10/04/2020	20.30		Continued.	Zero Schedule By MSEDCL	
TPC_G	Trombay 8	250	11/04/2020	16.55		Continued.	Zero Schedule.	
MSPGCL	Koradi Unit-8	660	12/04/2020	00.00		Continued.	Zero schedule.	
MSPGCL	Khaparkheda Unit 3	210	12/04/2020	00.06	12/04/2020	01.13	Reverse power protection operated.	
MSPGCL	Koradi Unit 9	660	12/04/2020	01.10		Continued.	Zero schedule.	
MSPGCL	Koradi Unit 10	660	12/04/2020	02.01		Continued.	Zero schedule.	
MSPGCL	Khaparkheda Unit 1	210	12/04/2020	22.17	12/04/2020	23.39	Drum level low	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Apr/2020

Statement-VII

Position as on 6.30 Hrs of 13/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
Dhule Sar'Sarovar I	InterState	30/03/2020	17.32		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	23/03/2020	18.12		Continued.	HT	Over Voltage
Dhule- Bableshtar - I	IntraState	24/03/2020	20.20		Continued.	HT	Over Voltage
New Koyana - Dabhol-I	IntraState	25/03/2020	18.01		Continued.	T	Over Voltage
Koradi-Khaperkheda I	IntraState	25/03/2020	20.21		Continued.	T	Over Voltage
Kalwa - Talegaon(PG)	IntraState	28/03/2020	16.47		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	05/04/2020	17.39	13/04/2020	05.54	HT	Over Voltage
Padghe - Kalwa-II	IntraState	06/04/2020	00.21		Continued.	HT	Over Voltage
Babhaleshtar - Padghe-II	IntraState	07/04/2020	17.46	13/04/2020	14.34	T	Over Voltage
Padghe - Nagothane - II	IntraState	07/04/2020	23.58		Continued.	EO	To attend Hot Spot
Nagothane - Dabhol-II	IntraState	11/04/2020	17.02	12/04/2020	13.51	T	Distance Protection
karad -kolhapur-II	IntraState	11/04/2020	17.29	12/04/2020	11.19	T	Distance Protection.
karad -kolhapur-I	IntraState	12/04/2020	18.25		Continued.	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	13/04/2020	17.04		Continued.	HT	Over Voltage
Babhaleshtar - Padghe-I	IntraState	13/04/2020	17.21		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.
400/220/33 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.
400/220/33kv 500MVA ICT 5 @ Padghe	IntraState	25/03/2020	16.32		Continued.	HT	Outage availed for maint. work and ICT out LV side.
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.
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
Dhule - Dondaicha Ckt	IntraState	12/04/2020	14.12	12/04/2020	16.25	T	Distance Protection
Nandedcity-Parvati	IntraState	13/04/2020	12.43	13/04/2020	12.58	T	Distance Protection
Mudshingi-Wathar	IntraState	13/04/2020	16.07	13/04/2020	16.47	T	Distance Protection
Karad(400kv) - Wathar	IntraState	13/04/2020	16.07	13/04/2020	16.47	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 12/Apr/2020

Statement-VII

Position as on 6.30 Hrs of 13/Apr/2020

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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