

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 19/Jul/2020 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	120.004	1974.479	1) Gujrat	5.309	84.730
2) Hydro	6.122	152.723	2) Madhya Pradesh	12.128	205.278
3) Gas	2.722	54.717	3) Chattisgarh	5.080	101.450
Total MSPGCL	128.848	2181.919	4) Maharashtra	110.371	2163.302
B) 1) APML	29.522	488.718	5) Goa (Amona)	0.000	-2.222
2) JSWEL	17.621	320.494	Total	132.888	2552.538
3) VIPL	0.000	0.000	a) Mumbai Schedule	24.615	480.144
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	25.654	465.220
5) WPCL	8.353	128.005	c) MSEDCL Bilateral *	39.579	629.247
6) Other IPP	7.268	132.921	Include PX	2.561	106.232
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	24.615	480.144
C) 1) TPCL Thermal	6.019	143.443	Include PX	16.462	317.555
2) TPCL Hydro	1.938	86.079	Standby	0.000	0.000
3) TPCL Gas	3.111	66.357	H) ENERGY CATERED (MUs)		
4) AEML Thermal	5.084	92.874	1) MSEDCL	325.633	6070.595
D) STATE			2) Mumbai Discoms	41.806	853.973
1) Thermal	193.871	3280.934	TOTAL STATE	367.439	6924.568
(A1+C1+C4+(B1-B6))					
2) Hydro	8.060	238.802			
(A2+C2)					
3) Gas	5.833	121.074			
(A3+B7+C3)					
4) Wind	20.513	627.951			
6) SOLAR	6.274	103.269			
TOTAL STATE	234.551	4372.030			

* 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 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	5078	5067	4895	4820
MSPGCL Hydro	575	189	361	64
MSPGCL Gas	112	112	114	116
MSPGCL Total Generation	5765	5368	5370	5000
Central Sector Receipt	6229	6181	5878	4590
WIND	541	487	968	1090
CPP / IPP Thermal	2657	2704	2489	2478
CPP / IPP Gas	0	0	0	0
SOLAR	790	812	0	0
Exchange with Mumbai	-1186	-1192	-1009	-1021
MSEDCL DEMAND MET	14796	14360	13696	12137
Load Shedding	0	0	0	0
MSEDCL DEMAND	14796	14360	13696	12137
TPCL GENERATION	404	392	648	346
AEML GENERATION	238	252	189	189
MUMBAI DEMAND	1828	1836	1846	1556
STATE DEMAND MET	16624	16196	15542	13693
STATE DEMAND	16624	16196	15542	13693
Frequency (Hz)	50.00	50.01	49.98	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.15 Hz at 13.01 Hrs	49.88 Hz at 00.10 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 19/Jul/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	11.18	51.73	492	450
Unit 9	8.58	200.72	440	284
Unit 10	8.18	186.62	400	295
Total	27.93	439.07		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	9.90	30.33	500	360
Unit 5	0.00	0.00	0	0
Total	9.90	30.33		
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	57.23	0	0
Unit 4	3.79	69.39	160	155
Unit 5	8.98	168.10	400	344
Unit 6	8.77	150.67	395	318
Unit 7	9.45	169.40	418	360
Unit 8	9.27	180.84	445	360
Unit 9	9.94	153.35	460	345
Total	50.22	948.98		
Paras				
Unit 3	4.41	86.60	222	164
Unit 4	4.57	89.29	215	170
Total	8.98	175.90		
Khaparkheda				
Unit 1	3.60	66.54	165	130
Unit 2	0.00	0.00	0	0
Unit 3	4.39	73.84	195	147
Unit 4	4.15	77.72	185	160
Unit 5	10.84	162.10	474	425
Total	22.98	380.20		
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	2.72	54.72	116	103
Total	2.72	54.72		
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)	0.30	4.80	53	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.30	4.80		
Koyna				
Stage 1-2	1.46	54.92	375	15
Stage 4	1.86	31.34	422	0
Stage 3	1.65	30.16	240	0
Total	4.97	116.42		
Hydro				
KDPH	0.00	12.81	0	0
VTRNA	0.00	0.00	0	0
TILLARI	0.00	9.00	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.43	7.03	40	0
RNGR+BHTSA	0.00	0.63	0	0
BHANDARDRA	0.03	0.72	12	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.68	6.12	29	28
GHATGHAR	0.00	0.00	0	0
Total	1.15	36.30		
Wind				
Total	20.51	627.95	0	0
Total	20.51	627.95		
CPP				
APML(Mus)	29.52	488.72	0	0
JSWEL(Mus)	17.62	320.49	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	8.35	128.00	0	0
Other(Mus)	7.27	132.92	0	0
Total	62.76	1070.14		
SOLAR				
Total	6.27	103.27	0	0
Total	6.27	103.27		
Tata				
Trombay 5	6.02	143.44	325	203
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.83	40.62	79	75
Trombay 7B	1.28	25.74	54	53
Trombay 8	0.00	0.00	0	0
TATA Hydro	1.94	86.08	271	0
Total	11.07	295.88		
AEML				
DTPS U-1&2	5.08	92.87	252	188
Total	5.08	92.87		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	120.00	1974.48	MSPGCL Total	128.85	2181.92
			MSPGCL Thml+Gas	122.73	2029.20	Koyna 1,2 & 4 Total	3.32	86.26
			MSPGCL Hydro	6.12	152.72	State Total	234.55	4372.03

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 19/Jul/2020

Annexure-2

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	4978	64	115	5157	1020	2807	0	0	4847	4708	-993	12699	0	12699	1780	14479	49.98
2	4959	59	116	5134	1112	2703	0	0	4782	4538	-998	12489	0	12489	1681	14170	49.98
3	4799	64	115	4978	1074	2544	0	0	4798	4622	-1039	12179	0	12179	1600	13779	49.99
4	4820	64	116	5000	1090	2478	0	0	4735	4590	-1021	12137	0	12137	1556	13693	49.99
5	4996	69	115	5180	1075	2522	0	0	4866	4875	-1012	12640	0	12640	1534	14174	50.04
6	5125	265	116	5506	810	2660	0	0	5125	5170	-967	13179	0	13179	1547	14726	49.99
7	5306	556	116	5978	567	2660	0	37	5670	5759	-875	14126	0	14126	1544	15670	50.04
8	5299	588	115	6002	515	2661	0	209	6089	6125	-872	14640	0	14640	1583	16223	50.00
9	5245	370	115	5730	594	2656	0	394	6136	6228	-969	14633	0	14633	1662	16295	50.04
10	5164	189	114	5467	673	2680	0	632	6227	6116	-1095	14473	0	14473	1742	16215	50.04
11	5026	165	103	5294	614	2660	0	688	6255	6376	-1199	14433	0	14433	1803	16236	50.02
12	5078	575	112	5765	541	2657	0	790	6098	6229	-1186	14796	0	14796	1828	16624	50.00
13	5067	189	112	5368	487	2704	0	812	6455	6181	-1192	14360	0	14360	1836	16196	50.01
14	4975	103	112	5190	628	2629	0	806	6497	6177	-1231	14199	0	14199	1813	16012	50.06
15	4916	148	111	5175	714	2572	0	674	6269	6107	-1213	14029	0	14029	1788	15817	50.04
16	4821	153	112	5086	994	2623	0	563	6205	5929	-1158	14037	0	14037	1756	15793	50.05
17	4750	188	112	5050	1326	2559	0	408	5707	5679	-1113	13909	0	13909	1721	15630	50.02
18	4732	199	112	5043	1427	2432	0	207	5470	5290	-1083	13316	0	13316	1705	15021	50.02
19	4746	211	112	5069	1283	2350	0	54	5416	5271	-1041	12986	0	12986	1721	14707	50.00
20	4895	361	114	5370	968	2489	0	0	5577	5878	-1009	13696	0	13696	1846	15542	49.98
21	5060	892	114	6066	835	2644	0	0	5033	5033	-1006	13572	0	13572	1918	15490	49.99
22	5202	386	114	5702	764	2786	0	0	4889	5103	-991	13364	0	13364	1941	15305	50.02
23	5100	195	114	5409	723	2653	0	0	5306	5464	-1158	13091	0	13091	1955	15046	50.03
24	4945	69	115	5129	679	2635	0	0	5105	5440	-1233	12650	0	12650	1946	14596	50.01
MUs	120.00	6.12	2.72	128.85	20.51	62.76	0.00	6.27	133.56	132.89	-25.65	325.63	0.00	325.63	41.81	367.44	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 19/Jul/2020

Position as on 6.30 Hrs of 20/Jul/2020

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Koyna Unit 3	70	16/07/2020	08.55		Continued.	Service Seal Leakage	
MSPGCL	Koyna Unit 4	70	16/07/2020	11.05		Continued.	Service Seal Leakage	
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	
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	Nasik Unit 4	210	25/03/2020	19.45		Continued.	Reserve Shut Down.(Converted zero schedule from 25.03.2020)	
MSPGCL	Uran Unit 5	108	06/04/2020	13.23		Continued.	Gas shortage	
TPC_G	Trombay 8	250	11/04/2020	16.55		Continued.	Zero Schedule.	
IPP	JSW (J) U3	300	30/04/2020	15.13		Continued.	No Schedule	
MSPGCL	Parli Unit 7	250	12/05/2020	19.34		Continued.	Zero Schedule.	
MSPGCL	Uran Unit B0	120	25/05/2020	12.51		Continued.	Turbine Blade Failure	
MSPGCL	Uran Unit 7	108	25/05/2020	12.51		Continued.	Turbine Blade Failure	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 19/Jul/2020

Position as on 6.30 Hrs of 20/Jul/2020

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Bhusawal Unit 5	500	01/06/2020	12.21		Continued.	Zero schedule By MSEDCL	
MSPGCL	Parli Unit 8	250	01/06/2020	13.13		Continued.	Zero schedule By MSEDCL	
IPP	Adani U-1	660	03/06/2020	15.02		Continued.	Converted zero schedule from 03.06.2020	
IPP	Adani U-5	660	04/06/2020	12.29		Continued.	Zero Schedule.	
IPP	Adani U-4	660	12/06/2020	10.30		Continued.	Zero Schedule	
MSPGCL	Khaparkheda Unit 2	210	24/06/2020	11.34		Continued.	Generator Earth Fault	
AEML	AEML Unit 1	250	27/06/2020	23.55		Continued.	Zero schedule.	
MSPGCL	Chandrapur Unit 3	210	18/07/2020	12.15		Continued.	PA Fan problem	
MSPGCL	Khaparkheda Unit 3	210	19/07/2020	23.48		Continued.	Drum Level Very Low Protection Alaram.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Jul/2020

Statement-VII

Position as on 6.30 Hrs of 20/Jul/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	18/07/2020	18.58		Continued.	HT	Over Voltage
BABHALESHWAR - RPL(NASHIK) CKT - 1	IntraState	11/06/2020	10.40		Continued.	HT	Over Voltage
Dhule - Bableshwar - II	IntraState	09/07/2020	21.01		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	10/07/2020	17.11		Continued.	HT	Over Voltage
Padghe - Nagothane - II	IntraState	13/07/2020	22.23		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	14/07/2020	16.13		Continued.	HT	Over Voltage
karad -kolhapur-I	IntraState	15/07/2020	19.17		Continued.	HT	Over Voltage
Padghe - Kalwa- I	IntraState	18/07/2020	20.55		Continued.	HT	Over Voltage
Babhaleshwar - Padghe-I	IntraState	18/07/2020	22.14		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	18/07/2020	23.11	19/07/2020	09.41	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	20/07/2020	00.18		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.
400/220kv 315 Mva ICT II @Karad	IntraState	13/07/2020	09.14	19/07/2020	23.45	PO	Modification in wiring with respect to RRS scheme
400/220kv 315MVA ICT-III @ Kharghar	IntraState	17/07/2020	11.16		Continued.	EO	For Replacement of faulty cable from FCC To PRV 1 & 2 & RRR.
400/220/33kv 315mva Ict3 @Lonikand	IntraState	18/07/2020	16.43	19/07/2020	00.53	EO	DC Leakages Attending work.
400/220kv 315 Mva ICT III @Karad	IntraState	18/07/2020	21.40	19/07/2020	07.01	T	HV side LA burst.
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)
Tillari Amona	InterState	18/07/2020	20.58	19/07/2020	13.32	T	Distance Protection
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To Control Line Loading(H/T from Boisar end)
SAKI (REL) - SAKI (TATA) CKT - 2	IntraState	19/07/2020	10.40	19/07/2020	14.44	PO	LLBU testing,M1 & M2 protection trials.
Talegaon (Ambi)-General Motors	IntraState	19/07/2020	10.45	19/07/2020	16.45	PO	Half yearly maintenance work
Kandalgaon - Koyna (Pophali)	IntraState	19/07/2020	17.40	19/07/2020	20.05	T	Bus section 1 operated at pophali.
Pedambe-Pophali	IntraState	19/07/2020	17.40	19/07/2020	19.35	T	Bus section 1 operated at pophali.
Koyna (Pophali) - Kdph	IntraState	19/07/2020	17.40	19/07/2020	23.10	T	Bus section 1 operated at pophali.
Bapgaon - Kalwa	IntraState	19/07/2020	18.32	19/07/2020	22.23	T	Rphase LA decapped at Bapgaon end.
Sawantwadi-Bidri	IntraState	19/07/2020	22.10		Continued.	HT	Over Voltage
220 KV ICT Outages/Trippings							
220/33 KV 50MVA T/F-I @ Bridgestone	IntraState	19/07/2020	07.58	19/07/2020	18.05	PO	Yearly maintenance, diagnostic testing, annul relay testing and TF OLTC.

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