

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 21/Jul/2020 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	118.841	2211.906	1) Gujrat	7.194	98.763
2) Hydro	9.507	171.703	2) Madhya Pradesh	17.446	238.294
3) Gas	2.736	60.169	3) Chattisgarh	5.600	112.760
Total MSPGCL	131.084	2443.778	4) Maharashtra	129.362	2414.402
B) 1) APLM	30.328	549.153	5) Goa (Amona)	0.000	-2.222
2) JSWEL	17.781	355.822	Total	159.602	2861.997
3) VIPL	0.000	0.000	a) Mumbai Schedule	29.901	537.649
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	28.890	521.512
5) WPCL	8.942	145.468	c) MSEDCL Bilateral *	50.552	731.879
6) Other IPP	7.649	148.216	Include PX	23.595	145.187
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	29.901	537.649
C) 1) TPCL Thermal	8.666	160.472	Include PX	22.046	357.920
2) TPCL Hydro	2.025	91.445	Standby	0.000	0.000
3) TPCL Gas	3.654	73.297	H) ENERGY CATERED (MUs)		
4) AEML Thermal	5.255	103.485	1) MSEDCL	337.624	6742.613
D) STATE			2) Mumbai Discoms	48.490	950.211
1) Thermal	197.462	3674.522	TOTAL STATE	386.114	7692.824
(A1+C1+C4+(B1-B6))					
2) Hydro	11.532	263.148			
(A2+C2)					
3) Gas	6.390	133.466			
(A3+B7+C3)					
4) Wind	5.216	644.641			
6) SOLAR	5.912	115.050			
TOTAL STATE	226.512	4830.827			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 11 Hrs	B. Day Peak at 16 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	4976	4973	4900	4988
MSPGCL Hydro	93	284	1492	123
MSPGCL Gas	113	112	114	115
MSPGCL Total Generation	5182	5369	6506	5226
Central Sector Receipt	8088	7534	5986	5333
WIND	144	224	407	191
CPP / IPP Thermal	2694	2747	2721	2661
CPP / IPP Gas	0	0	0	0
SOLAR	694	531	0	0
Exchange with Mumbai	-1605	-1369	-880	-1071
MSEDCL DEMAND MET	15197	15036	14740	12340
Load Shedding	0	0	0	0
MSEDCL DEMAND	15197	15036	14740	12340
TPCL GENERATION	493	636	946	426
AEML GENERATION	190	252	252	189
MUMBAI DEMAND	2288	2257	2078	1686
STATE DEMAND MET	17485	17293	16818	14026
STATE DEMAND	17485	17293	16818	14026
Frequency (Hz)	50.01	50.01	49.92	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 13.03 Hrs	49.74 Hz at 22.11 Hrs	49.99	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 21/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	12.21	75.18	552	434
Unit 9	11.19	222.32	530	405
Unit 10	8.74	204.02	420	300
Total	32.14	501.53		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	10.10	50.67	465	360
Unit 5	0.00	0.00	0	0
Total	10.10	50.67		
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	3.76	76.58	160	155
Unit 5	8.41	185.01	365	330
Unit 6	9.11	168.96	405	365
Unit 7	8.77	187.90	400	321
Unit 8	9.46	199.77	430	355
Unit 9	9.49	172.71	425	373
Total	49.01	1048.16		
Paras				
Unit 3	5.37	96.51	244	200
Unit 4	5.36	99.14	239	187
Total	10.73	195.64		
Khaparkheda				
Unit 1	3.56	74.08	170	125
Unit 2	0.00	0.00	0	0
Unit 3	0.00	73.84	0	0
Unit 4	4.25	86.17	190	155
Unit 5	9.04	181.81	430	300
Total	16.86	415.90		
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	2.74	60.17	116	112
Total	2.74	60.17		
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)	0.37	5.30	40	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.37	5.30		
Koyna				
Stage 1-2	3.40	61.36	390	30
Stage 4	3.33	38.21	846	0
Stage 3	2.13	34.03	320	0
Total	8.86	133.60		
Hydro				
KDPH	0.00	12.81	0	0
VTRNA	0.00	0.00	0	0
TILLARI	0.00	9.23	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.33	7.70	40	0
RNGR+BHTSA	0.00	0.63	0	0
BHANDARDRA	0.00	0.72	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.32	7.03	14	13
GHATGHAR	0.00	0.00	0	0
Total	0.65	38.10		
Wind				
Total	5.22	644.64	0	0
Total	5.22	644.64		
CPP				
APML(Mus)	30.33	549.15	0	0
JSWEL(Mus)	17.78	355.82	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	8.94	145.47	0	0
Other(Mus)	7.65	148.22	0	0
Total	64.70	1198.66		
SOLAR				
Total	5.91	115.05	0	0
Total	5.91	115.05		
Tata				
Trombay 5	8.67	160.47	459	303
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.26	44.85	118	66
Trombay 7B	1.40	28.45	66	51
Trombay 8	0.00	0.00	0	0
TATA Hydro	2.02	91.44	322	0
Total	14.34	325.21		
AEML				
DTPS U-1&2	5.26	103.48	253	188
Total	5.26	103.48		

* Infirm Power		
Particulars	Daily (Mus)	Monthly

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	118.84	2211.91
MSPGCL Thml+Gas	121.58	2272.08
MSPGCL Hydro	9.51	171.70

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	131.08	2443.78
Koyna 1,2 & 4 Total	6.72	99.57
State Total	226.51	4830.83

State Load Despatch Center, Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 21/Jul/2020

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDING	MSEDCL DEM. WITH LS	MUMBAI DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS										
1	4961	167	115	5243	231	2692	0	0	5978	6061	-1184	13043	0	13043	1969	15012	50.03
2	4800	228	115	5143	202	2676	0	0	5772	5501	-1193	12329	0	12329	1840	14169	50.02
3	4959	163	115	5237	212	2693	0	0	5649	5246	-1075	12313	0	12313	1756	14069	49.99
4	4988	123	115	5226	191	2661	0	0	5619	5333	-1071	12340	0	12340	1686	14026	49.99
5	4973	128	115	5216	174	2672	0	0	5709	5754	-1026	12790	0	12790	1640	14430	49.99
6	5109	128	116	5353	138	2681	0	0	6198	6543	-1042	13673	0	13673	1659	15332	50.02
7	5127	173	116	5416	113	2673	0	39	7089	7137	-900	14478	0	14478	1654	16132	49.95
8	5070	122	115	5307	86	2693	0	167	7743	7988	-999	15242	0	15242	1746	16988	49.97
9	4939	208	115	5262	119	2697	0	356	7798	7747	-1226	14955	0	14955	1933	16888	49.99
10	4973	223	114	5310	108	2685	0	526	7899	7952	-1448	15133	0	15133	2146	17279	50.04
11	4976	93	113	5182	144	2694	0	694	7975	8088	-1605	15197	0	15197	2288	17485	50.01
12	5074	88	112	5274	143	2623	0	774	7896	7827	-1603	15038	0	15038	2349	17387	49.96
13	4948	93	113	5154	197	2608	0	759	7739	7476	-1579	14615	0	14615	2330	16945	50.00
14	4808	43	112	4963	250	2627	0	759	7403	7666	-1561	14704	0	14704	2274	16978	50.07
15	4922	99	112	5133	195	2759	0	679	7244	7358	-1524	14600	0	14600	2264	16864	50.00
16	4973	284	112	5369	224	2747	0	531	7225	7534	-1369	15036	0	15036	2257	17293	50.01
17	4974	514	112	5600	223	2747	0	394	6953	6639	-1117	14486	0	14486	2180	16666	49.95
18	4985	360	113	5458	337	2725	0	196	6697	6580	-1129	14167	0	14167	2085	16252	49.97
19	4905	284	113	5302	365	2720	0	38	6190	6216	-1111	13530	0	13530	2027	15557	49.95
20	4900	1492	114	6506	407	2721	0	0	5590	5986	-880	14740	0	14740	2078	16818	49.92
21	4866	1376	114	6356	410	2735	0	0	5677	5487	-938	14050	0	14050	2089	16139	50.00
22	4886	1210	114	6210	335	2708	0	0	5578	5578	-947	13884	0	13884	2053	15937	49.95
23	4874	1115	115	6104	232	2721	0	0	5653	5853	-1172	13738	0	13738	2096	15834	49.96
24	4851	793	116	5760	180	2742	0	0	5943	6052	-1191	13543	0	13543	2091	15634	50.01
MUs	118.84	9.51	2.74	131.08	5.22	64.70	0.00	5.91	159.22	159.60	-28.89	337.62	0.00	337.62	48.49	386.11	49.99

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 21/Jul/2020

Position as on 6.30 Hrs of 22/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 21/Jul/2020

Position as on 6.30 Hrs of 22/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 Alarm.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Jul/2020

Statement-VII

Position as on 6.30 Hrs of 22/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.	Line Converted As 220 Kv Solapur (PG)- Jeur From LOC 403
Dhule Sar'Sarovar I	InterState	18/07/2020	18.58			Continued.	Over Voltage
BABHALESHWAR - RPL(NASHIK) CKT - 1	IntraState	11/06/2020	10.40			Continued.	Over Voltage
Dhule - Bableshwar - II	IntraState	09/07/2020	21.01			Continued.	Over Voltage
Bhusawal-Aurangabad	IntraState	10/07/2020	17.11			Continued.	Over Voltage
Padghe - Nagothane - II	IntraState	13/07/2020	22.23			Continued.	Over Voltage
Karad - Jaigad - II	IntraState	14/07/2020	16.13			Continued.	Over Voltage
Babhaleshwar - Padghe-I	IntraState	18/07/2020	22.14	21/07/2020	09.08	HT	Over Voltage
Padghe - Kalwa- I	IntraState	20/07/2020	22.41	21/07/2020	08.15	HT	Over Voltage
Chandrapur II - Chandrapur ckt I	IntraState	21/07/2020	09.21	21/07/2020	17.50	PO	1)For measurement of Tan delta & Capacitance of CT's 2)Measurement of Timing, Contact Resistance and DCRM of CB.
Warora -IEPL	IntraState	21/07/2020	09.56	21/07/2020	16.56	PO	Routine Maintenance Work
Padghe - Kalwa- I	IntraState	22/07/2020	02.57	22/07/2020	07.23	T	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33 Kv 315 Mva ICT 1 @Padghe	IntraState	15/11/2018	10.07			Continued.	Differential Protection,Declared Faulty.
400/220/33 Kv 500 MVA ICT-III @Parali (Girwali)	IntraState	21/07/2020	10.25	21/07/2020	20.14	PO	complete unit testing and bay maintenance.
220 KV LINE Outages/Trippings							
Mudshingi Chikodi	InterState	24/09/2019	17.12			Continued.	No Schedule.
Talandage - Chikodi	InterState	01/10/2019	17.10			Continued.	No Schedule.(close at Chikodi end only)
PARLY (PG) - OLD GCR PARLI	InterState	21/07/2020	18.28	21/07/2020	19.40	T	Distance Protection
BOISAR BORIVALI	IntraState	24/07/2018	13.18			Continued.	To Control Line Loading(H/T from Boisar end)
Sawantwadi-Bidri	IntraState	20/07/2020	20.14	21/07/2020	11.10	HT	Over Voltage
New Koyna - Pedambe	IntraState	21/07/2020	08.58	22/07/2020	00.01	PO	Outage on 220KV Main Bus II for attending oil leakage of Y Ph Bus PT.
Peth- Mudshingi -I	IntraState	21/07/2020	10.05	21/07/2020	12.57	PO	CT Oil leakage attending work Q.M work.
Wani-Warora	IntraState	21/07/2020	10.08	21/07/2020	16.14	PO	Routine Maintenance Work
Bableshwar- Bableshwar-II	IntraState	22/07/2020	05.55	22/07/2020	06.54	T	Distance Protection
220 KV ICT Outages/Trippings							
220/33kV 125 MVA T/F-III @ Goregaon	IntraState	21/07/2020	11.04	21/07/2020	16.59	EO	Off line Tan Delta Measurement of B phase LV Bushing.

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