

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 19/Jul/2021 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	94.366	2061.408	1) Gujrat	-4.734	-127.616
2) Hydro	9.254	261.838	2) Madhya Pradesh	5.919	113.205
3) Gas	5.862	95.691	3) Chattisgarh	3.000	76.440
Total MSPGCL	109.482	2418.937	4) Maharashtra	132.982	2759.204
B) 1) APLM	51.468	1248.939	5) Goa (Amona)	-0.978	-12.624
2) JSWEL	13.350	347.047	Total	136.189	2808.609
3) VIPL	0.000	0.000	a) Mumbai Schedule	25.330	553.042
4) RPL(AMT)	14.620	468.784	b) Mumbai Drawl	29.400	564.425
5) SWPGPL	6.013	112.970	c) MSEDCL Bilateral *	28.331	682.108
6) Other IPP	5.928	137.425	Include PX	2.856	126.215
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	25.330	550.285
C) 1) TPCL Thermal	10.044	218.838	Include PX	9.967	259.326
2) TPCL Hydro	3.055	87.123	Standby	0.000	2.756
3) TPCL Gas	2.592	46.230	H) ENERGY CATERED (MUs)		
4) AEML Thermal	6.844	123.564	1) MSEDCL	366.260	7603.429
D) STATE			2) Mumbai Discoms	51.935	1040.180
1) Thermal	202.633	4718.975	TOTAL STATE	418.195	8643.609
(A1+C1+C4+(B1-B6))					
2) Hydro	12.309	348.961			
(A2+C2)					
3) Gas	8.454	141.921			
(A3+B7+C3)					
4) Wind	53.214	511.288			
6) SOLAR	5.396	113.855			
TOTAL STATE	282.006	5835.000			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 10 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	4158	3802	4126	3775
MSPGCL Hydro	295	364	460	342
MSPGCL Gas	251	237	247	241
MSPGCL Total Generation	4704	4403	4833	4358
Central Sector Receipt	6423	6577	5361	4796
WIND	2299	2243	2463	1977
CPP / IPP Thermal	4276	3400	4444	3401
CPP / IPP Gas	0	0	0	0
SOLAR	508	801	0	0
Exchange with Mumbai	-1590	-1640	-1172	-864
MSEDCL DEMAND MET	16620	15784	15929	13668
Load Shedding	0	0	0	0
MSEDCL DEMAND	16620	15784	15929	13668
TPCL GENERATION	615	718	799	555
AEML GENERATION	285	286	285	285
MUMBAI DEMAND	2490	2644	2256	1704
STATE DEMAND MET	19110	18428	18185	15372
STATE DEMAND	19110	18428	18185	15372
Frequency (Hz)	50.00	50.02	49.99	50.04

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.21 Hz at 00:04 Hrs	49.79 Hz at 18:52 Hrs	50.02	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/2021

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	8.63	182.41	375	311
Unit 9	8.66	130.57	376	344
Unit 10	8.84	139.47	390	340
Total	26.13	452.44		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	7.07	151.25	350	280
Unit 5	7.14	149.72	355	280
Total	14.22	300.97		
Parli				
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Unit 8	0.00	22.08	0	0
Total	0.00	22.08		
Chandrapur				
Unit 3	3.04	62.32	147	121
Unit 4	3.08	46.72	175	116
Unit 5	7.14	146.09	375	274
Unit 6	7.09	138.98	370	264
Unit 7	6.97	40.36	317	276
Unit 8	7.45	188.28	400	270
Unit 9	0.00	138.21	0	0
Total	34.77	760.94		
Paras				
Unit 3	3.74	83.86	165	142
Unit 4	3.80	53.40	174	148
Total	7.54	137.26		
Khaparkheda				
Unit 1	0.00	7.76	0	0
Unit 2	0.00	35.70	0	0
Unit 3	0.00	41.57	0	0
Unit 4	0.00	42.26	0	0
Unit 5	8.57	196.46	500	280
Total	8.57	323.74		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	14.10	0	0
Unit 5	3.13	49.87	134	126
Total	3.13	63.97		
Uran				
All Units	5.86	95.69	263	225
Total	5.86	95.69		
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)	0.07	3.90	25	0
Total	0.07	3.90		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	1.76	55.80	285	40
Stage 4	0.00	64.12	0	0
Stage 3	1.77	37.80	160	0
Total	3.53	157.71		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.45	0.45	60	0
TILLARI	0.00	1.16	0	0
BHIRA T.R.	0.44	7.92	40	0
SMLHY_PTN	4.83	91.92	212	191
GHATGHAR	0.00	2.68	0	0
Total	5.73	104.13		
Wind				
Total	53.21	511.29	0	0
Total	53.21	511.29		
CPP				
APML(Mus)	51.47	1248.94	0	0
JSWEL(Mus)	13.35	347.05	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	14.62	468.78	0	0
SWPGPL-Mus	6.01	112.97	0	0
Other(Mus)	5.93	137.42	0	0
Total	91.38	2315.16		
SOLAR				
Total	5.40	113.86	0	0
Total	5.40	113.86		
Tata				
Trombay 5	6.74	173.30	285	278
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.44	25.56	60	60
Trombay 7B	1.15	20.67	48	48
Trombay 8	3.31	45.54	140	134
TATA Hydro	3.06	87.12	291	0
Total	15.69	352.19		
AEMIL				
DTPS U-1&2	6.84	123.56	286	284
Total	6.84	123.56		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	94.37	2061.41	MSPGCL Total	109.48	2418.94
			MSPGCL Thml+Gas	100.23	2157.10	Koyna 1,2 & 4 Total	1.76	119.91
			MSPGCL Hydro	9.25	261.84	State Total	282.01	5835.00

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 19/Jul/2021

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	3870	336	251	4457	2034	3750	0	0	5259	5037	-1028	14250	0	14250	1886	16136	50.07
2	3782	331	250	4363	2019	3433	0	0	4937	5105	-932	13988	0	13988	1778	15766	50.03
3	3775	342	241	4358	1977	3401	0	0	4805	4796	-864	13668	0	13668	1704	15372	50.04
4	3753	427	253	4433	1980	3464	0	0	4773	5014	-841	14050	0	14050	1656	15706	50.09
5	3874	352	247	4473	1818	3740	0	0	4911	5270	-854	14447	0	14447	1665	16112	50.05
6	4268	253	253	4774	1770	4336	0	0	5327	5259	-907	15232	0	15232	1730	16962	50.02
7	4270	251	242	4763	1788	4771	0	29	6200	5494	-948	15897	0	15897	1810	17707	50.05
8	4046	241	263	4550	1793	4508	0	159	6370	6549	-1102	16457	0	16457	1984	18441	50.05
9	4310	326	241	4877	2099	4467	0	361	6275	6235	-1346	16693	0	16693	2227	18920	50.03
10	4158	295	251	4704	2299	4276	0	508	6807	6423	-1590	16620	0	16620	2490	19110	50.00
11	3881	361	242	4484	2400	4009	0	620	6949	6435	-1684	16264	0	16264	2649	18913	50.06
12	3818	367	248	4433	2288	3572	0	648	6862	6677	-1628	15990	0	15990	2695	18685	50.03
13	3802	364	237	4403	2243	3400	0	801	6576	6577	-1640	15784	0	15784	2644	18428	50.02
14	3803	410	247	4460	2066	3378	0	641	6149	6333	-1585	15293	0	15293	2526	17819	50.00
15	3801	408	236	4445	2143	3381	0	654	6320	6200	-1570	15253	0	15253	2479	17732	49.95
16	3844	422	250	4516	2341	3397	0	513	6465	5836	-1510	15093	0	15093	2424	17517	50.01
17	3798	428	238	4464	2541	3388	0	304	6183	5766	-1438	15025	0	15025	2347	17372	49.98
18	3747	669	246	4662	2400	3420	0	135	5541	5498	-1292	14823	0	14823	2293	17116	49.93
19	3988	553	225	4766	2480	3933	0	23	5306	5302	-1266	15238	0	15238	2258	17496	49.92
20	4126	460	247	4833	2463	4444	0	0	5721	5361	-1172	15929	0	15929	2256	18185	49.99
21	4143	467	235	4845	2526	4197	0	0	5589	5301	-1092	15777	0	15777	2191	17968	50.01
22	3878	460	236	4574	2628	3867	0	0	5505	5171	-1025	15215	0	15215	2125	17340	50.06
23	3854	404	246	4504	2627	3513	0	0	5366	5307	-1033	14918	0	14918	2080	16998	50.02
24	3777	327	237	4341	2491	3333	0	0	5296	5243	-1053	14355	0	14355	2038	16393	50.03
MUs	94.37	9.25	5.86	109.48	53.21	91.38	0.00	5.40	139.49	136.19	-29.40	366.26	0.00	366.26	51.93	418.19	50.02

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/2021

Position as on 6.30 Hrs of 20/Jul/2021

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
IPP	JSW (J) U3	300	09/07/2021	12.12		Continued.	Annual Overhaul	
IPP	RPL(AMT) U-3	270	15/07/2021	00.00		Continued.	Annual Overhaul	
MSPGCL	Chandrapur Unit 9	500	15/07/2021	02.00		Continued.	Annual Overhaul	
FORCED OUTAGE								
IPP	SWPGPL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule (NO PPA)	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule.(NO PPA)	
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. (NO PPA From 20.05.2019)	
IPP	VIPL U-2	300	17/01/2019	00.15		Continued.	Coal shortage.(NO PPA From 20.05.2019)	
MSPGCL	Uran Unit 7	108	25/05/2020	12.51		Continued.	Turbine Blade Failure	
MSPGCL	Nasik Unit 3	210	03/12/2020	06.45		Continued.	PA Fan Problem (Under Case 4 Bidding From 11.00Hrs DT. 21-01-2021).	
MSPGCL	Koradi Unit 6	210	27/04/2021	19.59		Continued.	Zero Schedule.	
MSPGCL	Koradi Unit 7	210	27/04/2021	20.03		Continued.	Zero Schedule.	
MSPGCL	Parli Unit 6	250	04/05/2021	20.00		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Parli Unit 7	250	05/05/2021	19.00		Continued.	Zero Schedule.	
MSPGCL	Bhusawal Unit 3	210	08/06/2021	00.34		Continued.	Zero Schedule.	
MSPGCL	Uran Unit 6	108	29/06/2021	22.18		Continued.	Gas shortage	
MSPGCL	Nasik Unit 4	210	04/07/2021	11.03		Continued.	Boiler Tube Leakage(Converted into to Zero Schedule from 20.00Hrs DT.06-07-2021)	
MSPGCL	Parli Unit 8	250	12/07/2021	18.00		Continued.	Zero Schedule.	
MSPGCL	Khaparkhedha Unit 1	210	15/07/2021	23.57		Continued.	Zero schedule	
MSPGCL	Khaparkhedha Unit 2	210	16/07/2021	00.12		Continued.	Zero schedule	
MSPGCL	Khaparkhedha Unit 3	210	16/07/2021	00.29		Continued.	Zero schedule	
MSPGCL	Khaparkhedha Unit 4	210	16/07/2021	02.00		Continued.	Zero schedule	
IPP	JSW (J) U4	300	16/07/2021	17.44		Continued.	Air Preheater problem.	
IPP	SWPGPL U-4	135	19/07/2021	23.45		Continued.	Zero schedule.	
IPP	SWPGPL U-2	135	19/07/2021	23.51		Continued.	Zero schedule.	
MSPGCL	Paras Unit 3	250	20/07/2021	00.35		Continued.	Annual Overhaul	
MSPGCL	Chandrapur Unit 5	500	20/07/2021	01.48	20/07/2021	07.14	Tripped on Electrical protection.	
TPC-G	Bhira PSU	150	20/07/2021	10.50	20/07/2021	11.20	Tripped due to coupling water shaft spill strainer chocked and synchronised.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Jul/2021

Statement-VII

Position as on 6.30 Hrs of 20/Jul/2021

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
Girwali - Lonikand 1	IntraState	14/07/2021	09.29		Continued.	PO	Dismantling / De-stringning, tower erection and stringing work between span 258-259 for LILO arrangement to proposed 400kv karjat station.
Khadka-Aurangabad (Waluj)	IntraState	18/07/2021	18.02		Continued.	HT	Over Voltage
Girwali-Solapur (Lamboti)	IntraState	18/07/2021	21.21	19/07/2021	08.58	T	Distance Protection
Chandrapur - Parli	IntraState	20/07/2021	02.12		Continued.	T	Over Voltage
Alkud-Kolhapur(Talandage)	IntraState	20/07/2021	09.56	20/07/2021	13.02	PO	Quarterly maintenance & Diagnostic testing Work
Girwali - Lonikand 1	IntraState	20/07/2021	10.38	20/07/2021	17.58	PO	Tightening of all nut bolt joints & isolator maintenance
400 KV ICT Outages/Trippings							
400/220kv 315 MVA ICT I @ KOLHAPUR-III (TALANDGE)	IntraState	10/08/2020	09.58		Continued.	PO	Replacement of existing 315 MVA ICT by 3*167 MVA ICT.
400/220/33 Kv 315 MVA ICT-I @Aurangabad (Waluj)	IntraState	19/07/2021	11.02	20/07/2021	18.44	PO	Overhauling Of PG Isolator Work.
400/220 Kv 500 MVA ICT-I @Kalwa	IntraState	20/07/2021	10.19	20/07/2021	23.47	T	Differential protection
220 KV LINE Outages/Trippings							
Mudshingi Chikodi	InterState	24/09/2019	17.12		Continued.	PO	No Schedule(Charge from Mudshingi end only)
Talandage - Chikodi	InterState	01/10/2019	17.10		Continued.	PO	No Schedule(Close at Chikodi end only)
Solapur(PG)- Jeur	InterState	19/07/2021	15.37	19/07/2021	20.16	PO	Outage Is Required For Replacement Of Jump Of Bus Isolator 220KV PGCIL Bay Due To Hotspot Aluminium Strands Found Cut.
WARDHA WARDHA (PG) (DEOLI)	InterState	20/07/2021	11.30	20/07/2021	20.09	PO	Routine line maintenance work
Wadkhal(GIS)-JSW(GIS) I	IntraState	16/07/2021	17.50		Continued.	PO	For replacement of existing 1200/1A GIS metering CTs with new 1600/1A GIS CTs.
New Koyana - Pedambe	IntraState	19/07/2021	08.50	19/07/2021	14.38	PO	Bus Isolator TO CB Conductor Replacement And Bay Maintenance.
Khaparkheda-Ambazari-Ii	IntraState	19/07/2021	09.29	19/07/2021	15.02	PO	Line Maintenance work
Bableshwar- Bableshwar-I	IntraState	19/07/2021	10.49	19/07/2021	19.51	PO	Distance Relay And B/U Relay Testing.
Karad(400kv) -Mudshingi Ckt 2-Tak	IntraState	19/07/2021	10.53	19/07/2021	16.44	PO	Outage For PT Extension & CT Separation Work.
Pusad-WardhaPG(Deoli)	IntraState	19/07/2021	12.43	19/07/2021	17.26	PO	Routine Maintenance Work
BHIRA (T) - KARANJADE CKT - 7	IntraState	19/07/2021	12.55	19/07/2021	16.17	EO	Sparking On B-Phase Loop At LOC No.130.
Valve-Jamde	IntraState	19/07/2021	12.57	19/07/2021	17.00	PO	REPLACEMENT OF FLASHOVER STRING AT LOCATION NO.17 AND28 OBSERVED DURING MONKEY PATROLLING.
Oni Kharepatan Line	IntraState	19/07/2021	13.36	19/07/2021	19.25	T	R-Phase Burst. At 220KV Kharepatan Of Oni Line.
Harangul-Parly	IntraState	19/07/2021	13.42	19/07/2021	19.47	PO	AMP Work At Line Terminal Equipment By Power grid.
Butibori-Butibori Rly Tss	IntraState	19/07/2021	14.38	19/07/2021	17.09	PO	COMMISSIONING WORK OF PT SELECTION PANEL.

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 19/Jul/2021

Statement-VII

Position as on 6.30 Hrs of 20/Jul/2021

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Karad(400kv) -Mudshingi Ckt 2-Tak	IntraState	19/07/2021	19.10	20/07/2021	02.29	T	Distance Protection
Koyna (Pophali) - Kdph	IntraState	19/07/2021	20.25	20/07/2021	17.05	T	Distance Protection
Kandalgaon - Koyna (Pophali)	IntraState	20/07/2021	13.15	20/07/2021	17.25	PO	Rph CT to breaker conductor replacement
Padegaon-Sawangi	IntraState	20/07/2021	15.57	20/07/2021	16.38	HT	To replacement Yph metering PT fuse.
sawangi-Phulambri	IntraState	20/07/2021	15.57	20/07/2021	16.48	HT	To replacement Yph metering PT fuse.
220 KV ICT Outages/Trippings							
220 Kv /132 Kv 100 Mva Ptr @Chitegaon	IntraState	18/07/2021	11.03		Continued.	PO	Attending oil leakage from main tank.
220/100 Kv 100 MVA ICT I @Vasai-II	IntraState	18/07/2021	12.05	19/07/2021	19.28	EO	To attend Due to failure of RET670 (Main protection unit) and REC670 9Backup protection unit).
220/132 Kv 200 Mva Ict - 2 @Harangul	IntraState	19/07/2021	09.40	19/07/2021	19.07	PO	Testing And Maintenance Work.
220/33kV 125 MVA Transformer 2 @Gorai R/S	IntraState	19/07/2021	10.16	20/07/2021	18.21	T	Differential protection
220/132 Kv 200 MVA ICT II @Babhleshwar	IntraState	19/07/2021	10.26	19/07/2021	16.44	PO	Replacement Of RCC Support Structure Of BP Is Under 220KV Bus With Lattice Type Support Structure And Separation Of Jump ICT 2 Bay & 220KV Ckt 1 Bay From Main Bus.
220/132 Kv 200 Mva Ict - 1 @Harangul	IntraState	20/07/2021	09.44	20/07/2021	12.53	PO	ICT CTR N2 fire protection cold trial work and replacing fire detection sensors.

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