

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 14/Jul/2020 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	111.853	1396.640	1) Gujrat	5.041	69.223
2) Hydro	21.903	116.342	2) Madhya Pradesh	12.501	151.824
3) Gas	2.910	40.911	3) Chattisgarh	6.430	73.850
Total MSPGCL	136.666	1553.893	4) Maharashtra	113.720	1621.905
B) 1) APML	15.346	378.551	5) Goa (Amona)	0.000	-1.892
2) JSWEL	16.208	237.563	Total	137.692	1914.910
3) VIPL	0.000	0.000	a) Mumbai Schedule	25.422	362.398
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	21.810	351.014
5) WPCL	8.818	88.434	c) MSEDCL Bilateral *	41.731	478.091
6) Other IPP	7.903	96.039	Include PX	8.196	78.599
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	25.422	362.398
C) 1) TPCL Thermal	7.614	106.050	Include PX	17.667	239.568
2) TPCL Hydro	5.459	63.080	Standby	0.000	0.000
3) TPCL Gas	4.150	49.430	H) ENERGY CATERED (MUs)		
4) AEML Thermal	5.800	67.927	1) MSEDCL	328.381	4479.977
D) STATE			2) Mumbai Discoms	44.833	637.501
1) Thermal	173.542	2371.204	TOTAL STATE	373.214	5117.478
(A1+C1+C4+(B1-B6))					
2) Hydro	27.362	179.422			
(A2+C2)					
3) Gas	7.060	90.341			
(A3+B7+C3)					
4) Wind	22.363	483.603			
6) SOLAR	5.195	77.998			
TOTAL STATE	235.522	3202.568			

* 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 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	4677	4680	4637	4733
MSPGCL Hydro	1778	1701	1080	217
MSPGCL Gas	120	119	121	122
MSPGCL Total Generation	6575	6500	5838	5072
Central Sector Receipt	6541	6254	5556	5144
WIND	555	556	1199	764
CPP / IPP Thermal	1996	1910	2034	1982
CPP / IPP Gas	0	0	0	0
SOLAR	617	667	0	0
Exchange with Mumbai	-1250	-1270	-871	-758
MSEDCL DEMAND MET	15034	14617	13756	12204
Load Shedding	0	0	0	0
MSEDCL DEMAND	15034	14617	13756	12204
TPCL GENERATION	669	680	807	599
AEML GENERATION	251	251	252	252
MUMBAI DEMAND	2170	2201	1930	1609
STATE DEMAND MET	17204	16818	15686	13813
STATE DEMAND	17204	16818	15686	13813
Frequency (Hz)	49.99	49.95	49.93	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 10.03 Hrs	49.62 Hz at 22.08 Hrs	49.94	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 14/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	0.10	0.10	70	0
Unit 9	11.73	153.48	565	420
Unit 10	9.83	143.02	460	370
Total	21.66	296.59		
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	4.14	43.07	180	156
Unit 4	3.81	50.79	160	150
Unit 5	9.26	125.22	410	365
Unit 6	9.96	105.41	442	390
Unit 7	9.65	127.82	416	390
Unit 8	10.24	134.93	440	415
Unit 9	10.37	106.09	450	395
Total	57.44	693.32		
Paras				
Unit 3	5.04	65.21	225	190
Unit 4	5.37	67.15	240	200
Total	10.40	132.36		
Khaparkheda				
Unit 1	3.66	50.20	165	140
Unit 2	0.00	0.00	0	0
Unit 3	4.48	52.51	195	170
Unit 4	3.96	57.37	188	145
Unit 5	10.24	114.27	470	390
Total	22.34	274.36		
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	2.91	40.91	132	118
Total	2.91	40.91		
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)	0.64	2.51	49	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.64	2.51		
Koyna				
Stage 1-2	6.88	43.22	555	55
Stage 4	9.07	23.59	1000	0
Stage 3	4.28	22.07	320	0
Total	20.23	88.89		
Hydro				
KDPH	0.79	9.85	33	33
VTRNA	0.00	0.00	0	0
TILLARI	0.00	8.19	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.44	4.93	40	0
RNGR+BHTSA	0.00	0.63	0	0
BHANDARDRA	0.00	0.63	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.44	3.22	19	18
GHATGHAR	0.00	0.00	0	0
Total	1.67	27.45		
Wind				
Total	22.36	483.60	0	0
Total	22.36	483.60		
CPP				
APML(Mus)	15.35	378.55	0	0
JSWEL(Mus)	16.21	237.56	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	8.82	88.43	0	0
Other(Mus)	7.90	96.04	0	0
Total	48.28	800.59		
SOLAR				
Total	5.20	78.00	0	0
Total	5.20	78.00		
Tata				
Trombay 5	7.61	106.05	369	283
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.63	30.40	112	105
Trombay 7B	1.52	19.03	64	62
Trombay 8	0.00	0.00	0	0
TATA Hydro	5.46	63.08	355	110
Total	17.22	218.56		
AEML				
DTPS U-1&2	5.80	67.93	252	190
Total	5.80	67.93		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	111.85	1396.64	MSPGCL Total	136.67	1553.89
			MSPGCL Thml+Gas	114.76	1437.55	Koyna 1,2 & 4 Total	15.95	66.82
			MSPGCL Hydro	21.90	116.34	State Total	235.52	3202.57

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 14/Jul/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	4788	337	121	5246	803	2036	0	0	5215	5243	-895	12433	0	12433	1790	14223	49.97
2	4742	367	120	5229	745	2005	0	0	5203	5079	-806	12252	0	12252	1688	13940	49.88
3	4733	217	122	5072	764	1982	0	0	5228	5144	-758	12204	0	12204	1609	13813	50.02
4	4652	217	122	4991	865	1955	0	0	5359	5317	-777	12351	0	12351	1557	13908	50.00
5	4642	117	121	4880	1006	1957	0	0	5315	5265	-739	12369	0	12369	1521	13890	49.93
6	4659	587	121	5367	1162	2030	0	0	5686	5759	-788	13530	0	13530	1552	15082	49.95
7	4627	1156	121	5904	1032	2048	0	34	6195	5976	-725	14269	0	14269	1563	15832	49.91
8	4572	933	131	5636	858	2011	0	143	6681	6652	-679	14621	0	14621	1672	16293	49.93
9	4598	1301	121	6020	701	2021	0	283	6556	6701	-861	14865	0	14865	1850	16715	49.95
10	4614	1405	121	6140	577	2005	0	460	6745	6955	-1125	15012	0	15012	2047	17059	49.96
11	4677	1778	120	6575	555	1996	0	617	6464	6541	-1250	15034	0	15034	2170	17204	49.99
12	4682	1561	120	6363	542	1952	0	662	6628	6470	-1267	14722	0	14722	2212	16934	49.89
13	4680	1701	119	6500	556	1910	0	667	6314	6254	-1270	14617	0	14617	2201	16818	49.95
14	4716	1409	119	6244	614	1894	0	695	6205	6016	-1201	14262	0	14262	2132	16394	49.96
15	4726	904	120	5750	775	1925	0	655	6109	6374	-1145	14334	0	14334	2114	16448	49.97
16	4700	919	120	5739	1135	1986	0	498	5813	6102	-995	14465	0	14465	2050	16515	49.98
17	4667	800	118	5585	1382	1969	0	330	5806	5963	-853	14376	0	14376	1984	16360	49.94
18	4621	790	118	5529	1256	1927	0	126	5701	5868	-975	13731	0	13731	1921	15652	49.90
19	4622	902	132	5656	1293	1933	0	25	5585	5601	-916	13592	0	13592	1917	15509	49.99
20	4637	1080	121	5838	1199	2034	0	0	5758	5556	-871	13756	0	13756	1930	15686	49.93
21	4643	1415	121	6179	1143	2141	0	0	4923	4761	-805	13419	0	13419	1891	15310	49.94
22	4651	1182	120	5953	1101	2180	0	0	4924	4690	-697	13227	0	13227	1847	15074	49.88
23	4596	571	121	5288	1183	2206	0	0	4987	4818	-692	12803	0	12803	1826	14629	49.87
24	4608	254	120	4982	1116	2172	0	0	4988	4587	-720	12137	0	12137	1789	13926	49.88
MUs	111.85	21.90	2.91	136.67	22.36	48.27	0.00	5.20	138.39	137.69	-21.81	328.38	0.00	328.38	44.83	373.21	49.94

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 14/Jul/2020

Position as on 6.30 Hrs of 15/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 STG-IV Unit-2	250	02/07/2020	09.00		Continued.	Annual Overhaul	
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	
MSPGCL	Koradi Unit-8	660	31/05/2020	22.56	14/07/2020	22.13	Heavy steam Leakage in super heater.(Converted in	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 14/Jul/2020

Position as on 6.30 Hrs of 15/Jul/2020

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
							To Zero schedule w.e.f 03.06.2020 01.28)	
MSPGCL	Bhusawal Unit 4	500	01/06/2020	07.16		Continued.	Zero Schedule By MSEDCL	
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.	
IPP	Adani U-3	660	13/07/2020	20.08		Continued.	APH Gear Box abnormal sound	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Jul/2020

Statement-VII

Position as on 6.30 Hrs of 15/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 II	InterState	03/07/2020	13.54	14/07/2020	08.32	T	Distance Protection
Dhule Sar'Sarovar II	InterState	14/07/2020	11.28		Continued.	HT	In View of Bus Outage at SSNL End.
BABHALESHWAR - RPL(NASHIK) CKT - 1	IntraState	11/06/2020	10.40		Continued.	HT	Over Voltage
Karad - Talandge Ckt 2	IntraState	04/07/2020	22.17		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 - Kalwa- I	IntraState	12/07/2020	17.27		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	13/07/2020	17.07		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	13/07/2020	20.36	14/07/2020	09.54	HT	Over Voltage
Padghe - Nagothane - II	IntraState	13/07/2020	22.23		Continued.	HT	Over Voltage
Jaigad-New Koyna Ckt-II	IntraState	14/07/2020	10.27	14/07/2020	10.57	EO	For Maintaining The Safe Clearance During Movement of ICT-3 Unit to ICT Yard in 400kv Switch Yard.
Jaigad-New Koyna Ckt-I	IntraState	14/07/2020	11.02	14/07/2020	11.16	EO	For Maintaining the safe Clearance During Movement of ICT-3 Unit to ICT Yard in 400kv Switch Yard
Lonikand I - Koyna stage-IV	IntraState	14/07/2020	19.53		Continued.	HT	Over Voltage
Babhaleshwar - Padghe-I	IntraState	15/07/2020	00.32	15/07/2020	07.07	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 Kv 500 MVA ICT-III @Kalwa	IntraState	09/07/2020	01.45		Continued.	HT	To control over voltage.
400/220kv 315 Mva ICT II @Karad	IntraState	13/07/2020	09.14		Continued.	PO	Modification in wiring with respect to RRS scheme
400/220/33 Kv 315 Mva ICT I @ Akola (M)	IntraState	14/07/2020	14.25		Continued.	T	Buchholz Relay.
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)
Sawantwadi-Bidri	IntraState	13/07/2020	20.13		Continued.	HT	Over Voltage
Jamde-Dondaicha 1	IntraState	14/07/2020	08.42	14/07/2020	12.04	PO	Line Signature Test.
Lonikand-VSNL	IntraState	14/07/2020	09.10	14/07/2020	19.09	PO	Work of putting OPGW in place of existing 7/3.15 mm sq normal earth wire in r/o MTCIL
Bableshwar- Bableshwar-II	IntraState	14/07/2020	09.56	14/07/2020	14.56	PO	CB Timing,CT C and Tan D
Eklahare (Gcr)(Nashik)- Ghatghar	IntraState	14/07/2020	10.13	14/07/2020	18.08	PO	Insulator replacement work at loc no32.
Nanded-Ghatodi	IntraState	14/07/2020	10.36	14/07/2020	13.53	PO	Replacement of R-Ph Flashover String at LOC No.229.
Ghatghar - Bapgaon	IntraState	14/07/2020	10.39	14/07/2020	17.07	PO	Insulator replacement work at loc no32.
Virur - Virur Rly Tss 2	IntraState	14/07/2020	12.10	14/07/2020	16.07	EO	Attending Hot Spot
Jamde-Dondaicha 2	IntraState	14/07/2020	12.10	14/07/2020	13.22	PO	Line Signature Test.
OSMANABAD PARANDA	IntraState	14/07/2020	12.22	14/07/2020	15.16	EO	Emergency Work at Paranda End.
Nanded- Bhokar I	IntraState	14/07/2020	14.15	14/07/2020	20.26	PO	Relay Testing Work
Dhule - Dondaicha Ckt	IntraState	14/07/2020	14.48	14/07/2020	17.05	PO	Line Signature Testing.

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 14/Jul/2020

Statement-VII

Position as on 6.30 Hrs of 15/Jul/2020

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Butibori - Khaperkheda	IntraState	14/07/2020	17.28	14/07/2020	19.07	EO	Hot Spot On Wavetrap.
WARDHA - WARDHA (PG) (Deoli)	IntraState	14/07/2020	17.48	14/07/2020	19.01	HT	Control Over Drawl.
220 KV ICT Outages/Trippings							
220/132 kV 100MVA ICT-I @ Shivajinagar	IntraState	13/06/2020	01.24		Continued.	T	Differential protection & main Buchholz trip.
220/100 Kv 100 MVA ICT II @Vasai-ji	IntraState	14/07/2020	09.07	14/07/2020	14.21	EO	Attending Oil Leakage
220/132kv 100 Mva Ict 2 @Peth	IntraState	14/07/2020	10.00	14/07/2020	12.26	EO	To attend oil leakage of R ph HV CT
220/132 Kv 200 Mva Bbl Ict 2 @Waghala Nanded	IntraState	14/07/2020	10.11	14/07/2020	11.29	PO	Replacement of Faulty PRV.
220/132/11 Kv 200 Mva Cgl Ict 2 @Amravati	IntraState	14/07/2020	10.42	14/07/2020	13.50	PO	Diagnostic Testing Work. I.E.CRM of HV and LV Breaker.

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