

State Load Despatch Center,Airoli (MSETCL) Statement I
Daily system Report for 16/Jul/2020 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	107.043	1613.881	1) Gujrat	1.938	74.752
2) Hydro	7.017	132.830	2) Madhya Pradesh	10.296	173.569
3) Gas	2.747	46.543	3) Chattisgarh	5.660	85.170
Total MSPGCL	116.807	1793.254	4) Maharashtra	112.908	1850.533
B) 1) APML	13.281	406.717	5) Goa (Amona)	-0.110	-2.222
2) JSWEL	15.765	270.691	Total	130.692	2181.802
3) VIPL	0.000	0.000	a) Mumbai Schedule	22.468	409.006
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	22.462	393.832
5) WPCL	7.233	104.230	c) MSEDCL Bilateral *	31.044	544.751
6) Other IPP	6.928	110.648	Include PX	10.858	100.351
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	22.468	409.006
C) 1) TPCL Thermal	7.411	122.065	Include PX	14.760	271.039
2) TPCL Hydro	5.555	73.968	Standby	0.000	0.000
3) TPCL Gas	3.356	56.989	H) ENERGY CATERED (MUs)		
4) AEML Thermal	4.674	78.050	1) MSEDCL	308.810	5109.903
D) STATE			2) Mumbai Discoms	43.458	724.905
1) Thermal	162.335	2706.282	TOTAL STATE	352.268	5834.808
(A1+C1+C4+(B1-B6))					
2) Hydro	12.572	206.798			
(A2+C2)					
3) Gas	6.103	103.532			
(A3+B7+C3)					
4) Wind	36.863	552.221			
6) SOLAR	3.703	84.172			
TOTAL STATE	221.576	3653.005			

* 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	4679	4523	4505	4220
MSPGCL Hydro	430	154	891	199
MSPGCL Gas	113	104	114	119
MSPGCL Total Generation	5222	4781	5510	4538
Central Sector Receipt	6696	6119	5219	4503
WIND	1240	1268	1519	1515
CPP / IPP Thermal	1831	1694	2068	1650
CPP / IPP Gas	0	0	0	0
SOLAR	364	473	0	0
Exchange with Mumbai	-1158	-1230	-880	-776
MSEDCL DEMAND MET	14195	13105	13436	11430
Load Shedding	0	0	0	0
MSEDCL DEMAND	14195	13105	13436	11430
TPCL GENERATION	786	755	771	546
AEML GENERATION	188	189	247	190
MUMBAI DEMAND	2132	2174	1898	1512
STATE DEMAND MET	16327	15279	15334	12942
STATE DEMAND	16327	15279	15334	12942
Frequency (Hz)	49.96	50.02	49.89	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 16.02 Hrs	49.73 Hz at 19.36 Hrs	49.98	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 16/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	9.92	18.75	464	355
Unit 9	6.82	171.09	420	0
Unit 10	8.87	160.12	410	300
Total	25.60	349.95		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	1.42	1.42	360	0
Unit 5	0.00	0.00	0	0
Total	1.42	1.42		
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	4.00	51.17	177	162
Unit 4	3.57	58.04	160	121
Unit 5	8.53	142.52	370	345
Unit 6	8.78	123.69	385	352
Unit 7	8.30	142.10	393	200
Unit 8	8.94	153.52	435	340
Unit 9	9.29	124.88	440	355
Total	51.41	795.92		
Paras				
Unit 3	3.89	73.74	185	133
Unit 4	4.40	76.36	195	171
Total	8.29	150.10		
Khaparkheda				
Unit 1	3.10	56.48	155	0
Unit 2	0.00	0.00	0	0
Unit 3	4.08	61.02	195	160
Unit 4	4.00	65.75	190	160
Unit 5	9.14	133.26	440	345
Total	20.32	316.50		
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	2.75	46.54	120	104
Total	2.75	46.54		
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)	0.50	3.27	54	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.50	3.27		
Koyna				
Stage 1-2	2.48	49.54	425	30
Stage 4	0.60	26.34	309	0
Stage 3	1.95	25.80	212	0
Total	5.03	101.68		
Hydro				
KDPH	0.79	11.44	33	33
VTRNA	0.00	0.00	0	0
TILLARI	0.24	8.44	61	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.44	5.80	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	0.51	4.22	22	21
GHATGHAR	0.00	0.00	0	0
Total	1.98	31.15		
Wind				
Total	36.86	552.22	0	0
Total	36.86	552.22		
CPP				
APML(Mus)	13.28	406.72	0	0
JSWEL(Mus)	15.76	270.69	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	7.23	104.23	0	0
Other(Mus)	6.93	110.65	0	0
Total	43.21	892.29		
SOLAR				
Total	3.70	84.17	0	0
Total	3.70	84.17		
Tata				
Trombay 5	7.41	122.06	404	294
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.02	35.10	114	72
Trombay 7B	1.34	21.89	65	52
Trombay 8	0.00	0.00	0	0
TATA Hydro	5.56	73.97	393	54
Total	16.32	253.02		
AEML				
DTPS U-1&2	4.67	78.05	250	188
Total	4.67	78.05		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	107.04	1613.88	MSPGCL Total	116.81	1793.25
			MSPGCL Thml+Gas	109.79	1660.42	Koyna 1,2 & 4 Total	3.09	75.88
			MSPGCL Hydro	7.02	132.83	State Total	221.58	3653.00

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 16/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	4049	179	120	4348	1610	1813	0	0	4977	4860	-883	11748	0	11748	1676	13424	49.98
2	4134	194	120	4448	1586	1666	0	0	4756	4643	-808	11535	0	11535	1582	13117	49.99
3	4220	199	119	4538	1515	1650	0	0	4689	4503	-776	11430	0	11430	1512	12942	50.02
4	4264	184	118	4566	1583	1626	0	0	4694	4633	-756	11652	0	11652	1473	13125	50.03
5	4260	179	115	4554	1704	1634	0	0	4807	4547	-735	11704	0	11704	1449	13153	49.90
6	4287	179	114	4580	1772	1618	0	0	5566	5323	-720	12573	0	12573	1479	14052	49.98
7	4315	174	113	4602	1514	1594	0	18	6281	6363	-782	13309	0	13309	1512	14821	49.98
8	4438	518	114	5070	1324	1687	0	83	6339	6681	-887	13958	0	13958	1626	15584	50.01
9	4554	403	114	5071	1244	1830	0	153	6845	6771	-1018	14051	0	14051	1817	15868	50.01
10	4517	470	112	5099	1264	1712	0	279	6838	6787	-1088	14053	0	14053	2005	16058	49.95
11	4679	430	113	5222	1240	1831	0	364	6682	6696	-1158	14195	0	14195	2132	16327	49.96
12	4553	195	113	4861	1328	1824	0	414	6860	6470	-1255	13642	0	13642	2186	15828	50.03
13	4523	154	104	4781	1268	1694	0	473	6884	6119	-1230	13105	0	13105	2174	15279	50.02
14	4522	129	115	4766	1374	1601	0	598	6594	5945	-1206	13078	0	13078	2096	15174	50.02
15	4538	124	114	4776	1567	1634	0	420	5691	5561	-1116	12842	0	12842	2037	14879	49.96
16	4523	129	115	4767	1687	1809	0	350	5676	5356	-1014	12955	0	12955	1965	14920	50.03
17	4238	154	113	4505	1633	1859	0	318	5610	5480	-946	12849	0	12849	1894	14743	49.94
18	4229	274	114	4617	1745	1865	0	196	5451	5715	-1024	13114	0	13114	1864	14978	49.97
19	4337	387	114	4838	1673	1944	0	37	5259	5348	-1068	12772	0	12772	1876	14648	49.96
20	4505	891	114	5510	1519	2068	0	0	5053	5219	-880	13436	0	13436	1898	15334	49.89
21	4708	712	114	5534	1808	2128	0	0	4928	4698	-730	13438	0	13438	1879	15317	49.97
22	4788	254	115	5157	1586	2215	0	0	4821	4501	-768	12691	0	12691	1840	14531	49.97
23	4918	255	114	5287	1695	2083	0	0	4492	4321	-813	12573	0	12573	1774	14347	49.95
24	4944	250	116	5310	1624	1822	0	0	4493	4152	-801	12107	0	12107	1712	13819	49.98
MUs	107.04	7.02	2.75	116.81	36.86	43.21	0.00	3.70	134.29	130.69	-22.46	308.81	0.00	308.81	43.46	352.27	49.98

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 16/Jul/2020

Position as on 6.30 Hrs of 17/Jul/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	
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	Bhusawal Unit 4	500	01/06/2020	07.16	16/07/2020	17.34	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	

State Load Despatch Center, Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 16/Jul/2020

Position as on 6.30 Hrs of 17/Jul/2020

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
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	17/07/2020	02.20	APH Gear Box abnormal sound	
MSPGCL	Koyna STG- IV Unit - 1	250	15/07/2020	16.00		Continued.	SUT U Phase Bucchohz relay operated	
MSPGCL	Khaparkheda Unit 1	210	15/07/2020	21.48	16/07/2020	01.33	Coal mill problem.	
MSPGCL	Koradi Unit 9	660	16/07/2020	15.26	16/07/2020	19.34	Attending Hot Spot On R-Ph Line CT Stud Jumper at 400Kv.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Jul/2020

Statement-VII

Position as on 6.30 Hrs of 17/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	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
Dhule - Bableshtar - 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	16/07/2020	11.35	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
Lonikand I - Koyna stage-IV	IntraState	15/07/2020	21.45	15/07/2020	Continued.	HT	Over Voltage
Babhaleshwar - Padghe-II	IntraState	15/07/2020	23.45	16/07/2020	09.31	HT	Over Voltage
Lonikand 1 -Jejuri	IntraState	16/07/2020	10.02	16/07/2020	18.11	PO	Annual Maintenance Work
Girwali - Lonikand 1	IntraState	16/07/2020	10.03	16/07/2020	14.28	PO	Reactor backup relay testing and bay maintenance. Hardware Tightening and Fitting Work.
Babhaleshwar - Padghe-I	IntraState	16/07/2020	10.45	16/07/2020	18.06	EO	Over Voltage
Padghe - Kalwa- I	IntraState	16/07/2020	20.50		Continued.	HT	Over Voltage
Babhaleshwar - Padghe-I	IntraState	16/07/2020	23.06		Continued.	HT	Over Voltage
Khadka - Bableshtar	IntraState	17/07/2020	00.37		Continued.	T	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	16/07/2020	10.38	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 Kv 500 MVA ICT II @Jejuri	IntraState	16/07/2020	02.46		Continued.	HT	Over Voltage
400/220 Kv 600 MVA ICT-II @Kalwa	IntraState	16/07/2020	12.15	16/07/2020	14.40	EO	Attending Hot Spot
400/220 Kv 500 MVA ICT-III @Kalwa	IntraState	16/07/2020	21.05		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)
Borivali(MS) Boisar(PG)	InterState	16/07/2020	15.04	16/07/2020	15.04	PO	First Time Charged
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To Control Line Loading(H/T from Boisar end)
Sawantwadi-Bidri	IntraState	15/07/2020	19.30		Continued.	HT	Over Voltage
Cable Borivli Aarey 2	IntraState	16/07/2020	00.44	16/07/2020	06.42	T	Distance Protection
Baramati- Kalyani	IntraState	16/07/2020	08.35	16/07/2020	15.59	PO	Destringing Of Line Gantry Conductor & STN To DTN Conversion
Baramati - Kurkumbh	IntraState	16/07/2020	08.50	16/07/2020	16.06	PO	Destringing Of Line Gantry Conductor & STN To DTN Conversion
Washala - Ghatghar	IntraState	16/07/2020	09.25	16/07/2020	16.45	PO	Insulator Replacement Work At Loc No.32, 67
Bhugaon-WardhaPG (Deoli)	IntraState	16/07/2020	10.10	16/07/2020	15.10	PO	Routine Maintenance Work
Ghatghar - Jindal	IntraState	16/07/2020	10.20	16/07/2020	17.04	PO	Insulator Replacement Work At Loc No.32, 67
Theur-Jejuri	IntraState	16/07/2020	11.18	16/07/2020	12.27	EO	Replacement Of Coupling Capacitor

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 16/Jul/2020

Statement-VII

Position as on 6.30 Hrs of 17/Jul/2020

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Nagothane - ACCIL	IntraState	16/07/2020	15.44		Continued.	T	Distance Protection
Sawantwadi-Bidri	IntraState	16/07/2020	23.10		Continued.	HT	Over Voltage
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.