

State Load Despatch Center,Airoli (MSETCL) Statement I
Daily system Report for 15/Jul/2020 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	110.198	1506.838	1) Gujrat	3.591	72.814
2) Hydro	9.471	125.813	2) Madhya Pradesh	11.449	163.273
3) Gas	2.885	43.796	3) Chattisgarh	5.660	79.510
Total MSPGCL	122.554	1676.447	4) Maharashtra	115.720	1737.625
B) 1) APLM	14.885	393.436	5) Goa (Amona)	-0.220	-2.112
2) JSWEL	17.363	254.926	Total	136.200	2051.110
3) VIPL	0.000	0.000	a) Mumbai Schedule	24.139	386.537
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	20.356	371.370
5) WPCL	8.563	96.997	c) MSEDCL Bilateral *	35.616	513.707
6) Other IPP	7.681	103.720	Include PX	10.894	89.493
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	24.139	386.537
C) 1) TPCL Thermal	8.604	114.654	Include PX	16.712	256.279
2) TPCL Hydro	5.333	68.413	Standby	0.000	0.000
3) TPCL Gas	4.203	53.633	H) ENERGY CATERED (MUs)		
4) AEML Thermal	5.449	73.376	1) MSEDCL	321.116	4801.093
D) STATE			2) Mumbai Discoms	43.946	681.447
1) Thermal	172.743	2543.947	TOTAL STATE	365.062	5482.540
(A1+C1+C4+(B1-B6))					
2) Hydro	14.804	194.226			
(A2+C2)					
3) Gas	7.088	97.429			
(A3+B7+C3)					
4) Wind	31.755	515.358			
6) SOLAR	2.471	80.469			
TOTAL STATE	228.861	3431.429			

* 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 4 Hrs
MSPGCL Thermal	4939	4669	4313	4436
MSPGCL Hydro	528	677	1077	103
MSPGCL Gas	119	120	118	120
MSPGCL Total Generation	5586	5466	5508	4659
Central Sector Receipt	6725	6410	5436	5137
WIND	1291	869	1533	1373
CPP / IPP Thermal	1996	2130	2004	1638
CPP / IPP Gas	0	0	0	0
SOLAR	250	263	0	0
Exchange with Mumbai	-891	-1095	-705	-793
MSEDCL DEMAND MET	14957	14043	13776	12014
Load Shedding	0	0	0	0
MSEDCL DEMAND	14957	14043	13776	12014
TPCL GENERATION	866	801	977	518
AEML GENERATION	250	251	251	189
MUMBAI DEMAND	2007	2147	1933	1500
STATE DEMAND MET	16964	16190	15709	13514
STATE DEMAND	16964	16190	15709	13514
Frequency (Hz)	49.92	50.00	49.95	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 06:03 Hrs	49.68 Hz at 00:09 Hrs	49.96	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 15/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	8.73	8.83	452	102
Unit 9	10.80	164.27	528	352
Unit 10	8.23	151.24	385	297
Total	27.76	324.35		
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	4.10	47.17	176	162
Unit 4	3.68	54.47	162	130
Unit 5	8.76	133.99	395	310
Unit 6	9.50	114.91	420	360
Unit 7	5.98	133.80	395	0
Unit 8	9.65	144.58	450	360
Unit 9	9.50	115.59	422	360
Total	51.18	744.51		
Paras				
Unit 3	4.64	69.85	225	160
Unit 4	4.80	71.95	234	165
Total	9.44	141.80		
Khaparkheda				
Unit 1	3.18	53.38	165	0
Unit 2	0.00	0.00	0	0
Unit 3	4.42	56.93	195	160
Unit 4	4.38	61.75	195	140
Unit 5	9.85	124.12	460	370
Total	21.82	296.18		
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	2.88	43.80	131	118
Total	2.88	43.80		
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)	0.26	2.77	52	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.26	2.77		
Koyna				
Stage 1-2	3.82	47.05	455	40
Stage 4	2.15	25.74	493	0
Stage 3	1.79	23.86	160	0
Total	7.76	96.64		
Hydro				
KDPH	0.79	10.64	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.	0.43	5.36	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	0.49	3.71	21	20
GHATGHAR	0.00	0.00	0	0
Total	1.71	29.17		
Wind				
Total	31.76	515.36	0	0
Total	31.76	515.36		
CPP				
APML(Mus)	14.88	393.44	0	0
JSWEL(Mus)	17.36	254.93	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	8.56	97.00	0	0
Other(Mus)	7.68	103.72	0	0
Total	48.49	849.08		
SOLAR				
Total	2.47	80.47	0	0
Total	2.47	80.47		
Tata				
Trombay 5	8.60	114.65	410	300
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.68	33.08	114	110
Trombay 7B	1.53	20.56	65	63
Trombay 8	0.00	0.00	0	0
TATA Hydro	5.33	68.41	423	34
Total	18.14	236.70		
AEML				
DTPS U-1&2	5.45	73.38	251	188
Total	5.45	73.38		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	110.20	1506.84	MSPGCL Total	122.55	1676.45
			MSPGCL Thml+Gas	113.08	1550.63	Koyna 1,2 & 4 Total	5.97	72.79
			MSPGCL Hydro	9.47	125.81	State Total	228.86	3431.43

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 15/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	4621	112	119	4852	1206	2087	0	0	5224	5045	-773	12417	0	12417	1699	14116	49.86
2	4599	103	119	4821	1308	2023	0	0	5180	4868	-864	12156	0	12156	1613	13769	49.90
3	4436	108	120	4664	1291	1786	0	0	5209	5105	-801	12045	0	12045	1553	13598	49.92
4	4436	103	120	4659	1373	1638	0	0	5145	5137	-793	12014	0	12014	1500	13514	49.96
5	4597	123	120	4840	1313	1677	0	0	5154	5305	-754	12381	0	12381	1473	13854	49.92
6	4900	173	120	5193	1268	1849	0	0	5730	5702	-759	13253	0	13253	1507	14760	49.94
7	4892	183	131	5206	1169	2066	0	23	6301	6173	-734	13903	0	13903	1540	15443	50.01
8	4954	196	120	5270	1131	2159	0	100	6466	6532	-675	14517	0	14517	1645	16162	49.99
9	4878	223	120	5221	1264	2080	0	203	6734	6955	-774	14949	0	14949	1834	16783	49.98
10	4939	528	119	5586	1291	1996	0	250	6763	6725	-891	14957	0	14957	2007	16964	49.92
11	4885	804	118	5807	1173	2042	0	232	6631	6426	-1090	14590	0	14590	2124	16714	49.92
12	4790	623	119	5532	1041	2098	0	218	6538	6599	-1130	14358	0	14358	2165	16523	49.97
13	4669	677	120	5466	869	2130	0	263	6535	6410	-1095	14043	0	14043	2147	16190	50.00
14	4753	219	120	5092	1046	2079	0	278	6476	6154	-1131	13518	0	13518	2067	15585	49.98
15	4667	464	119	5250	1285	2046	0	261	6085	5844	-1089	13597	0	13597	2026	15623	49.96
16	4618	404	118	5140	1183	2043	0	248	5713	5712	-851	13475	0	13475	1964	15439	49.98
17	4648	271	118	5037	1409	2072	0	228	5460	5471	-739	13478	0	13478	1917	15395	49.96
18	4379	354	119	4852	1464	2067	0	136	5610	5773	-869	13423	0	13423	1883	15306	50.05
19	4345	511	118	4974	1392	2025	0	31	5600	5584	-814	13192	0	13192	1889	15081	49.98
20	4313	1077	118	5508	1533	2004	0	0	5633	5436	-705	13776	0	13776	1933	15709	49.95
21	4301	1179	129	5609	1422	2129	0	0	5025	4929	-671	13418	0	13418	1928	15346	49.93
22	4274	675	120	5069	1804	2230	0	0	4894	4754	-666	13191	0	13191	1891	15082	50.01
23	4168	187	120	4475	1850	2216	0	0	4986	4712	-834	12419	0	12419	1845	14264	50.01
24	4136	174	121	4431	1670	1950	0	0	5017	4849	-854	12046	0	12046	1795	13841	50.01
MUs	110.20	9.47	2.88	122.55	31.75	48.49	0.00	2.47	138.11	136.20	-20.36	321.12	0.00	321.12	43.95	365.06	49.96

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 15/Jul/2020

Position as on 6.30 Hrs of 16/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 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	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	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 15/Jul/2020

Position as on 6.30 Hrs of 16/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		Continued.	APH Gear Box abnormal sound	
MSPGCL	Koyna STG- IV Unit - 1	250	15/07/2020	16.00		Continued.	SUT U Phase Buccholz relay operated	
MSPGCL	Chandrapur Unit 7	500	15/07/2020	16.56	15/07/2020	23.07	Primary Pre Heater problem	
MSPGCL	Khaparkheda Unit 1	210	15/07/2020	21.48	16/07/2020	01.33	Coal mill problem.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Jul/2020

Statement-VII

Position as on 6.30 Hrs of 16/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 - 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
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	14/07/2020	16.18	15/07/2020	09.35	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	14/07/2020	19.53	15/07/2020	09.10	HT	Over Voltage
Babhaleshwar - Padghe-I	IntraState	15/07/2020	00.32	15/07/2020	07.07	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		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.
400/220 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	15/07/2020	09.21	T	Buchholz Relay.
400/220KV 500MVA ICT1@koradi 2	IntraState	15/07/2020	05.15	15/07/2020	10.03	T	R phase PRV operated
400/220 Kv 500 MVA ICT II @Jejuri	IntraState	16/07/2020	02.46		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)
Tillari Amona	InterState	15/07/2020	09.59	15/07/2020	20.20	PO	Quarterly Maintanance Work
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	15/07/2020	09.36	HT	Over Voltage
Kandalgaon - Pirangut	IntraState	15/07/2020	07.05	15/07/2020	15.05	PO	Breaker Problem
Salsette Borivli 1	IntraState	15/07/2020	07.36	15/07/2020	15.34	PO	For hydraulic cylinder replacement.
Deepnagar Khadaka 1	IntraState	15/07/2020	09.58	15/07/2020	13.47	T	Distance Protection
Tuljapur-Lamboti(Tap to Vairag s/st.)	IntraState	15/07/2020	10.13	15/07/2020	17.28	PO	Routine Maintenance Work
Pusad-WardhaPG(Deoli)	IntraState	15/07/2020	10.29	15/07/2020	18.14	PO	Routine Maintenance Work
Warora - Warora Rly Tss 2	IntraState	15/07/2020	11.25	15/07/2020	18.55	PO	work at warora Rly TSS
Parli(U-VIII) GCR CKT	IntraState	15/07/2020	12.00	15/07/2020	15.06	PO	Line Maintenance work
Lamboti -Solapur li(Bale) Ckt- II	IntraState	15/07/2020	13.56	15/07/2020	16.32	PO	Quarterly Maintanance Work
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
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.
200 MVA 220/132 KV ICT - 1	IntraState	15/07/2020	09.47	15/07/2020	15.09	T	OSR Tripped

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 15/Jul/2020

Statement-VII

Position as on 6.30 Hrs of 16/Jul/2020

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
@VIRODA							
220/132kV 100MVA ICT-2@Jeur	IntraState	15/07/2020	12.57	15/07/2020	16.40	EO	Quarterly Maintainance Work