

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 23/Jul/2020 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	126.352	2456.809	1) Gujrat	6.435	111.932
2) Hydro	3.941	182.276	2) Madhya Pradesh	14.183	268.894
3) Gas	2.755	65.662	3) Chattisgarh	6.120	124.950
Total MSPGCL	133.048	2704.747	4) Maharashtra	125.454	2671.471
B) 1) APML	30.775	610.771	5) Goa (Amona)	-1.400	-4.931
2) JSWEL	17.994	391.527	Total	150.792	3172.316
3) VIPL	0.000	0.000	a) Mumbai Schedule	30.225	597.623
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	27.378	575.054
5) WPCL	8.556	162.939	c) MSEDCL Bilateral *	43.527	829.397
6) Other IPP	7.619	163.767	Include PX	13.573	185.771
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	30.225	597.623
C) 1) TPCL Thermal	8.415	179.201	Include PX	20.868	401.271
2) TPCL Hydro	3.232	97.406	Standby	0.000	0.000
3) TPCL Gas	4.392	81.890	H) ENERGY CATERED (MUs)		
4) AEML Thermal	5.360	114.743	1) MSEDCL	332.894	7415.327
D) STATE			2) Mumbai Discoms	48.777	1048.294
1) Thermal	205.071	4079.757	TOTAL STATE	381.671	8463.621
(A1+C1+C4+(B1-B6))					
2) Hydro	7.173	279.682			
(A2+C2)					
3) Gas	7.147	147.552			
(A3+B7+C3)					
4) Wind	7.021	659.244			
6) SOLAR	4.467	125.070			
TOTAL STATE	230.879	5291.305			

* 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 4 Hrs
MSPGCL Thermal	5230	5090	5568	5092
MSPGCL Hydro	432	187	558	47
MSPGCL Gas	116	115	115	117
MSPGCL Total Generation	5778	5392	6241	5256
Central Sector Receipt	7671	7369	5750	5240
WIND	200	215	302	360
CPP / IPP Thermal	2669	2699	2722	2642
CPP / IPP Gas	0	0	0	0
SOLAR	550	732	0	0
Exchange with Mumbai	-1395	-1700	-591	-1044
MSEDCL DEMAND MET	15473	14707	14424	12454
Load Shedding	0	0	0	0
MSEDCL DEMAND	15473	14707	14424	12454
TPCL GENERATION	653	588	1056	485
AEML GENERATION	252	188	252	190
MUMBAI DEMAND	2300	2476	1899	1719
STATE DEMAND MET	17773	17183	16323	14173
STATE DEMAND	17773	17183	16323	14173
Frequency (Hz)	49.99	49.99	49.99	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.11 Hz at 06:02 Hrs	49.83 Hz at 21:18 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 23/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	11.70	98.50	555	379
Unit 9	11.93	245.50	558	465
Unit 10	9.75	222.11	480	300
Total	33.38	566.12		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	10.36	71.88	485	360
Unit 5	2.99	2.99	390	0
Total	13.36	74.88		
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	3	0
Unit 4	3.46	83.81	155	130
Unit 5	8.55	201.80	399	320
Unit 6	8.68	186.62	413	310
Unit 7	8.47	204.84	366	325
Unit 8	9.88	219.69	435	370
Unit 9	9.82	192.69	425	375
Total	48.87	1146.68		
Paras				
Unit 3	4.68	104.96	235	168
Unit 4	4.71	107.16	221	165
Total	9.40	212.12		
Khaparkheda				
Unit 1	3.54	81.20	165	120
Unit 2	0.00	0.00	0	0
Unit 3	4.22	80.06	180	170
Unit 4	4.10	94.55	185	160
Unit 5	9.49	201.21	460	310
Total	21.35	457.01		
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	2.76	65.66	128	103
Total	2.76	65.66		
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)	0.62	6.28	47	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.62	6.28		
Koyna				
Stage 1-2	2.16	66.26	305	30
Stage 4	0.44	40.79	296	0
Stage 3	0.91	36.39	160	0
Total	3.52	143.43		
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.	0.21	8.04	40	0
RNGR+BHTSA	0.00	0.63	0	0
BHANDARDRA	0.04	0.76	18	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.17	7.39	8	7
GHATGHAR	0.00	0.00	0	0
Total	0.42	38.84		
Wind				
Total	7.02	659.24	0	0
Total	7.02	659.24		
CPP				
APML(Mus)	30.78	610.77	0	0
JSWEL(Mus)	17.99	391.53	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	8.56	162.94	0	0
Other(Mus)	7.62	163.77	0	0
Total	64.94	1329.00		
SOLAR				
Total	4.47	125.07	0	0
Total	4.47	125.07		
Tata				
Trombay 5	8.42	179.20	455	297
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.81	50.32	117	116
Trombay 7B	1.58	31.57	67	65
Trombay 8	0.00	0.00	0	0
TATA Hydro	3.23	97.41	459	0
Total	16.04	358.50		
AEML				
DTPS U-1&2	5.36	114.74	252	188
Total	5.36	114.74		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	126.35	2456.81	MSPGCL Total	133.05	2704.75
			MSPGCL Thml+Gas	129.11	2522.47	Koyna 1,2 & 4 Total	2.61	107.04
			MSPGCL Hydro	3.94	182.28	State Total	230.88	5291.30

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 23/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	5362	73	116	5551	470	2751	0	0	5495	5447	-1188	13031	0	13031	2079	15110	50.04
2	5219	42	116	5377	474	2702	0	0	5467	5250	-1219	12584	0	12584	1910	14494	50.01
3	5104	47	116	5267	464	2689	0	0	5447	5227	-1119	12528	0	12528	1791	14319	50.00
4	5092	47	117	5256	360	2642	0	0	5348	5240	-1044	12454	0	12454	1719	14173	50.00
5	5150	62	116	5328	300	2732	0	0	5512	5481	-1001	12840	0	12840	1674	14514	50.00
6	5223	57	116	5396	220	2734	0	0	6049	6140	-934	13556	0	13556	1684	15240	49.98
7	5249	67	128	5444	206	2723	0	22	6845	6847	-815	14427	0	14427	1680	16107	50.02
8	5219	89	116	5424	226	2716	0	116	7461	7300	-833	14949	0	14949	1754	16703	50.02
9	5261	248	117	5626	172	2719	0	265	7476	7479	-1082	15179	0	15179	1944	17123	49.96
10	5303	450	116	5869	184	2684	0	437	7504	7395	-1306	15263	0	15263	2153	17416	49.91
11	5230	432	116	5778	200	2669	0	550	7675	7671	-1395	15473	0	15473	2300	17773	49.99
12	5109	149	115	5373	195	2650	0	591	7848	7656	-1540	14925	0	14925	2383	17308	49.98
13	5090	187	115	5392	215	2699	0	732	7521	7369	-1700	14707	0	14707	2476	17183	49.99
14	5156	51	113	5320	310	2646	0	715	7409	7056	-1488	14559	0	14559	2260	16819	50.02
15	5095	127	103	5325	273	2597	0	526	7248	7073	-1491	14303	0	14303	2263	16566	49.99
16	5224	97	114	5435	304	2739	0	291	7009	6948	-1397	14320	0	14320	2239	16559	49.99
17	5279	162	113	5554	273	2729	0	146	6656	6725	-1296	14131	0	14131	2194	16325	50.01
18	5369	177	114	5660	305	2708	0	67	6300	5997	-1143	13594	0	13594	2074	15668	49.99
19	5465	172	113	5750	237	2702	0	9	6191	5952	-1007	13643	0	13643	1990	15633	49.97
20	5568	558	115	6241	302	2722	0	0	5865	5750	-591	14424	0	14424	1899	16323	49.99
21	5586	244	114	5944	312	2804	0	0	5534	4920	-645	13335	0	13335	1972	15307	50.00
22	5533	237	105	5875	353	2869	0	0	5400	4968	-823	13242	0	13242	2004	15246	49.94
23	5259	123	115	5497	337	2692	0	0	5491	5583	-1090	13019	0	13019	2168	15187	49.99
24	5207	43	116	5366	329	2626	0	0	5512	5318	-1231	12408	0	12408	2167	14575	50.01
MUs	126.35	3.94	2.76	133.05	7.02	64.94	0.00	4.47	154.26	150.79	-27.38	332.89	0.00	332.89	48.78	381.67	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 23/Jul/2020

Position as on 6.30 Hrs of 24/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 23/Jul/2020

Position as on 6.30 Hrs of 24/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	23/07/2020	13.23	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	23/07/2020	12.51	PA Fan problem	
MSPGCL	Khaparkheda Unit 3	210	19/07/2020	23.48	23/07/2020	08.57	Drum Level Very Low Protection Alarm.	
MSPGCL	Chandrapur Unit 3	210	23/07/2020	13.09		Continued.	HPT expansion high.	
MSPGCL	Paras Unit 4	250	23/07/2020	17.53	23/07/2020	19.50	Furnace Pressure High	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 23/Jul/2020

Statement-VII

Position as on 6.30 Hrs of 24/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 I	InterState	18/07/2020	18.58		Continued.	HT	Over Voltage
BABHALESHWAR - RPL(NASHIK) CKT - 1	IntraState	11/06/2020	10.40		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
Babhaleshwar - Padghe-I	IntraState	22/07/2020	09.23		Continued.	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	22/07/2020	17.26		Continued.	HT	Over Voltage
Dhule- Bableswhar - I	IntraState	22/07/2020	20.08		Continued.	HT	Over Voltage
Padghe - Kalwa- I	IntraState	23/07/2020	02.02		Continued.	HT	Over Voltage
Padghe - Kalwa- I	IntraState	23/07/2020	02.59		Continued.	T	Over Voltage
koaradi II - Wardha(PG)	IntraState	23/07/2020	10.24	23/07/2020	18.06	PO	Routine Maintenance Work
Lonikand 1 -Jejuri	IntraState	23/07/2020	17.02	24/07/2020	06.19	T	Distance Protection
Jejuri- Koynastage-IV	IntraState	23/07/2020	20.28		Continued.	T	Distance Protection
karad -kolhapur-I	IntraState	23/07/2020	21.48		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.
400/220/33 Kv 315 MVA ICT II @Chandrapur GCR	IntraState	23/07/2020	09.00	23/07/2020	19.49	EO	1) Replacement of 400kv HV Side Rph 'LA' 2)Replacement of 220kv IV Side Yph 'LA'.
400/220kv 315 Mva ICT I @Karad	IntraState	23/07/2020	10.00	23/07/2020	17.27	PO	Modification in wiring with respect to RRS scheme. Removing of old 400 KV Busbar wiring.
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)
VILEBHAGAD KANDALGAON	IntraState	23/07/2020	09.28		Continued.	PO	Nisarg cyclone tower damage loc no 6 m/c tower 5 no cross arm replacement and 3 leg repair.
Kharghar - Nerul	IntraState	23/07/2020	09.29	23/07/2020	12.15	PO	To attend Y phase CT Hotspot .
Uran - Jnpt	IntraState	23/07/2020	09.31	23/07/2020	14.23	PO	Replacement of conductor from line isolator to gantry R PH Work at JNPT End.
KORADI 2 - KAULEWADA CKT - II	IntraState	23/07/2020	09.44	23/07/2020	12.05	PO	Providing repair sleeves to r ph bottom conductor between loc no. 362 -363 by agency m/s r.p. power. pune.
Khaparkheda-Ambazari-I	IntraState	23/07/2020	10.04	23/07/2020	17.15	PO	Relay testing work and line signature work.
Pophali - Pedambe II	IntraState	23/07/2020	10.10		Continued.	PO	Attending Damaged & Unwound Conductors Both B-ph CB Main Bus.
Karad(400kv) -Mudshingi Ckt 2-Tak	IntraState	23/07/2020	10.18		Continued.	PO	Reconnecting the 220kV Takari Tap LILO Location jump at Loc 92A
Hinjawadi I- Chinchwad	IntraState	23/07/2020	10.38		Continued.	PO	Diagnostic 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 23/Jul/2020

Statement-VII

Position as on 6.30 Hrs of 24/Jul/2020

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Aurangabad (Waluj)-Bhenda	IntraState	23/07/2020	10.48	23/07/2020	15.56	EO	To attend Hot Spot
Uran - Kharghar 2	IntraState	23/07/2020	14.47	23/07/2020	16.40	EO	Attending red hot spot at Loc No. 4 Top phase (Sparking observed).
Waluj - Degaon Rangari	IntraState	23/07/2020	15.33	23/07/2020	17.46	T	Distance Protection
Wardha Butibori-III	IntraState	23/07/2020	17.42		Continued.	T	Distance Protection
220 KV ICT Outages/Trippings							
220/132 Kv 200 Mva Cgl Ict 1 @Boisar-Ii	IntraState	23/07/2020	13.50		Continued.	EO	T/F oil filtration required due to poor oil BDV, hinh ppm and tan delta.