

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	133.789	3528.074	1) Gujrat	4.922	165.202
2) Hydro	6.455	201.377	2) Madhya Pradesh	11.653	314.337
3) Gas	4.540	159.104	3) Chattisgarh	5.080	128.860
Total MSPGCL	144.784	3888.555	4) Maharashtra	96.844	2781.866
B) 1) APML	65.388	1582.511	5) Goa (Amona)	0.000	-8.470
2) JSWEL	14.171	372.061	Total	118.499	3381.795
3) VIPL	0.000	0.000	a) Mumbai Schedule	15.527	493.017
4) RPL(AMT)	0.000	64.411	b) Mumbai Drawl	17.192	519.467
5) WPCL	5.498	69.206	c) MSEDCL Bilateral *	28.420	803.940
6) Other IPP	12.572	324.608	Include PX	1.580	119.068
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	15.527	493.017
C) 1) TPCL Thermal	10.491	299.474	Include PX	3.267	142.478
2) TPCL Hydro	3.352	81.578	Standby	0.000	0.000
3) TPCL Gas	3.027	67.550	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.000	224.255	1) MSEDCL	360.453	9639.282
D) STATE			2) Mumbai Discoms	43.062	1192.329
1) Thermal	250.909	6464.600	TOTAL STATE	403.515	10831.611
(A1+C1+C4+(B1-B6))					
2) Hydro	9.807	282.955			
(A2+C2)					
3) Gas	7.567	226.654			
(A3+B7+C3)					
4) Wind	8.858	301.883			
6) SOLAR	7.875	173.719			
TOTAL STATE	285.016	7449.811			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 12 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	5801	5852	5155	5271
MSPGCL Hydro	502	367	360	140
MSPGCL Gas	160	196	264	134
MSPGCL Total Generation	6463	6415	5779	5545
Central Sector Receipt	5839	5746	4487	4475
WIND	246	169	448	443
CPP / IPP Thermal	4521	4528	3769	3518
CPP / IPP Gas	0	0	0	0
SOLAR	1061	1060	0	0
Exchange with Mumbai	-740	-744	-680	-693
MSEDCL DEMAND MET	17390	17174	13803	13288
Load Shedding	0	0	0	0
MSEDCL DEMAND	17390	17174	13803	13288
TPCL GENERATION	786	768	814	595
AEML GENERATION	372	373	375	373
MUMBAI DEMAND	1898	1885	1869	1661
STATE DEMAND MET	19288	19059	15672	14949
STATE DEMAND	19288	19059	15672	14949
Frequency (Hz)	49.99	50.00	49.98	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.21 Hz at 10.30 Hrs	49.81 Hz at 22.08 Hrs	50	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/Mar/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	12.18	245.54	550	430
Unit 9	12.80	256.80	608	461
Unit 10	11.93	246.09	530	460
Total	36.90	748.43		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	211.68	0	0
Unit 5	0.38	212.19	335	0
Total	0.38	423.87		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	77.26	0	0
Unit 7	0.00	69.80	0	0
Unit 8	3.70	120.48	250	0
Total	3.70	267.54		
Chandrapur				
Unit 3	4.13	97.04	190	163
Unit 4	4.00	92.27	175	160
Unit 5	6.91	136.24	403	0
Unit 6	8.30	221.38	420	0
Unit 7	9.40	196.91	434	349
Unit 8	10.36	201.43	480	360
Unit 9	9.43	228.79	450	330
Total	52.53	1174.05		
Paras				
Unit 3	5.40	108.17	243	187
Unit 4	5.56	111.57	254	192
Total	10.96	219.74		
Khaparkheda				
Unit 1	3.66	90.12	175	125
Unit 2	3.92	94.99	190	160
Unit 3	3.90	92.70	200	152
Unit 4	3.95	87.82	195	160
Unit 5	9.96	235.02	500	360
Total	25.41	600.66		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	3.91	93.78	167	160
Unit 5	0.00	0.00	0	0
Total	3.91	93.78		
Uran				
All Units	4.54	159.10	276	124
Total	4.54	159.10		
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)	0.09	1.21	53	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.09	1.21		
Koyna				
Stage 1-2	2.88	63.14	360	40
Stage 4	0.00	55.24	0	0
Stage 3	0.81	25.71	160	0
Total	3.68	144.10		
Hydro				
KDPH	0.88	16.27	37	36
VTRNA	0.00	0.00	0	0
TILLARI	0.18	8.62	60	0
BHTGR/VEER	0.00	0.36	0	0
BHIRA T.R.	0.19	4.01	70	0
RNGR+BHTSA	0.35	7.59	15	14
BHANDARDRA	0.46	7.56	29	13
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.72	11.38	40	27
GHATGHAR	0.00	1.49	0	0
Total	2.77	57.28		
Wind				
Total	8.86	301.88	0	0
Total	8.86	301.88		
CPP				
APML(Mus)	65.39	1582.51	0	0
JSWEL(Mus)	14.17	372.06	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	0.00	64.41	0	0
WPCL(Mus)	5.50	69.21	0	0
Other(Mus)	12.57	324.61	0	0
Total	97.63	2412.80		
SOLAR				
Total	7.88	173.72	0	0
Total	7.88	173.72		
Tata				
Trombay 5	6.45	193.04	288	265
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.76	40.24	97	59
Trombay 7B	1.27	27.31	61	47
Trombay 8	4.04	106.43	177	152
TATA Hydro	3.35	81.58	290	21
Total	16.87	448.60		
AEML				
DTPS U-1&2	9.00	224.26	412	372
Total	9.00	224.26		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	133.79	3528.07	MSPGCL Total	144.78	3888.56
			MSPGCL Thml+Gas	138.33	3687.18	Koyna 1,2 & 4 Total	2.88	118.38
			MSPGCL Hydro	6.46	201.38	State Total	285.02	7449.81

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 23/Mar/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	5568	180	135	5883	551	3509	0	0	4242	4396	-810	13529	0	13529	1822	15351	50.01
2	5290	135	125	5550	457	3505	0	0	4472	4542	-740	13314	0	13314	1740	15054	50.02
3	5271	140	134	5545	443	3518	0	0	4460	4475	-693	13288	0	13288	1661	14949	49.97
4	5256	170	126	5552	446	3508	0	0	4495	4513	-667	13352	0	13352	1615	14967	50.02
5	5408	136	137	5681	448	3666	0	0	4685	4731	-659	13867	0	13867	1593	15460	50.01
6	5845	191	126	6162	485	4029	0	0	4780	4656	-682	14650	0	14650	1617	16267	49.99
7	6200	305	127	6632	577	4329	0	14	5173	4855	-669	15738	0	15738	1651	17389	50.03
8	6122	261	137	6520	543	4379	0	189	5462	5157	-686	16102	0	16102	1690	17792	50.00
9	5871	356	124	6351	412	4278	0	482	5058	5097	-718	15902	0	15902	1752	17654	49.95
10	5800	442	133	6375	363	4300	0	779	5347	5214	-723	16308	0	16308	1830	18138	49.99
11	5784	313	129	6226	339	4497	0	971	5392	5447	-730	16750	0	16750	1883	18633	50.06
12	5801	502	160	6463	246	4521	0	1061	5730	5839	-740	17390	0	17390	1898	19288	49.99
13	5852	367	196	6415	169	4528	0	1060	5762	5746	-744	17174	0	17174	1885	19059	50.00
14	5982	174	200	6356	159	4544	0	1026	5599	5678	-731	17032	0	17032	1862	18894	49.97
15	6003	138	201	6342	177	4565	0	909	5619	5528	-703	16818	0	16818	1842	18660	49.99
16	5729	273	214	6216	166	4569	0	719	5561	5584	-690	16564	0	16564	1804	18368	50.01
17	5673	318	257	6248	228	4576	0	471	5125	4909	-612	15820	0	15820	1779	17599	49.95
18	5416	224	271	5911	259	4361	0	183	4632	4650	-616	14748	0	14748	1773	16521	50.04
19	5107	207	262	5576	256	3974	0	11	4503	4321	-607	13531	0	13531	1748	15279	50.01
20	5155	360	264	5779	448	3769	0	0	4559	4487	-680	13803	0	13803	1869	15672	49.98
21	4933	269	274	5476	517	3547	0	0	4530	4554	-796	13298	0	13298	1929	15227	49.99
22	5126	294	276	5696	410	3554	0	0	4438	4667	-784	13543	0	13543	1931	15474	50.00
23	5276	376	265	5917	372	3672	0	0	4558	4853	-860	13954	0	13954	1927	15881	49.98
24	5321	324	267	5912	387	3931	0	0	4750	4600	-852	13978	0	13978	1961	15939	50.02
MUs	133.79	6.46	4.54	144.78	8.86	97.63	0.00	7.87	118.93	118.50	-17.19	360.45	0.00	360.45	43.06	403.52	50.00

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/Mar/2020

Position as on 6.30 Hrs of 24/Mar/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	
CPP	SWPGL U-4	135	15/12/2018	00.00		Continued.	No Schedule	
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	
IPP	JSW (J) U1	300	01/03/2020	06.10		Continued.	Governor Valve Replacement.	
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	Uran Unit 6	108	21/03/2020	15.15		Continued.	Gas shortage	
MSPGCL	Parli Unit 6	250	21/03/2020	17.31		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Parli Unit 7	250	22/03/2020	10.45		Continued.	Zero Schedule. (R S D FROM 10:45 TO 16:00 Hrs.)	
MSPGCL	Bhusawal Unit 4	500	22/03/2020	18.30		Continued.	Zero Schedule.	
MSPGCL	Bhusawal Unit 5	500	23/03/2020	01.13		Continued.	Zero schedule.	
MSPGCL	Chandrapur Unit 5	500	23/03/2020	14.56	23/03/2020	19.04	Boiler feed pump trip.	
MSPGCL	Parli Unit 8	250	23/03/2020	18.00		Continued.	Zero Schedule.	
IPP	Adani U-4	660	23/03/2020	18.27		Continued.	HOT PA bellow leakage.	
MSPGCL	Chandrapur Unit 6	500	23/03/2020	21.59		Continued.	Clinker Removal Work.	

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

Statement-VII

Position as on 6.30 Hrs of 24/Mar/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	22/03/2020	13.26	23/03/2020	06:45	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	23/03/2020	17.19		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	22/03/2020	00.19	23/03/2020	09.46	HT	Over Voltage
Babhaleshwar - Padghe-II	IntraState	22/03/2020	08.19		Continued.	T	Over Voltage
Koradi-Bhusawal	IntraState	22/03/2020	12.54	23/03/2020	06:29	T	Distance Protection
Padghe - Kalwa-II	IntraState	22/03/2020	16.57		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	22/03/2020	18:12	23/03/2020	09:29	HT	Over Voltage
Koradi-Bhusawal	IntraState	23/03/2020	11.54		Continued.	T	Distance Protection
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 500 Mva Ict 2 @ CHANDRAPUR 2	IntraState	09/03/2020	12.57		Continued.	EO	Testing work (Bushing Tan Delta problem hence kept out.)
400/220 Kv 500 MVA ICT-IV @Kalwa	IntraState	22/03/2020	10.13		Continued.	HT	Hand tripped from LV end to control 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)
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To Control Line Loading (H/T from Boisar end)
Borivali - Ghodbunder	IntraState	30/01/2020	12.05		Continued.	PO	Isolation of 220KV Cables on MSETCL Tower NO.240
Lonand-Baramati	IntraState	16/02/2020	09.37		Continued.	PO	Erection of CTT-2 Tower Work For 220Kv Baramati-Lonand & Baramati Jejuri Cables Emanating from 220Kv Baramati S/Stn.
Karad(400kv) -Mudshingi Ckt 2-Tak	IntraState	02/03/2020	11.12		Continued.	PO	Stringing Of New Earth Wire at loc no.112 to 132.
New Koyana - Pedambe	IntraState	23/03/2020	08.35	23/03/2020	14.28	PO	Replacement of jumper from R Ph CT to Line side Isolator.
Loteparshuram- Dasturi Line	IntraState	23/03/2020	10.17	23/03/2020	13.03	PO	Outage for attending hot spot of B-phase Line isolator palm at CB side of said Line.
220 KV ICT Outages/Trippings							
Carnac : 220 / 110 / 33 315 MVA ICT 5	IntraState	14/03/2020	11.00		Continued.	PO	Shifting 220KV Side to New GIS
220/100 Kv 200 MVA ICT IV @Padghe	IntraState	22/03/2020	18.48		Continued.	HT	Abnormal sound observed.

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