

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 19/Mar/2023 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	128.796	3010.222	1) Gujrat	1.140	53.568
2) Hydro	6.936	212.081	2) Madhya Pradesh	4.143	94.870
3) Gas	2.714	78.936	3) Chattisgarh	5.040	79.000
Total MSPGCL	138.446	3301.239	4) Maharashtra	149.035	3134.573
B) 1) APML	72.990	1271.358	5) Goa (Amona)	-1.132	-30.935
2) JSWEL	22.740	479.642	Total	158.226	3331.076
3) VIPL	0.000	0.000	a) Mumbai Schedule	28.861	594.662
4) RPL(AMT)	29.517	573.702	b) Mumbai Drawl	34.264	699.449
5) SWPGPL	8.665	191.516	c) MSEDCL Bilateral *	87.799	1619.237
6) Other IPP	33.875	760.692	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	28.861	594.662
C) 1) TPCL Thermal	9.632	204.151	Include PX	0.000	0.000
2) TPCL Hydro	1.910	56.245	Standby	0.000	0.000
3) TPCL Gas	2.187	52.644	H) ENERGY CATERED (MUs)		
4) AEML Thermal	7.649	204.289	1) MSEDCL	452.882	9480.224
D) STATE			2) Mumbai Discoms	55.642	1216.778
1) Thermal	313.864	6695.572	3) Other Discoms	10.055	191.954
(A1+C1+C4+(B1-B6))			TOTAL STATE	518.579	10888.956
2) Hydro (A2+C2)	8.846	268.326			
3) Gas (A3+B7+C3)	4.901	131.580			
4) Wind	16.989	213.593			
6) SOLAR	15.753	248.809			
TOTAL STATE	360.353	7557.880			

* 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	5451	4850	5753	5387
MSPGCL Hydro	255	191	363	264
MSPGCL Gas	113	114	114	112
MSPGCL Total Generation	5819	5155	6230	5763
Central Sector Receipt	7718	7995	6588	5904
WIND	111	284	1632	206
CPP / IPP Thermal	7162	6753	7037	7177
CPP / IPP Gas	0	0	0	0
SOLAR	2052	2129	0	0
Exchange with Mumbai	-1627	-1621	-1484	-1216
MSEDCL DEMAND MET	20785	20247	19544	17508
Load Shedding	0	0	0	0
MSEDCL DEMAND	20785	20247	19544	17508
TPCL GENERATION	557	558	624	502
AEML GENERATION	297	308	338	334
MUMBAI DEMAND	2481	2487	2446	2052
OTHER DISCOM DEMAND	450	448	459	325
STATE DEMAND MET	23716	23182	22449	19886
STATE DEMAND	23716	23182	22449	19886
Frequency (Hz)	50.13	49.96	50.04	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.3 Hz at 10.00 Hrs	49.77 Hz at 01.36 Hrs	50.02	0 % of Time(min)

Note : The report is based on Operational Data and is for statistical purpose only.

Daily and Progressive Generation,Maximum,Minimum for 19/Mar/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.09	85.55	195	135
Unit 8	0.00	183.93	0	0
Unit 9	12.16	254.56	610	452
Unit 10	11.72	139.31	574	399
Total	27.97	663.35		
Bhusawal				
Unit 3	2.94	62.48	140	110
Unit 4	7.24	180.88	455	275
Unit 5	7.26	191.22	480	275
Total	17.44	434.58		
Parli				
Unit 6	3.63	88.50	162	142
Unit 7	3.50	86.70	162	140
Unit 8	3.37	66.73	149	132
Total	10.50	241.92		
Chandrapur				
Unit 3	3.00	67.06	133	120
Unit 4	2.96	61.19	130	120
Unit 5	3.13	90.01	287	0
Unit 6	8.51	163.06	365	344
Unit 7	7.18	158.91	319	259
Unit 8	7.90	201.51	498	279
Unit 9	7.92	169.91	445	283
Total	40.59	911.66		
Paras				
Unit 3	1.62	85.55	230	0
Unit 4	4.22	98.94	223	140
Total	5.84	184.49		
Khaparkheda				
Unit 1	2.40	51.82	115	70
Unit 2	2.76	57.75	122	100
Unit 3	3.28	67.49	170	130
Unit 4	3.21	73.44	174	125
Unit 5	8.34	197.60	480	272
Total	20.00	448.10		
Nasik				
Unit 3	0.00	0.97	0	0
Unit 4	3.27	58.63	181	117
Unit 5	3.18	66.51	168	116
Total	6.45	126.12		
Uran				
All Units	2.71	78.94	116	109
Total	2.71	78.94		
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	2.30	40	0
Total	0.09	2.30		
Koyna				
Stage 1-2	1.17	50.88	185	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.00	50.79	0	0
Stage 3	0.19	21.72	80	0
Total	1.36	123.39		
Hydro				
KDPH	0.86	15.97	36	36
VTRNA	1.18	20.58	61	0
TILLARI	0.46	4.98	58	0
BHIRA T.R.	0.14	2.59	40	0
SMLHY_PTN	2.84	42.27	123	115
GHATGHAR	0.00	0.00	0	0
Total	5.49	86.40		
Wind				
Total	16.99	213.59	0	0
Total	16.99	213.59		
CPP				
APML(Mus)	72.99	1271.36	0	0
JSWEL(Mus)	22.74	479.64	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	29.52	573.70	0	0
SWPGPL-Mus	8.66	191.52	0	0
Dhariwal	5.88	114.02	272	232
IEPL	4.31	94.76	197	151
Other(Mus)	23.68	551.91	0	0
Total	167.79	3276.91		
SOLAR				
Total	15.75	248.81	0	0
Total	15.75	248.81		
Tata				
Trombay 5	6.45	135.33	270	268
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.22	31.02	108	38
Trombay 7B	0.97	21.63	64	31
TATA Hydro	1.91	56.24	207	14
Trombay 8	3.18	68.82	146	130
Total	13.73	313.04		
AEML				
DTPS U-1&2	7.65	204.29	372	287
Total	7.65	204.29		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	128.80	3010.22	MSPGCL Total	138.45	3301.24
			MSPGCL Thml+Gas	131.51	3089.16	Koyna 1,2 & 4 Total	1.17	101.67
			MSPGCL Hydro	6.94	212.08	State Total	360.35	7557.88

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/Mar/2023

Annexure-2

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDC L DEM. MET	LOAD SHED DING	MSEDC L DEM. WITH LS	MUMBAI DEMAN D	OTHER DISCOM DEMAN D	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS											
1	5647	260	113	6020	576	7162	0	0	6423	5765	-1475	17664	0	17664	2420	384	20468	50.00
2	5427	257	113	5797	471	7148	0	0	6311	5790	-1387	17483	0	17483	2276	336	20095	49.93
3	5268	258	113	5639	427	7219	0	0	6210	5964	-1335	17586	0	17586	2147	328	20061	49.96
4	5387	264	112	5763	206	7177	0	0	6077	5904	-1216	17508	0	17508	2052	325	19886	50.00
5	5684	283	111	6078	179	7230	0	0	6055	5816	-1203	17757	0	17757	2019	342	20119	50.01
6	5832	332	113	6277	186	7195	0	0	6399	6291	-1152	18431	0	18431	2051	366	20848	50.01
7	6034	397	112	6543	149	7203	0	30	6742	6589	-1106	19020	0	19020	2095	388	21503	50.03
8	6407	455	109	6971	130	7168	0	383	6863	6664	-1161	19733	0	19733	2141	422	22296	50.06
9	6081	376	113	6570	91	6993	0	970	7122	6904	-1328	19765	0	19765	2235	435	22435	50.10
10	5468	285	113	5866	77	7143	0	1656	7727	7469	-1495	20277	0	20277	2358	440	23074	50.11
11	5451	255	113	5819	111	7162	0	2052	8226	7718	-1627	20785	0	20785	2481	450	23716	50.13
12	4971	221	113	5305	207	6822	0	2197	8487	8127	-1633	20576	0	20576	2501	449	23526	49.95
13	4850	191	114	5155	284	6753	0	2129	8171	7995	-1621	20247	0	20247	2487	448	23182	49.96
14	4903	197	115	5215	394	6905	0	1839	7844	7721	-1548	20084	0	20084	2422	442	22948	50.13
15	4978	193	116	5287	649	6897	0	1715	7831	7118	-1537	19683	0	19683	2401	446	22530	50.05
16	4888	196	114	5198	949	6463	0	1492	7551	7342	-1555	19444	0	19444	2394	445	22283	50.00
17	4904	298	114	5316	1101	6583	0	950	6863	6762	-1517	18745	0	18745	2354	450	21549	49.98
18	4954	455	113	5522	1325	6922	0	322	6399	6406	-1435	18602	0	18602	2305	460	21367	50.04
19	5502	343	113	5958	1548	7032	0	18	6109	5669	-1324	18443	0	18443	2336	458	21237	50.00
20	5753	363	114	6230	1632	7037	0	0	6556	6588	-1484	19544	0	19544	2446	459	22449	50.04
21	5458	288	114	5860	1581	6980	0	0	6357	5807	-1475	18299	0	18299	2452	453	21205	50.00
22	5102	254	114	5470	1566	6887	0	0	6218	5977	-1495	17953	0	17953	2429	451	20834	50.00
23	4958	257	113	5328	1583	6745	0	0	6251	5921	-1566	17559	0	17559	2420	451	20431	50.01
24	4889	258	112	5259	1567	6961	0	0	6237	5919	-1589	17690	0	17690	2420	426	20537	50.01
MUs	128.80	6.94	2.71	138.45	16.99	167.79	0.00	15.75	165.03	158.23	-34.26	452.88	0.00	452.88	55.64	10.06	518.58	50.02

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 19/Mar/2023

Position as on 6.30 Hrs of 20/Mar/2023

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
IPP	SWPGPL U-2	135	19/03/2023	00:17	19/03/2023	14:25	TURBINE CONTROL VALVE RECTIFICATION WORK	
IPP	JSW (J) U1	300	19/03/2023	17:29		Continued.	Zero Schedule	
FORCED OUTAGE								
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule (NO PPA)	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule.(NO PPA)	
IPP	VIPL U-1	300	29/12/2018	00.30		Continued.	Coal Shortage. (NO PPA From 20.05.2019)	
IPP	VIPL U-2	300	17/01/2019	00.15		Continued.	Coal shortage.(NO PPA From 20.05.2019)	
CENT.SECTOR	Tarapur 1	160	08/01/2020	10:37		Continued.	Refueling. While refueling preparation, some repair works identified which are being executed before refueling.	01/04/2024
MSPGCL	Uran Unit 7	108	25/05/2020	12.51		Continued.	Turbine Blade Failure	07/04/2023
CENT.SECTOR	Tarapur 2	160	13/07/2020	04:38		Continued.	For cleaning of clogged basket strainer of cooling water system due to heavy ingress of debris from sea. The outage extended for repair and re-fueling.	01/05/2024
MSPGCL	Koradi Unit 7	210	27/04/2021	20.03		Continued.	Retired (04/08/2021 At 00.00)	
MSPGCL	Ghatghar Unit-1	125	20/04/2022	00:35		Continued.	Stator Earth Fault	31/07/2023
MSPGCL	Uran Unit A0	120	07/09/2022	16:30		Continued.	TURBINE TRIPPED ON HIGH VIBRATIONS	30/05/2023
MSPGCL	Uran Unit 5	108	12/11/2022	13:23		Continued.	Gas shortage	
MSPGCL	Ghatghar Unit-2	125	08/02/2023	07:02		Continued.	Stator Earth Fault	30/04/2023
MSPGCL	Nasik Unit 3	210	10/03/2023	15:22		Continued.	Axial shift high	23/03/2023
MSPGCL	Koradi Unit 8	660	15/03/2023	02:06		Continued.	Boiler Tube Leakage	21/03/2023
MSPGCL	Paras Unit 3	250	18/03/2023	04:35	19/03/2023	14:10	Tripped on EHTC Fault	20/03/2023
MSPGCL	Uran Unit 6	108	18/03/2023	12:44		Continued.	ZERO SCHEDULE.	
MSPGCL	Chandrapur Unit 5	500	19/03/2023	11:15		Continued.	Drum Door Leakage Attending work	21/03/2023

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Mar/2023

Statement-VII

Position as on 6.30 Hrs of 20/Mar/2023

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							
SOLAPUR PG - ALKUD	InterState	19/03/2023	18:39	20/03/2023	00:23	PO	Quarterly maintenance & diagnostic testing work.
DABHOL - NEW KOYNA CKT - 2	IntraState	19/03/2023	02:28	19/03/2023	18:29	T	Tripped on distance protection in Zone 3
NAGOTHANE - DABHOL CKT - 1	IntraState	19/03/2023	02:29	19/03/2023	07:51	T	Tripped on distance protection from Dhabhol end
KORADI II - IEPL	IntraState	19/03/2023	08:37	19/03/2023	20:40	PO	Routine Line Maintainance work
BABHALESHWAR - PADGHE CKT - 2	IntraState	19/03/2023	11:45	19/03/2023	18:57	PO	TO ATTEND DEFECTS IDENTIFIED IN MONKEY PATROLLING UNDER PADGHE AND JUNNER S-DN:-1. To FIX REPAIR SLEEVE AT BROKEN CONDUCTOR STRANDS.2. REPLACEMENT OF BROKEN AND FLASHOVER DISC INSULATORS STRINGS.3. CHEMICAL AND COLD WASHING OF DUST/BIRD SHIT POLLUTED INSULATOR STRING.4. FIX OF BIRD GUARD AT INSULATORS STRING AT BIRD SHIT LOCATIONS.5. FIXING OF MISSING/DAMAGED HARDWARE.6. TIGHTENING LOOSE OF NUT BOLTS OF CONDUCTOR JUMPER AND EARTHWIRE HARDWARE. works at 400kV Padghe 1) Bay maint work 2) diagnostic testing work 3) MTAMC work 4) Replacement of LA under LES scheme. 5) Replacement of 29C bus PG isolator under LES scheme.
LONIKAND 2 - KARJAT CKT - 2	IntraState	19/03/2023	15:49	19/03/2023	16:19	T	Tripped on Distance Protection.
400 KV ICT Outages/Trippings							
STATION TF No 3 @ CHANDRAPUR GCR	IntraState	01/03/2023	15:07			PO	1) Oil filtration work 2) Testing of Station transformer 3) Preventive maintenance work.
400 KV BUSBAR Outages/Trippings							
MAIN BUS - 1 @ DHARIWAL	IntraState	18/03/2023	10:28			PO	STU CTU bus connection as per CERC order
220 KV MAINBAY Outages/Trippings							
BUS COUPLER @ SONKAR	IntraState	19/03/2023	14:37	19/03/2023	19:02	EO	1) Outage is required on 220KV Bus-2 (220 KV bus coupler,220 kv sonkhar �Trombay line,50 mva T/f no 3) at 220KV Sonkhar S/stn. 2) 220KV Trombay-Sonkhar Outage is already proposed by Trombay S/stn. 3) During the outage following work is proposed: i)Servicing & overhauling of 220 kV main bus isolators ii)Replacement of moving blade,jaw & isolator gearbox of 29A main bus isolator of 220kV Sonkhar-Trombay line iii)Tightening of nutbolts & RM work of 220kV main bus-2 iv)Painting of bus PT-2

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Mar/2023

Statement-VII

Position as on 6.30 Hrs of 20/Mar/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220 KV LINE Outages/Trippings							
EKLAHARE (OCR) - NAVASARI CKT - 1	IntraState	10/02/2023	09:45			PO	Breaker overhauling work. (RFC AT 21:23 HRS DT.10/02/2023 AND KEPT OPENED FOR LOAD MANAGEMENT)
EKLAHARE (OCR) - PADGHE	IntraState	05/03/2023	08:55			HT	For load management
CTRLS - NET MAGIC GIS	IntraState	07/03/2023	12:43			T	Distance Protection.
TOPWORTH - Vile - bhagad	IntraState	19/03/2023	08:55	19/03/2023	14:50	PO	Cold washing of insulator string, Outage tree cutting work and other line maintenance work.
BHAVEGHAR - ROMA	IntraState	19/03/2023	10:57	19/03/2023	17:50	PO	Shifting of existing line to ERS towers between loc no113to116 for the Work of Shifting / Height raising of various EHV (220/100KV) transmission lines infringing in Mumbai - Ahmadabad High Speed Rail Corporation Ltd.
EKLAHARE (GCR) - AIROLI KNOW PARK	IntraState	19/03/2023	11:37	19/03/2023	23:10	HT	For load management
THEUR- MAGAR PATTI CITY	IntraState	19/03/2023	13:27	19/03/2023	15:31	EO	Replacement of flashover SSN string at L. N -28, R Phase
SONKHAR - TROMBAY	IntraState	19/03/2023	14:12	19/03/2023	19:31	EO	For: 1) Testing of Coupling Capacitor 2) Faulty LMU replacement & Commissioning work 3) Reconnecting of jumper of Coupling Capacitor
KANDALGAON - KOYNA (POPHALI)	IntraState	19/03/2023	15:33	19/03/2023	20:45	PO	For cold washing of line insulators.
220 KV ICT Outages/Trippings							
220 / 110 / 22kv 250 MVA ICT 1 @ SALSETTE	IntraState	12/10/2020	11:35			T	Tripped due to Grid disturbance.
220 / 110 / 22kv 250 MVA ICT 2 @ SALSETTE	IntraState	10/11/2022	10:35			EO	For attending to abnormal Nosie from ICT
220 / 110 / 33kv 250MVA ICT 9 @ DHARAVI	IntraState	19/03/2023	09:15	20/03/2023	00:36	EO	for reconnecting jumpers at ICT side between bushing and cable sealing end.
220 KV BUSBAR Outages/Trippings							
GIS BUS - 1 @ SALSETTE	IntraState	17/03/2023	09:33			PO	KS # 5 New Bay connection to GIS BUS.
110 KV BUSBAR Outages/Trippings							
ZONE 2 (BUS SECTION 3+4+5+6) @ BHIVPURI	IntraState	19/03/2023	06:35	19/03/2023	17:10	PO	R/M

HT : Hand Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage