

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 20/Feb/2023 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	162.877	3095.008	1) Gujrat	4.251	-63.280
2) Hydro	17.293	259.818	2) Madhya Pradesh	2.419	79.260
3) Gas	3.290	95.397	3) Chattisgarh	4.470	90.980
Total MSPGCL	183.460	3450.223	4) Maharashtra	170.496	3407.333
B) 1) APLM	76.169	1463.464	5) Goa (Amona)	-1.387	-27.058
2) JSWEL	23.193	394.947	Total	180.249	3487.235
3) VIPL	0.000	0.000	a) Mumbai Schedule	32.584	583.681
4) RPL(AMT)	31.149	605.025	b) Mumbai Drawl	41.179	694.709
5) SWPGPL	7.358	162.301	c) MSEDCL Bilateral *	74.227	1440.646
6) Other IPP	41.616	848.153	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	32.584	583.281
C) 1) TPCL Thermal	11.378	153.862	Include PX	0.000	0.000
2) TPCL Hydro	3.612	79.693	Standby	0.000	0.400
3) TPCL Gas	0.252	31.114	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.821	196.258	1) MSEDCL	512.509	10040.458
D) STATE			2) Mumbai Discoms	66.242	1155.636
1) Thermal	363.561	6919.018	3) Other Discoms	10.142	198.181
(A1+C1+C4+(B1-B6))			TOTAL STATE	588.893	11394.275
2) Hydro	20.905	339.511			
(A2+C2)					
3) Gas	3.542	126.511			
(A3+B7+C3)					
4) Wind	5.044	207.299			
6) SOLAR	15.592	314.701			
TOTAL STATE	408.644	7907.040			

* 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 2 Hrs
MSPGCL Thermal	7151	7082	6763	6057
MSPGCL Hydro	865	619	1614	146
MSPGCL Gas	134	133	138	139
MSPGCL Total Generation	8150	7834	8515	6342
Central Sector Receipt	8729	8422	7219	6757
WIND	98	92	207	352
CPP / IPP Thermal	7659	7298	7708	7310
CPP / IPP Gas	0	0	0	0
SOLAR	2109	2067	0	0
Exchange with Mumbai	-2186	-2171	-1634	-1376
MSEDCL DEMAND MET	24103	23091	21566	19047
Load Shedding	0	0	0	0
MSEDCL DEMAND	24103	23091	21566	19047
TPCL GENERATION	729	711	939	436
AEML GENERATION	470	495	460	344
MUMBAI DEMAND	3385	3377	3033	2156
OTHER DISCOM DEMAND	456	451	449	338
STATE DEMAND MET	27944	26919	25048	21541
STATE DEMAND	27944	26919	25048	21541
Frequency (Hz)	50.02	50.00	49.98	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.32 Hz at 18.03 Hrs	49.74 Hz at 04.13 Hrs	50	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 20/Feb/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.72	84.02	210	180
Unit 8	13.73	274.67	626	541
Unit 9	13.07	264.38	565	515
Unit 10	12.87	240.94	612	505
Total	44.38	864.01		
Bhusawal				
Unit 3	3.33	66.24	170	120
Unit 4	9.90	203.93	500	285
Unit 5	10.07	200.48	490	280
Total	23.30	470.64		
Parli				
Unit 6	4.97	92.87	233	145
Unit 7	4.86	56.26	245	137
Unit 8	3.40	68.76	151	135
Total	13.23	217.89		
Chandrapur				
Unit 3	3.68	70.99	172	123
Unit 4	3.31	59.44	150	116
Unit 5	0.00	76.31	0	0
Unit 6	9.23	171.22	430	290
Unit 7	0.00	0.00	0	0
Unit 8	11.56	224.86	498	392
Unit 9	11.75	141.16	500	442
Total	39.54	743.99		
Paras				
Unit 3	4.79	99.22	230	162
Unit 4	5.57	114.83	241	219
Total	10.36	214.04		
Khaparkheda				
Unit 1	2.68	41.68	120	100
Unit 2	2.88	55.02	143	95
Unit 3	3.82	73.56	180	130
Unit 4	4.08	63.55	193	130
Unit 5	11.40	215.06	500	427
Total	24.85	448.88		
Nasik				
Unit 3	3.65	73.36	178	117
Unit 4	0.00	2.54	0	0
Unit 5	3.56	59.64	171	112
Total	7.21	135.55		
Uran				
All Units	3.29	95.40	141	132
Total	3.29	95.40		
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)	0.16	8.89	47	0
Total	0.16	8.89		
Koyna				
Stage 1-2	4.14	67.34	485	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	6.61	63.31	750	0
Stage 3	2.44	28.17	308	0
Total	13.19	158.82		
Hydro				
KDPH	0.43	15.11	18	18
VTRNA	0.83	12.08	60	0
TILLARI	0.47	8.02	60	0
BHIRA T.R.	0.16	4.93	40	0
SMLHY_PTN	2.05	47.33	93	79
GHATGHAR	0.00	4.64	0	0
Total	3.94	92.10		
Wind				
Total	5.04	207.30	0	0
Total	5.04	207.30		
CPP				
APML(Mus)	76.17	1463.46	0	0
JSWEL(Mus)	23.19	394.95	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	31.15	605.02	0	0
SWPGPL-Mus	7.36	162.30	0	0
Dhariwal	0.00	18.40	0	0
IEPL	5.96	102.89	264	228
Other(Mus)	35.66	726.87	0	0
Total	179.48	3473.89		
SOLAR				
Total	15.59	314.70	0	0
Total	15.59	314.70		
Tata				
Trombay 5	7.51	72.01	460	264
Trombay 6	0.00	0.00	0	0
Trombay 7A	0.25	17.18	78	0
Trombay 7B	0.00	13.94	0	0
TATA Hydro	3.61	79.69	269	5
Trombay 8	3.87	81.85	231	131
Total	15.24	264.67		
AEML				
DTPS U-1&2	9.82	196.26	495	322
Total	9.82	196.26		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	162.88	3095.01	MSPGCL Total	183.46	3450.22
			MSPGCL Thml+Gas	166.17	3190.40	Koyna 1,2 & 4 Total	10.75	130.65
			MSPGCL Hydro	17.29	259.82	State Total	408.64	7907.04

State Load Despatch Center, Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 20/Feb/2023

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	6226	147	138	6511	345	7288	0	0	6935	6703	-1488	18989	0	18989	2297	370	21656	50.03
2	6057	146	139	6342	352	7310	0	0	7075	6757	-1376	19047	0	19047	2156	338	21541	50.00
3	6049	147	140	6336	378	7233	0	0	7271	6910	-1278	19252	0	19252	2048	327	21627	49.96
4	5923	146	139	6208	348	7293	0	0	7299	7091	-1239	19379	0	19379	1992	322	21693	49.97
5	6143	193	139	6475	288	7313	0	0	7174	7406	-1221	19929	0	19929	1987	332	22248	49.92
6	6881	472	140	7493	234	7508	0	0	6883	6901	-1197	20566	0	20566	2096	373	23035	49.99
7	7126	1077	141	8344	193	7735	0	8	6732	6617	-1235	21267	0	21267	2259	395	23921	50.01
8	7235	1582	140	8957	238	7732	0	261	6526	6860	-1159	22446	0	22446	2497	443	25386	50.04
9	7229	1403	139	8771	130	7753	0	886	6720	7121	-1376	22825	0	22825	2789	460	26074	50.09
10	7237	1022	140	8399	113	7707	0	1461	7528	7522	-1678	23068	0	23068	3072	456	26596	49.99
11	7221	1113	134	8468	94	7681	0	1907	8224	8292	-1929	24047	0	24047	3316	466	27829	50.02
12	7151	865	134	8150	98	7659	0	2109	8647	8729	-2186	24103	0	24103	3385	456	27944	50.02
13	7082	619	133	7834	92	7298	0	2067	8672	8422	-2171	23091	0	23091	3377	451	26919	50.00
14	6996	386	133	7515	93	7183	0	2107	9043	8915	-2271	23093	0	23093	3207	449	26749	50.00
15	6977	396	132	7505	84	7190	0	1910	9181	9158	-2373	23019	0	23019	3216	455	26690	49.96
16	6965	1007	134	8106	96	7338	0	1561	8862	8755	-2378	23018	0	23018	3245	460	26723	49.98
17	6899	991	134	8024	93	7646	0	961	8577	8295	-2258	22290	0	22290	3204	471	25965	50.00
18	6824	1083	134	8041	100	7699	0	348	7842	7929	-2015	21635	0	21635	3131	467	25233	50.04
19	6703	1335	135	8173	193	7716	0	6	6980	6792	-1810	20592	0	20592	3107	478	24177	50.04
20	6763	1614	138	8515	207	7708	0	0	6847	7219	-1634	21566	0	21566	3033	449	25048	49.98
21	6841	624	140	7605	349	7429	0	0	7328	7066	-1800	20197	0	20197	2897	452	23546	50.03
22	6801	361	136	7298	343	7346	0	0	6947	6879	-1741	19685	0	19685	2747	440	22872	49.98
23	6810	349	139	7298	302	7308	0	0	7006	7049	-1695	19842	0	19842	2636	420	22898	49.92
24	6738	215	139	7092	281	7412	0	0	6990	6861	-1671	19577	0	19577	2548	398	22523	49.94
MUs	162.88	17.29	3.29	183.46	5.04	179.49	0.00	15.59	181.29	180.25	-41.18	512.52	0.00	512.52	66.24	10.13	588.89	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 20/Feb/2023

Position as on 6.30 Hrs of 21/Feb/2023

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Koyna STG-IV Unit-1	250	02/12/2022	18:20		Continued.	Annual Overhaul	22/02/2023
IPP	Dhariwal	300	05/02/2023	00:00		Continued.	Annual Overhaul	22/02/2023
IPP	SWPGPL U-2	135	08/02/2023	00:01		Continued.	Bag Filter replacement work	02/03/2023
MSPGCL	Chandrapur Unit 5	500	12/02/2023	00:05		Continued.	Boiler validity work	27/02/2023
TPC-G	Bhira PSU	150	15/02/2023	04:30		Continued.	Tunnel 1 inspection, RM Trials, Calibration and testing work.	
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.	31/03/2023
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.	31/03/2023
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	28/02/2023
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	Chandrapur Unit 7	500	29/11/2022	09:30		Continued.	DUE TO MAIN TURBINE GLAND SEALING PRESSURE HIGH.	28/02/2023
MSPGCL	Nasik Unit 4	210	01/02/2023	19:24		Continued.	NASHIK TPS U#4 TOLLING FROM DATED 02.02.2023 at 03.43 A.M	
MSPGCL	Ghatghar Unit-2	125	08/02/2023	07:02		Continued.	Stator Earth Fault	30/04/2023
MSPGCL	Uran Unit 6	108	15/02/2023	13:13		Continued.	Gas shortage	
TPC-G	Trombay 7B	60	15/02/2023	16:54		Continued.	Gas shortage	
TPC-G	Trombay 7A	120	18/02/2023	21:27	20/02/2023	16:52	Gas shortage	
TPC-G	Trombay 7A	120	20/02/2023	20:18		Continued.	Gas shortage	
MSPGCL	Paras Unit 4	250	21/02/2023	01:01	21/02/2023	03:36	Furnace Pressure High	
MSPGCL	Chandrapur Unit 6	500	21/02/2023	01:23		Continued.	PA Fan Vibration Problem	
MSPGCL	Khaparkheda Unit 1	210	21/02/2023	02:49		Continued.	Air heater problem	24/02/2023

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Feb/2023

Statement-VII

Position as on 6.30 Hrs of 21/Feb/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400 KV TIEBAY Outages/Trippings							
TIE BAY (409) OF AURANGABAD AND GT - 4 @ DEEPNAGAR	IntraState	20/02/2023	12:48			PO	For servicing & overhauling of 400kV AREVA make C.B. Mechanism
400 KV LINE Outages/Trippings							
PADGHE (GIS) PG - KUDUS CKT - 1	InterState	20/02/2023	07:15			T	R phase CT burst at Kudus end
DHULE - SSSNL CKT - 2	InterState	20/02/2023	11:59	20/02/2023	19:22	PO	For Replacement of PID Suspecious Disc & other Maintenance work.
LONIKAND I - TALEGAON (PGCIL)	InterState	20/02/2023	16:55	20/02/2023	20:27	EO	For shifting 400kV Lonikand-PGCIL(Talegaon) line on 400kV TBC to attend hotspot on 29A R ph PGI (106deg C)
LONIKAND I - TALEGAON (PGCIL)	InterState	20/02/2023	16:55	20/02/2023	20:27	HT	SHIFTED ON TBC AT TALEGAON PG AT LONIKAND END TO ATTEND HOT SPOT
PADGHE - KALWA CKT - 2	IntraState	18/02/2023	00:10	20/02/2023	05:20	PO	Replacement of existing conductor/ hardware/ insulators by HTLS conductor/hardware/ insulators.
MAIN BUS - 2 @ TALANDGE	IntraState	20/02/2023	10:25	20/02/2023	20:22	PO	For erection of jack bus and PG isolator in bay augmentation work of Kolhapur(PG)-Kolhapur(MSETCL)#1 Bay at MSETCL, Talandage(Kolhapur)
PADGHE - KALWA CKT - 1	IntraState	20/02/2023	14:26			PO	1) CB pole Overhauling work as Bph pole SF6 gas contents SO2 beyond permissible limit . 2) Replacement of B bus PG isolator under LES scheme as HTLS conductor work in progress of Kalwa line 3) 400kV Kalwa -1 in service through TBC
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	20/02/2023	15:36			HT	HAND TRIPPED FOR LOAD MANAGEMENT
400 KV ICT Outages/Trippings							
400/220/33 KV 315 MVA ICT - 1 @ CHANDRAPUR	IntraState	20/02/2023	09:50	20/02/2023	21:57	PO	To attend the closing problem of R-ph PG-2 Isolator (Bus-2 Isolator R-ph) by replacing scissor assembly.
220 KV TBC Outages/Trippings							
TBC @ BIDRI	IntraState	20/02/2023	10:05	20/02/2023	17:25	PO	for insulator cleaning & qmw
220 KV MAINBAY Outages/Trippings							
220KV SHIVAJINAGAR - MALEGAON	IntraState	20/02/2023	12:00	20/02/2023	16:48	T	D/P OPTED: S END: Z1, 13.11KM, Y-B PH, ILY = 2.4KA, ILB = 2.4KA.
220 KV LINE Outages/Trippings							
PARLI (OLD GCR) - PARLY (PG) CKT 1	InterState	21/02/2023	07:29			HT	to control OD
EKLAHARE (OCR) - PADGHE	IntraState	05/02/2023	17:54			HT	HT for Load Management
EKLAHARE (OCR) - NAVASARI CKT - 1	IntraState	10/02/2023	09:45			PO	Breaker overhauling work.
BOISAR - VERSOVA	IntraState	13/02/2023	15:28			PO	1) Modification / relocation of existing tower no LS 216 to 223 at Vasai for NHSRCL Project. 2) Modification / relocation of existing tower no LS 223 to 226 at Vasai for DFCCIL project.

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Feb/2023

Statement-VII

Position as on 6.30 Hrs of 21/Feb/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
DAHANU - VERSOVA	IntraState	13/02/2023	15:34			PO	Project activity 1) Modification / relocation of existing tower no LS 216 to 223 at Vasai for NHSRCL Project. 2) Modification / relocation of existing tower no LS 223 to 226 at Vasai for DFCCIL project.
WAGHIVALI - DHARAVI 8	IntraState	17/02/2023	08:06			PO	Project work for shifting of conductor of Trombay Dharavi Salsette line.
ADLABS - PEDAMBE	IntraState	20/02/2023	03:43	20/02/2023	04:40	T	Tripped from Pedhambe end only
KANDALGAON - KOYNA (POPHALI)	IntraState	20/02/2023	04:20	20/02/2023	05:00	T	Tripped from Koyana end only
PEDAMBE-KALAMBANI(TSS)	IntraState	20/02/2023	05:57	20/02/2023	08:55	T	Distance Protection
MAHAD-KALAMBANI(TSS)	IntraState	20/02/2023	05:57	20/02/2023	09:02	T	Tripped at Kalambani end only
ADLABS - PEDAMBE	IntraState	20/02/2023	06:03	20/02/2023	17:11	T	Tripped on distance protection
KANDALGAON - KOYNA (POPHALI)	IntraState	20/02/2023	06:17	20/02/2023	16:10	T	Tripped on distance protection
TILLARI - AMONA LINE	IntraState	20/02/2023	09:20	20/02/2023	15:50	T	Tripped on dist. protection.
EKLAHARE (GCR) - AIROLI KNOW PARK	IntraState	20/02/2023	09:34	20/02/2023	23:13	HT	H/T for load Management
TALANDGE - ICHALKARANJI 1	IntraState	20/02/2023	10:35	20/02/2023	15:35	PO	1) Quarterly bay maintenance work at 220 kV Tilwani end. 2)Wave Trap DSN Work & for attending wave Trap Hotspot..
TALANDGE - ICHALKARANJI 1	IntraState	20/02/2023	10:35	20/02/2023	15:35	PO	For Cold line insulator cleaning of line insulators & replacement of faulty insulator string found critical in P.I.D
SHIVAJINAGAR-MALEGAON	IntraState	20/02/2023	12:00	20/02/2023	16:48	T	Tripped on Distance Protection.
KALMESHWAR-PANDHURNA	IntraState	20/02/2023	13:20	20/02/2023	16:41	T	CB AIR COMPRESSOR WORK.
CHALISGAON - SAYNE	IntraState	20/02/2023	15:39	20/02/2023	16:09	T	TRIPPED ON D/P
PEDAMBE-KALAMBANI(TSS)	IntraState	20/02/2023	18:43	20/02/2023	20:35	EO	For replacement of flashover insulator strings loc no 92 bottom ph.
NIWALI - PAWAS LINE	IntraState	20/02/2023	21:52	21/02/2023	01:57	EO	Replacement of insulator strings at Loc no.25 B ph.
WALUJ - CHITEGAON I	IntraState	21/02/2023	07:05			HT	To control OD
BHUGAON - WARDHA (PG)	IntraState	21/02/2023	07:06			HT	To control O/D
WARDHA (PG) - BADNERA	IntraState	21/02/2023	07:10			T	to control O/D
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
220/100 KV 200 MVA ICT 4 @ PADGHE	IntraState	20/02/2023	09:36	20/02/2023	19:08	PO	1. FOR ATTENDING PROBLEM OF CTR & FDR 2. CHECKING HEALTHYNESS OF CTR 3. TAKING TRIL OF WTI & OTI. 4. ATTENDING HOTSPOT
220/132 KV 100 MVA ICT 3 @ RANJANGAON	IntraState	20/02/2023	10:45	20/02/2023	17:25	PO	Diagnostic Testing Work & General Bay Maintenance
220/132 KV 200 MVA ICT 1	IntraState	20/02/2023	16:48	20/02/2023	20:39	T	DIFFERENTIAL , REF PROT OPTD.

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Feb/2023

Statement-VII

Position as on 6.30 Hrs of 21/Feb/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
110 KV LINE Outages/Trippings							
DHARAVI VIKHROLI	IntraState	10/02/2023	23:17			PO	for 400KV Project work of KVPTL
DHARAVI POWAI	IntraState	10/02/2023	23:35			PO	For 400KV project work on KVPTL

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