

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 23/Apr/2023 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	161.908	3791.010	1) Gujrat	-1.706	-76.506
2) Hydro	7.040	464.562	2) Madhya Pradesh	10.002	207.660
3) Gas	3.344	67.586	3) Chattisgarh	5.230	103.670
Total MSPGCL	172.292	4323.158	4) Maharashtra	186.330	4170.024
B) 1) APLM	57.004	1649.177	5) Goa (Amona)	-1.268	-34.388
2) JSWEL	24.576	580.134	Total	198.588	4370.460
3) VIPL	0.000	0.000	a) Mumbai Schedule	31.685	793.351
4) RPL(AMT)	30.929	685.402	b) Mumbai Drawl	35.231	876.659
5) SWPGPL	11.816	266.206	c) MSEDCL Bilateral *	112.971	2258.839
6) Other IPP	17.531	480.290	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	31.685	793.351
C) 1) TPCL Thermal	10.210	276.302	Include PX	0.000	0.000
2) TPCL Hydro	1.983	124.263	Standby	0.000	0.000
3) TPCL Gas	3.897	73.227	H) ENERGY CATERED (MUs)		
4) AEML Thermal	8.954	213.133	1) MSEDCL	499.749	11880.269
D) STATE			2) Mumbai Discoms	60.275	1563.582
1) Thermal	322.928	7941.654	3) Other Discoms	9.811	234.766
(A1+C1+C4+(B1-B6))			TOTAL STATE	569.835	13678.617
2) Hydro	9.023	588.825			
(A2+C2)					
3) Gas	7.241	140.813			
(A3+B7+C3)					
4) Wind	15.163	287.875			
6) SOLAR	16.892	348.992			
TOTAL STATE	371.247	9308.159			

* 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 16 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	6299	6781	6945	6758
MSPGCL Hydro	216	162	872	217
MSPGCL Gas	137	134	137	142
MSPGCL Total Generation	6652	7077	7954	7117
Central Sector Receipt	9094	9095	8038	7765
WIND	337	377	546	985
CPP / IPP Thermal	5175	5650	6302	6176
CPP / IPP Gas	0	0	0	0
SOLAR	2241	1361	0	0
Exchange with Mumbai	-1500	-1555	-1603	-1291
MSEDCL DEMAND MET	21587	21578	20797	20414
Load Shedding	0	0	0	0
MSEDCL DEMAND	21587	21578	20797	20414
TPCL GENERATION	679	685	680	662
AEML GENERATION	380	390	323	362
MUMBAI DEMAND	2559	2630	2606	2315
OTHER DISCOM DEMAND	412	427	440	339
STATE DEMAND MET	24558	24635	23843	23067
STATE DEMAND	24558	24635	23843	23067
Frequency (Hz)	50.03	49.99	49.89	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.33 Hz at 09.00 Hrs	49.77 Hz at 19.36 Hrs	50.01	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 23/Apr/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	87.65	0	0
Unit 8	14.04	274.68	602	567
Unit 9	0.00	154.40	0	0
Unit 10	12.20	303.56	510	505
Total	26.25	820.29		
Bhusawal				
Unit 3	3.62	76.60	160	125
Unit 4	10.79	210.56	480	410
Unit 5	11.42	243.51	500	455
Total	25.83	530.67		
Parli				
Unit 6	5.15	118.86	250	146
Unit 7	4.94	111.28	248	151
Unit 8	4.69	83.89	233	142
Total	14.78	314.03		
Chandrapur				
Unit 3	3.87	87.89	170	145
Unit 4	3.89	64.17	170	116
Unit 5	9.59	211.93	420	300
Unit 6	1.36	181.38	371	0
Unit 7	10.35	187.96	447	390
Unit 8	11.46	257.53	493	424
Unit 9	11.53	206.62	500	465
Total	52.06	1197.48		
Paras				
Unit 3	5.21	107.18	235	204
Unit 4	5.59	108.14	243	211
Total	10.80	215.32		
Khaparkheda				
Unit 1	2.86	62.76	130	110
Unit 2	2.82	57.22	133	103
Unit 3	3.76	91.16	184	132
Unit 4	4.17	97.70	189	143
Unit 5	10.73	225.18	450	421
Total	24.33	534.02		
Nasik				
Unit 3	0.00	67.03	0	0
Unit 4	4.03	61.41	180	132
Unit 5	3.83	50.76	177	120
Total	7.86	179.20		
Uran				
All Units	3.34	67.59	143	134
Total	3.34	67.59		
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)	0.00	1.77	0	0
Total	0.00	1.77		
Koyna				
Stage 1-2	1.64	111.12	320	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.44	188.43	250	0
Stage 3	0.22	64.52	80	0
Total	2.30	364.07		
Hydro				
KDPH	0.77	18.96	32	32
VTRNA	1.19	27.22	61	0
TILLARI	0.46	2.50	58	0
BHIRA T.R.	0.16	7.28	77	0
SMLHY_PTN	2.16	42.76	110	80
GHATGHAR	0.00	0.00	0	0
Total	4.74	98.72		
Wind				
Total	15.16	287.88	0	0
Total	15.16	287.88		
CPP				
APML(Mus)	57.00	1649.18	0	0
JSWEL(Mus)	24.58	580.13	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	30.93	685.40	0	0
SWPGPL-Mus	11.82	266.21	0	0
Dhariwal	5.65	139.46	260	190
IEPL	4.73	122.53	199	195
Other(Mus)	7.15	218.30	0	0
Total	141.86	3661.21		
SOLAR				
Total	16.89	348.99	0	0
Total	16.89	348.99		
Tata				
Trombay 5	6.69	179.53	310	264
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.42	43.81	106	76
Trombay 7B	1.48	29.42	64	54
TATA Hydro	1.98	124.26	163	4
Trombay 8	3.52	96.77	174	130
Total	16.09	473.79		
AEML				
DTPS U-1&2	8.95	213.13	486	308
Total	8.95	213.13		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	161.91	3791.01	MSPGCL Total	172.29	4323.16
			MSPGCL Thml+Gas	165.25	3858.60	Koyna 1,2 & 4 Total	2.08	299.55
			MSPGCL Hydro	7.04	464.56	State Total	371.25	9308.16

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 23/Apr/2023

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDC L DEM. MET	Load Shedding		MSEDC L DEM. WITH LS	MUMBAI DEMAND	OTHER DISCOM DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS						Planned	Transmission Constraint					
1	6812	221	142	7175	1100	6782	0	0	7799	7880	-1612	20944	0	0	20944	2738	381	24063	50.02
2	6813	217	143	7173	1040	6606	0	0	8114	8163	-1507	21116	0	0	21116	2588	359	24063	50.00
3	6768	214	142	7124	982	6438	0	0	7928	8076	-1385	20886	0	0	20886	2431	349	23666	50.01
4	6758	217	142	7117	985	6176	0	0	7956	7765	-1291	20414	0	0	20414	2315	339	23067	50.03
5	6794	264	142	7200	993	6336	0	0	8194	8123	-1296	21009	0	1	21009	2254	347	23610	50.01
6	6843	300	142	7285	801	6160	0	0	8518	8517	-1278	21122	0	11	21122	2265	363	23750	50.00
7	6856	295	140	7291	765	6181	0	97	8600	8215	-1279	20873	0	17	20873	2233	397	23503	49.99
8	6817	441	141	7399	460	5694	0	586	7886	8123	-1312	20543	0	0	20543	2251	407	23201	49.99
9	6820	290	140	7250	430	5544	0	1251	8170	7729	-1341	20437	0	0	20437	2339	426	23202	50.08
10	6522	261	141	6924	423	5180	0	1765	8692	8406	-1299	20980	0	2	20980	2425	419	23824	50.16
11	6154	220	138	6512	445	5168	0	2106	9283	9120	-1451	21475	0	5	21475	2524	425	24424	50.02
12	6299	216	137	6652	337	5175	0	2241	9175	9094	-1500	21587	0	2	21587	2559	412	24558	50.03
13	6615	157	137	6909	351	5262	0	2241	9001	8784	-1492	21625	0	0	21625	2571	430	24626	50.01
14	6470	193	135	6798	367	5216	0	2112	8555	8619	-1512	21182	0	0	21182	2574	418	24174	50.02
15	6514	157	135	6806	260	5254	0	1768	8856	9314	-1541	21454	0	0	21454	2592	407	24453	50.02
16	6781	162	134	7077	377	5650	0	1361	8903	9095	-1555	21578	0	9	21578	2630	427	24635	49.99
17	6649	235	138	7022	568	5316	0	916	9411	8735	-1534	20564	0	7	20564	2581	459	23604	50.00
18	6531	280	138	6949	719	5304	0	390	8921	8714	-1527	20104	0	13	20104	2522	445	23071	50.01
19	6512	473	137	7122	691	5420	0	58	8068	8306	-1533	19606	0	0	19606	2505	458	22569	49.98
20	6945	872	137	7954	546	6302	0	0	7756	8038	-1603	20797	0	0	20797	2606	440	23843	49.89
21	7082	496	139	7717	565	6750	0	0	7456	7326	-1590	20330	0	0	20330	2644	438	23412	50.02
22	7140	300	141	7581	597	6530	0	0	7369	7247	-1536	19986	0	0	19986	2659	433	23078	50.00
23	7193	303	141	7637	702	6644	0	0	7472	7502	-1597	20457	0	0	20457	2708	431	23596	50.01
24	7220	256	142	7618	659	6768	0	0	8034	7697	-1660	20680	0	0	20680	2761	402	23843	49.98
MUs	161.91	7.04	3.34	172.29	15.16	141.86	0.00	16.89	200.12	198.59	-35.23	499.75	0.00	0.07	499.75	60.27	9.81	569.84	50.01

NOTE : ALL VALUES IN MW

Mumbai Net Exch is shown with reference to MSETCL system and (-) sign indicates MSETCL periphery to Mumbai system.

Conductor size of 110kv Tembhu line is 0.1 &

Overload setting of said line at 220kv Ogalewadi S/S is 300Amps. Current goes upto 299Amps.DLS done as per instructions from 220 kV Baramati due to overloading of 220 KV Jejuri Baramati line

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 23/Apr/2023

Position as on 6.30 Hrs of 24/Apr/2023

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
FORCED OUTAGE								
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule.(NO PPA)	
PGPL	PGPL U1	262	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	25/04/2023
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	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	23/04/2023
MSPGCL	Ghatghar Unit-2	125	08/02/2023	07:02		Continued.	Stator Earth Fault	01/06/2023
MSPGCL	Nasik Unit 3	210	17/04/2023	21:27		Continued.	Boiler Tube Leakage	20/04/2023
MSPGCL	Uran Unit 6	108	20/04/2023	19:15		Continued.	No Schedule.	
MSPGCL	Chandrapur Unit 6	500	20/04/2023	23:55	23/04/2023	18:37	Boiler Tube Leakage	
MSPGCL	Koradi Unit 6	210	22/04/2023	06:20	24/04/2023	07:00	Boiler Tube Leakage	25/04/2023
MSPGCL	Koradi Unit 9	660	22/04/2023	20:27		Continued.	Boiler Tube Leakage	
MSPGCL	Chandrapur Unit 9	500	24/04/2023	10:09		Continued.	Boiler Tube Leakage	27/04/2023

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Apr/2023

Statement-VII

Position as on 6.30 Hrs of 24/Apr/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV LINE Outages/Trippings							
AKOLA II - EKTUNI CKT - 1	IntraState	09/04/2023	22:22	23/04/2023	14:38	T	Tripped on distance protection
400 KV TIEBAY Outages/Trippings							
TIE BAY - 411 OF KARAD LINE AND 400/220KV 315MVA ICT - 1 @ SOLAPUR (PG)	InterState	15/04/2023	09:39			PO	411-Bay Y.Ph CT Replacement due to oil seepage from porcelain and cementing joint
400 KV LINE Outages/Trippings							
TALANDGE - KOLHAPUR (PG) CKT - 2	InterState	20/03/2023	07:49			PO	For reconductoring of Moose conductor with HTLS conductor for sytem improvement. AR to be kept in non Auto mode for 400KV-KOLHAPUR-MS-KOLHAPUR GIS -1
CHANDRAPUR - BHADRAVATI CKT - 2	InterState	22/04/2023	15:12	23/04/2023	06:47	T	Busbar protection operated
AURANGABAD(MS) - PUNE (GIS) CKT - 1	IntraState	03/04/2023	11:30			HT	H/T TO CONTROL LINE LOADING OF PUNE PG
CHANDRAPUR GCR - CHANDRAPUR 2 CKT 1	IntraState	23/04/2023	05:06	23/04/2023	08:29	EO	On dt.- 20/04/2023 thermovision of Loc. No. LILO-2 is carried out. It was found that temperature of Bph Jumper cone 52 degree centigrade after that this office do the monkey patrolling on this tower it was found that Jumper cone nut bolt loose and creating hot spot at that point. Hence this Loose Nut should be tightened as safety precaution to avoid any breakdown as GCR chandrapur - Chandrapur II- ckt-1 come under criticle line.
PARLI - KARJAT CKT - 1	IntraState	23/04/2023	18:52	24/04/2023	01:39	PO	Quarterly maintenance.
AKOLA-NANDGAONPETH (RPL-AMT)	IntraState	24/04/2023	06:28			PO	String replacement work on 400 kV Akola- Nandgaonpeth Line will be carried out by engaging agency which are detected punctured in PID testing.
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.
400/220/33 KV 315 MVA ICT - 1 @ WALUJ	IntraState	24/04/2023	10:24			PO	1. ICT-I IV Bay Circuit Breaker pole overhauling work. 2. ICT-I IV will be charged through TBC Bay.
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
KALWA - SALESETTE CKT - 5	IntraState	13/04/2023	10:10			PO	Normalization of 110 KV Kalwa Kalyan Salsette 2 section - 220 KV Kalwa Salsette 5 project work.
AAREY - AEML SAKI CKT - 2	IntraState	22/04/2023	21:46	24/04/2023	03:52	HT	Interconnection of existing old GIS Bus-1 with new GIS BUS-1
AAREY - MSETCL BORIVALI CKT - 2	IntraState	22/04/2023	22:00	24/04/2023	04:19	HT	Interconnection of existing old GIS Bus-1 with new GIS BUS-1
BHIRA - KARANJADE 7	IntraState	23/04/2023	08:13	23/04/2023	20:30	PO	PROJECT WORK- INSTALLATION OF TLA
PEDHAMBE ONI LINE	IntraState	23/04/2023	08:25	23/04/2023	18:30	PO	For cold washing of insulator strings.
KAMBA - VASAI	IntraState	23/04/2023	11:15	23/04/2023	11:53	PO	For Replacement of MFM meter by agency.

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Apr/2023

Statement-VII

Position as on 6.30 Hrs of 24/Apr/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
PADGHE - NALASOPARA - VASAI (T)	IntraState	23/04/2023	13:07	23/04/2023	13:33	PO	For Replacement of MFM meter by agency.
PALGHAR - PANCHALI TSS	IntraState	23/04/2023	15:19	23/04/2023	20:36	EO	Attending hot spot work at loc. No.21 (R-Ph Panchali Side Temp-80 °C), Loc No.204 (Y-Ph Panchali side Temp-72 °C).
GOREGAON - AAREY CKT - 1	IntraState	24/04/2023	04:37	24/04/2023	04:39	PO	Charging of New GIS Bus-1 through 220 kV Aarey-Goregaon Line-1. Work to be executed under MERC approved Aarey 220 kV AIS to GIS conversion project scheme
MAIN BUS - 1 @ AAREY	IntraState	24/04/2023	04:39	24/04/2023	05:30	HT	FTC OF NEW GIS MAIN BUS-1 @ AAREY
BUS COUPLER @ AAREY	IntraState	24/04/2023	04:39	24/04/2023	05:30	HT	FTC OF NEW GIS MAIN BUS-1 @ AAREY
OSMANABAD - BARSHI	IntraState	24/04/2023	23:38	24/04/2023	07:01	HT	EMERGENCY OUTAGE AVAILABLE TO ATTEND HOT SPOT
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 KV 155MVA ICT-2@ BHIRA (T)-220 KV	IntraState	23/04/2023	05:27	23/04/2023	14:50	PO	FOR DELUGE VALVE REPLACEMENT
220/100 KV 100 MVA ICT 1 @ VASAI-II	IntraState	23/04/2023	06:43	23/04/2023	07:58	PO	Urgent Replacement of MFM meter by agency.
220/100 KV 100 MVA ICT 2 @ VASAI II	IntraState	23/04/2023	08:46	23/04/2023	10:07	PO	Urgent Replacement of MFM meter.
220/132 KV 200 MVA ICT 2 @ BABHLESHWAR	IntraState	23/04/2023	17:25	23/04/2023	19:52	EO	ICT2:- For attending of redhot spot at HVCB Y-ph bottom pad nutbolt
220/132-110 KV 100MVA ICT No-01 @ OGLEWADI	IntraState	24/04/2023	08:23			PO	Pre Monsoon maintenance work.
220/33-33KV 100MVA TF- 2 @ ICHALKARANJI - II	IntraState	24/04/2023	09:04			PO	1)Quarterly bay maintenance work of TF Hv and LV bays 2) HV and LV bays diagnostic testing 3) Hot spot attending 4) Pre-Monsoon maintenance work
220/33 KV 50 MVA PTR 2	IntraState	24/04/2023	09:05			PO	Replacement of HV CTs due to Higher tandelta.
220/110 KV 200 MVA ICT 2 @ MUDSHINGI	IntraState	24/04/2023	09:06			PO	For OLTC drive mechanism overhauling by MS ER
220 KV BUSBAR Outages/Trippings							
BUS SECTION - 2 @ APTA	IntraState	23/04/2023	03:35	23/04/2023	05:48	EO	Rusted Earth wire removal work.
132 KV LINE Outages/Trippings							
RISOD-YELDARI	IntraState	20/04/2023	17:57			HT	TO CONTROL LOADING ON RISOD - MALEGAON CKT
110 KV LINE Outages/Trippings							
SALSETTE POWAI	IntraState	27/03/2023	11:04			PO	Replacement of tower number 77 & 78 for TDS project work.

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