

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 08/Apr/2023 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	160.987	1268.073	1) Gujrat	-5.524	-23.481
2) Hydro	14.494	155.908	2) Madhya Pradesh	6.653	71.436
3) Gas	3.024	22.194	3) Chattisgarh	4.330	38.910
Total MSPGCL	178.505	1446.175	4) Maharashtra	172.076	1440.273
B) 1) APML	71.128	584.796	5) Goa (Amona)	-1.523	-10.312
2) JSWEL	25.398	185.803	Total	176.012	1516.826
3) VIPL	0.000	0.000	a) Mumbai Schedule	28.603	250.140
4) RPL(AMT)	25.207	228.563	b) Mumbai Drawl	35.893	281.444
5) SWPGPL	9.279	88.691	c) MSEDCL Bilateral *	89.653	805.905
6) Other IPP	22.455	186.604	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	28.603	250.140
C) 1) TPCL Thermal	10.969	81.550	Include PX	0.000	0.000
2) TPCL Hydro	4.867	36.928	Standby	0.000	0.000
3) TPCL Gas	3.008	18.019	H) ENERGY CATERED (MUs)		
4) AEML Thermal	10.846	83.378	1) MSEDCL	488.991	4110.797
D) STATE			2) Mumbai Discoms	65.583	501.319
1) Thermal	336.269	2707.458	3) Other Discoms	9.828	80.427
(A1+C1+C4+(B1-B6))			TOTAL STATE	564.402	4692.543
2) Hydro (A2+C2)	19.361	192.836			
3) Gas (A3+B7+C3)	6.032	40.213			
4) Wind	15.932	114.710			
6) SOLAR	10.796	120.500			
TOTAL STATE	388.390	3175.717			

* 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 3 Hrs
MSPGCL Thermal	6287	6707	6742	7154
MSPGCL Hydro	187	1086	1665	203
MSPGCL Gas	124	124	131	122
MSPGCL Total Generation	6598	7917	8538	7479
Central Sector Receipt	9295	8989	6555	6075
WIND	442	155	465	839
CPP / IPP Thermal	6202	6533	6782	6177
CPP / IPP Gas	0	0	0	0
SOLAR	1447	839	0	0
Exchange with Mumbai	-2160	-1911	-1299	-1158
MSEDCL DEMAND MET	21397	22074	20584	19086
Load Shedding	0	0	0	0
MSEDCL DEMAND	21397	22074	20584	19086
TPCL GENERATION	574	740	1177	644
AEML GENERATION	376	449	484	498
MUMBAI DEMAND	3110	3100	2960	2300
OTHER DISCOM DEMAND	427	448	457	326
STATE DEMAND MET	24934	25622	24001	21712
STATE DEMAND	24934	25622	24001	21712
Frequency (Hz)	50.00	49.99	49.88	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.19 Hz at 13.02 Hrs	49.81 Hz at 13.17 Hrs	49.98	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 08/Apr/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.62	37.00	205	160
Unit 8	14.45	109.33	623	587
Unit 9	5.54	21.00	537	0
Unit 10	13.99	104.71	615	532
Total	38.59	272.04		
Bhusawal				
Unit 3	3.38	26.76	155	125
Unit 4	10.43	56.43	465	335
Unit 5	11.20	86.61	495	300
Total	25.02	169.80		
Parli				
Unit 6	4.97	39.73	250	145
Unit 7	4.52	38.55	245	144
Unit 8	3.96	29.75	195	142
Total	13.45	108.03		
Chandrapur				
Unit 3	3.44	30.13	170	110
Unit 4	0.00	23.71	0	0
Unit 5	8.88	71.07	419	285
Unit 6	7.97	68.84	405	285
Unit 7	9.28	74.94	435	299
Unit 8	11.62	87.33	496	437
Unit 9	0.00	51.25	0	0
Total	41.19	407.27		
Paras				
Unit 3	5.36	30.68	235	214
Unit 4	5.26	26.66	250	143
Total	10.62	57.34		
Khaparkheda				
Unit 1	2.92	23.28	135	100
Unit 2	2.87	16.83	141	100
Unit 3	4.16	33.55	185	132
Unit 4	4.24	33.49	191	140
Unit 5	10.66	86.02	470	375
Total	24.84	193.16		
Nasik				
Unit 3	4.04	31.66	181	120
Unit 4	0.48	0.48	152	0
Unit 5	2.77	28.30	164	0
Total	7.28	60.44		
Uran				
All Units	3.02	22.19	134	120
Total	3.02	22.19		
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)	0.12	1.14	43	0
Total	0.12	1.14		
Koyna				
Stage 1-2	4.56	37.82	515	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	3.67	62.79	893	0
Stage 3	2.07	21.63	320	0
Total	10.29	122.24		
Hydro				
KDPH	0.84	6.86	35	35
VTRNA	1.18	9.40	61	0
TILLARI	0.00	1.82	0	0
BHIRA T.R.	0.28	2.06	77	0
SMLHY_PTN	1.79	12.39	79	65
GHATGHAR	0.00	0.00	0	0
Total	4.08	32.53		
Wind				
Total	15.93	114.71	0	0
Total	15.93	114.71		
CPP				
APML(Mus)	71.13	584.80	0	0
JSWEL(Mus)	25.40	185.80	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.21	228.56	0	0
SWPGPL-Mus	9.28	88.69	0	0
Dhariwal	5.94	46.78	272	214
IEPL	5.32	39.41	269	196
Other(Mus)	11.19	100.41	0	0
Total	153.47	1274.46		
SOLAR				
Total	10.80	120.50	0	0
Total	10.80	120.50		
Tata				
Trombay 5	7.21	54.01	407	262
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.77	9.97	107	43
Trombay 7B	1.23	8.05	65	39
TATA Hydro	4.87	36.93	435	62
Trombay 8	3.76	27.54	223	128
Total	18.84	136.50		
AEML				
DTPS U-1&2	10.85	83.38	501	336
Total	10.85	83.38		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	160.99	1268.07	MSPGCL Total	178.50	1446.18
			MSPGCL Thml+Gas	164.01	1290.27	Koyna 1,2 & 4 Total	8.22	100.61
			MSPGCL Hydro	14.49	155.91	State Total	388.39	3175.72

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 08/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	7250	311	122	7683	348	6399	0	0	6650	6549	-1134	19477	0	0	19477	2596	368	22441	49.99
2	7248	202	122	7572	728	6329	0	0	6671	6469	-1201	19551	0	0	19551	2439	346	22336	50.02
3	7154	203	122	7479	839	6177	0	0	6749	6075	-1158	19086	0	0	19086	2300	326	21712	50.00
4	6740	209	123	7072	958	6058	0	0	6725	6569	-1100	19237	0	0	19237	2197	320	21754	49.99
5	6881	435	121	7437	1029	6281	0	0	6414	6315	-1005	19722	0	0	19722	2167	335	22224	49.97
6	7100	386	122	7608	1174	6446	0	0	6305	6190	-1013	20061	0	0	20061	2274	344	22679	49.98
7	7165	555	120	7840	1078	6275	0	18	6581	6714	-1121	20413	0	0	20413	2307	391	23111	50.01
8	6819	537	124	7480	935	6157	0	229	6945	6982	-1319	20051	0	0	20051	2346	413	22810	50.03
9	6087	705	123	6915	942	6064	0	616	7374	7754	-1607	20249	0	0	20249	2540	435	23224	49.98
10	6225	514	127	6866	818	5998	0	1160	8159	8056	-1862	20597	0	0	20597	2811	439	23847	49.98
11	6542	300	122	6964	706	6121	0	1284	8794	8769	-2074	21334	0	0	21334	3031	436	24801	50.02
12	6287	187	124	6598	442	6202	0	1447	9111	9295	-2160	21397	0	19	21397	3110	427	24934	50.00
13	6098	426	126	6650	229	6209	0	1594	9189	9338	-2196	21392	0	17	21392	3112	432	24936	49.95
14	6232	474	124	6830	135	6310	0	1532	9038	9292	-2095	21574	0	0	21574	3024	430	25028	49.95
15	6665	666	127	7458	116	6458	0	1341	9066	9132	-2097	21974	0	18	21974	3068	434	25476	49.95
16	6707	1086	124	7917	155	6533	0	839	8861	8989	-1911	22074	0	16	22074	3100	448	25622	49.99
17	6595	1275	126	7996	461	6541	0	520	8245	8283	-1606	21741	0	0	21741	3030	454	25225	50.03
18	6637	1194	130	7961	558	6493	0	202	7719	7625	-1701	20697	0	0	20697	2938	441	24076	49.98
19	6699	1525	132	8356	400	6625	0	14	6801	6798	-1446	20286	0	0	20286	2907	461	23654	50.01
20	6742	1665	131	8538	465	6782	0	0	6719	6555	-1299	20584	0	0	20584	2960	457	24001	49.88
21	6727	800	133	7660	617	6733	0	0	6478	6147	-1282	19430	0	0	19430	2912	445	22787	50.01
22	6755	368	132	7255	1026	6797	0	0	6371	5904	-1188	19364	0	0	19364	2830	430	22624	49.99
23	6777	220	134	7131	864	6760	0	0	6079	6089	-1122	19309	0	0	19309	2798	413	22520	49.96
24	6855	251	133	7239	909	6719	0	0	6299	6123	-1196	19390	0	0	19390	2786	404	22580	49.96
MUs	160.99	14.49	3.02	178.51	15.93	153.47	0.00	10.80	177.34	176.01	-35.89	488.99	0.00	0.07	488.99	65.58	9.83	564.40	49.98

NOTE : ALL VALUES IN MW

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

- 1)DLS due to Overloading of 220KV Jejuri-Lonand line.
- 2)Due To Overloading of 132KV Kamathadi-Phursungi line.(Karad circle)

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 08/Apr/2023

Position as on 6.30 Hrs of 09/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	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	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	01/06/2023
MSPGCL	Nasik Unit 4	210	29/03/2023	04:36	08/04/2023	19:27	Boiler Tube Leakage (Under tolling from 00:00 hrs. from 04.04.23)	
MSPGCL	Uran Unit 6	108	29/03/2023	08:33		Continued.	Zero Schedule	
MSPGCL	Chandrapur Unit 9	500	05/04/2023	13:28	09/04/2023	22:01	Generator rotor earth fault	10/04/2023
IPP	SWPGPL U-1	135	05/04/2023	22:30	08/04/2023	18:41	ID Fan Problem	
IPP	RPL(AMT) U-3	270	06/04/2023	18:18		Continued.	APH problem	10/04/2023
MSPGCL	Chandrapur Unit 4	210	08/04/2023	00:00		Continued.	Boiler Tube Leakage	12/04/2023
MSPGCL	Koradi Unit 9	660	08/04/2023	11:01		Continued.	Boiler Tube Leakage	11/04/2023
MSPGCL	Nasik Unit 5	210	08/04/2023	20:20		Continued.	Boiler Tube Leakage	11/04/2023

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 08/Apr/2023

Statement-VII

Position as on 6.30 Hrs of 09/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			T	Tripped on distance protection
400 KV MAINBAY Outages/Trippings							
MAIN BAY (404) OF AURANGABAD (PG) - 1 @ AKOLA	IntraState	09/04/2023	20:53	09/04/2023	22:34	T	400 kV Akola Aurangabad PG ckt 1 AR successful both ends but main Bay 404 tripped.
400 KV LR Outages/Trippings							
MAIN BAY (410) OF STATION TF 8A @ CHANDRAPUR SWG S/S	IntraState	07/04/2023	14:12	08/04/2023	16:31	PO	Main circuit breaker(bay 407) mechanical overhauling work carried out by agency.
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
AURANGABAD(MS) - PUNE (GIS) CKT - 1	IntraState	03/04/2023	11:30			HT	H/T TO CONTROL LINE LOADING OF PUNE PG
PADGHE - KALWA CKT - 1	IntraState	07/04/2023	22:22	08/04/2023	04:35	EO	(1) Replacement of faulty disc of Middle & bottom phase of tower location No.2B.
PADGHE - KALWA CKT - 2	IntraState	08/04/2023	22:30	09/04/2023	05:35	PO	1) Replacement of CT with new 3000/1A ratio by M/s Apar along with HTLS conductor replacement from Gantry to CT . 2) Bay maint work 3) Diagnostic Testing work 4) MTAMC work 5) replacement of 29C bus PG isolator under LES scheme .
LONIKAND 2 - KARJAT CKT - 1	IntraState	09/04/2023	10:25	09/04/2023	13:18	PO	Diagnostic testing and Maintenance
PADGHE - KALWA CKT - 1	IntraState	09/04/2023	21:55		Continued.	PO	Replacement of existing conductor by HTLS conductor.
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.
400/220KV 500MVA ICT 3 @ AKOLA	IntraState	07/04/2023	09:28	08/04/2023	18:40	PO	For laying of power cable (02Days)
400/220/33 KV 500MVA ICT - 1 @ DEEPNAGAR	IntraState	08/04/2023	08:11	09/04/2023	22:01	PO	For oil filtration of ȳ ph. Unit as water content detected during the DFR test & for replacement of 220kV LV bushing of ȳ ph. unit of 400/220kV ICT-I from external agency as detected oil leakage on Dtd. 22.04.2022.
220 KV LINE Outages/Trippings							
NALASOPARA - BOISAR PG	InterState	09/04/2023	15:11			PO	Bay Maintenance Work & Outage required for String replacement work
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
AEML BORIVALI - TPC BORIVALI LINE	IntraState	20/03/2023	00:14			T	Tripped due to cable joint failure.
VANKUSWADE - KDPH	IntraState	08/04/2023	09:25	08/04/2023	19:45	HT	For 220 kV main Bus outage at Wankuswade
VANKUSWADE - AJINKYATARA	IntraState	08/04/2023	09:40	08/04/2023	19:10	HT	For 220 kV main Bus outage at Wankuswade

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 08/Apr/2023

Statement-VII

Position as on 6.30 Hrs of 09/Apr/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
MAIN BUS @ WANKUSWADE	IntraState	08/04/2023	09:40	08/04/2023	19:10	PO	Chemical cleaning of bus insulator strings, BPI, support insulators of 220 kV Main bus & allied equipments.
EKLAHARE (GCR) - AIROLI KNOW PARK	IntraState	08/04/2023	10:10	09/04/2023	00:01	HT	H/T For load Management.
BABLESHWAR -BHENDA	IntraState	08/04/2023	12:50	08/04/2023	15:35	EO	Replacement of deteriorated jumper nut bolt at loc no 111 B ph BBLR side , 79 Y ph Bhenda side due to hot spot . pic attach
KARAD - KADEGAON	IntraState	08/04/2023	17:41	08/04/2023	19:41	PO	Replacement Work of top side jump of B-ph wave trap. (conductor threads found cut at top side of wave trap)
KARAD - KADEGAON	IntraState	08/04/2023	21:50	08/04/2023	23:17	T	Tripped on distance protection
KARAD - KADEGAON	IntraState	09/04/2023	00:59	09/04/2023	01:22	T	Tripped at Kadegaon
URSE - M. HINODAYA CO	IntraState	09/04/2023	12:56	09/04/2023	18:45	EO	R-Y-B ph 3 nos. CT replacement work at Urse S/stn.
BUTIBORI-ABHIJEET	IntraState	09/04/2023	13:35	09/04/2023	23:04	T	DP AT B E= RPH=11.33KA,
PARAS-BALAPUR I	IntraState	09/04/2023	19:17	09/04/2023	20:17	T	TRIPPED ON PDR
PARAS-CHIKHALI CKT NO-I	IntraState	09/04/2023	19:46	09/04/2023	19:56	T	DP Z1,B-PH,1.6KA
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
220/132 KV 200 MVA ICT 1@ RANJANGAON	IntraState	08/04/2023	09:00	08/04/2023	20:00	EO	For 200MVA ,220/132kv,Vijai ICT-1 , For replacement of LV CT's of all three phase due to poor tan delta value.
220 / 110 / 33kV 250MVA ICT 8 @ DHARAVI	IntraState	09/04/2023	09:15	09/04/2023	20:16	PO	PROJECT WORK-FOR DISCONNECTION OF 110 KV SIDE JUMPER
220 / 110 / 33kV 315 MVA ICT 5 @ @ CARNAC	IntraState	09/04/2023	09:28	09/04/2023	17:03	PO	FOR R/M AND TESTING
220/100 KV 200 MVA ICT 1 @ BORIVALI	IntraState	09/04/2023	09:39	09/04/2023	18:53	PO	Replacement of old rusted Earth Wire and R&M work of 100 kV Main Bus
220/132 KV 100 MVA ICT - 1 @ ALEPHATA	IntraState	09/04/2023	10:58	09/04/2023	13:33	PO	For oil leakage attending
110 KV LINE Outages/Trippings							
SALSETTE POWAI	IntraState	27/03/2023	11:04			PO	Replacement of tower number 77 & 78 for TDS project work.
SALSETTE VIKHROLI	IntraState	27/03/2023	11:04			PO	Replacement of tower number 77 & 78 for TDS project work.
WAGHIVALI - CHEMBUR	IntraState	04/04/2023	21:59			PO	FOR 400 KV KVPTL WORK
WAGHIVALI - MANKHURD	IntraState	04/04/2023	23:57			PO	FOR 400 KV KVPTL WORK

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