

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 10/Apr/2023 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	158.264	1580.489	1) Gujrat	-6.240	-35.120
2) Hydro	21.882	192.188	2) Madhya Pradesh	7.745	86.659
3) Gas	2.457	27.766	3) Chattisgarh	5.190	48.300
Total MSPGCL	182.603	1800.443	4) Maharashtra	180.105	1792.716
B) 1) APLM	76.270	736.820	5) Goa (Amona)	-1.771	-13.806
2) JSWEL	26.342	237.255	Total	185.029	1878.749
3) VIPL	0.000	0.000	a) Mumbai Schedule	36.227	317.697
4) RPL(AMT)	25.953	279.889	b) Mumbai Drawl	40.162	356.210
5) SWPGPL	9.490	107.492	c) MSEDCL Bilateral *	91.109	967.783
6) Other IPP	21.972	229.449	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	36.227	317.697
C) 1) TPCL Thermal	11.795	103.344	Include PX	0.000	0.000
2) TPCL Hydro	5.985	45.932	Standby	0.000	0.000
3) TPCL Gas	3.311	24.385	H) ENERGY CATERED (MUs)		
4) AEML Thermal	11.410	105.389	1) MSEDCL	502.000	5097.371
D) STATE			2) Mumbai Discoms	72.663	635.260
1) Thermal	341.496	3380.127	3) Other Discoms	10.303	100.316
(A1+C1+C4+(B1-B6))			TOTAL STATE	584.966	5832.947
2) Hydro	27.867	238.120			
(A2+C2)					
3) Gas	5.768	52.151			
(A3+B7+C3)					
4) Wind	8.386	132.050			
6) SOLAR	16.420	151.750			
TOTAL STATE	399.937	3954.198			

* 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	6171	6620	6694	6838
MSPGCL Hydro	205	772	2051	244
MSPGCL Gas	124	112	25	137
MSPGCL Total Generation	6500	7504	8770	7219
Central Sector Receipt	8894	9670	7969	6377
WIND	244	115	365	408
CPP / IPP Thermal	6520	6535	6776	6756
CPP / IPP Gas	0	0	0	0
SOLAR	2219	1507	0	0
Exchange with Mumbai	-2255	-2305	-1512	-1160
MSEDCL DEMAND MET	21661	22555	21898	19281
Load Shedding	0	0	0	0
MSEDCL DEMAND	21661	22555	21898	19281
TPCL GENERATION	816	837	1206	699
AEML GENERATION	459	464	473	488
MUMBAI DEMAND	3530	3606	3191	2347
OTHER DISCOM DEMAND	461	471	470	319
STATE DEMAND MET	25652	26632	25559	21947
STATE DEMAND	25652	26632	25559	21947
Frequency (Hz)	50.00	49.95	49.99	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.17 Hz at 07.57 Hrs	49.64 Hz at 23.11 Hrs	49.97	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 10/Apr/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.66	46.38	205	175
Unit 8	13.51	136.71	609	545
Unit 9	0.00	21.00	0	0
Unit 10	13.33	131.61	585	540
Total	31.49	335.69		
Bhusawal				
Unit 3	3.37	33.50	160	120
Unit 4	10.84	77.33	480	420
Unit 5	11.53	109.08	500	445
Total	25.74	219.90		
Parli				
Unit 6	4.85	49.59	250	118
Unit 7	4.29	46.56	248	126
Unit 8	4.30	38.02	200	133
Total	13.44	134.17		
Chandrapur				
Unit 3	3.74	37.56	175	130
Unit 4	0.00	23.71	0	0
Unit 5	9.13	89.00	415	290
Unit 6	8.82	86.50	410	285
Unit 7	9.27	93.25	430	296
Unit 8	11.39	110.20	490	428
Unit 9	9.12	60.55	476	130
Total	51.47	500.77		
Paras				
Unit 3	4.66	40.22	217	145
Unit 4	4.90	36.99	222	147
Total	9.55	77.22		
Khaparkheda				
Unit 1	2.94	29.18	135	115
Unit 2	2.66	22.17	123	95
Unit 3	4.21	41.85	183	138
Unit 4	4.41	42.06	192	146
Unit 5	4.26	101.02	470	0
Total	18.49	236.27		
Nasik				
Unit 3	4.07	39.68	177	160
Unit 4	4.01	8.48	176	145
Unit 5	0.00	28.30	0	0
Total	8.08	76.47		
Uran				
All Units	2.46	27.77	139	0
Total	2.46	27.77		
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)	0.11	1.34	30	0
Total	0.11	1.34		
Koyna				
Stage 1-2	6.20	47.79	510	35

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	8.96	76.45	1000	0
Stage 3	2.56	25.96	320	0
Total	17.72	150.19		
Hydro				
KDPH	0.83	8.53	35	34
VTRNA	1.19	11.79	60	0
TILLARI	0.00	1.82	0	0
BHIRA T.R.	0.22	2.52	77	0
SMLHY_PTN	1.80	15.99	82	69
GHATGHAR	0.00	0.00	0	0
Total	4.04	40.65		
Wind				
Total	8.39	132.05	0	0
Total	8.39	132.05		
CPP				
APML(Mus)	76.27	736.82	0	0
JSWEL(Mus)	26.34	237.26	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.95	279.89	0	0
SWPGPL-Mus	9.49	107.49	0	0
Dhariwal	6.28	58.59	270	241
IEPL	5.49	50.25	269	197
Other(Mus)	10.20	120.61	0	0
Total	160.03	1590.90		
SOLAR				
Total	16.42	151.75	0	0
Total	16.42	151.75		
Tata				
Trombay 5	7.67	68.20	401	264
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.99	13.76	107	43
Trombay 7B	1.32	10.62	65	39
TATA Hydro	5.98	45.93	432	118
Trombay 8	4.12	35.14	231	131
Total	21.09	173.66		
AEML				
DTPS U-1&2	11.41	105.39	501	407
Total	11.41	105.39		

* Infirm Power		
Particulars	Daily (Mus)	Monthly

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	158.26	1580.49
MSPGCL Thml+Gas	160.72	1608.26
MSPGCL Hydro	21.88	192.19

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	182.60	1800.44
Koyna 1,2 & 4 Total	15.16	124.24
State Total	399.94	3954.20

State Load Despatch Center, Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 10/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	6722	690	135	7547	524	6860	0	0	6638	6596	-1430	19722	0	0	19722	2801	375	22898	50.00
2	6794	215	136	7145	592	6749	0	0	6985	6557	-1285	19406	0	0	19406	2613	352	22371	50.01
3	6785	210	135	7130	498	6782	0	0	6689	6442	-1197	19325	0	0	19325	2460	330	22115	50.01
4	6838	244	137	7219	408	6756	0	0	6516	6377	-1160	19281	0	0	19281	2347	319	21947	49.98
5	6808	686	136	7630	328	6772	0	0	6373	6506	-1065	19828	0	0	19828	2292	343	22463	49.98
6	6834	1151	138	8123	315	6800	0	0	6512	6500	-1029	20336	0	0	20336	2364	373	23073	49.95
7	7014	1687	139	8840	335	6797	0	65	6428	6512	-1149	20995	0	0	20995	2431	405	23831	50.03
8	7045	978	138	8161	253	6504	0	435	7095	6830	-1415	20340	0	0	20340	2554	428	23322	50.09
9	6734	413	135	7282	216	6505	0	1066	8028	7571	-1778	20409	0	0	20409	2853	453	23715	49.97
10	6255	303	131	6689	234	6449	0	1643	8823	8384	-2063	20878	0	0	20878	3181	458	24517	49.96
11	6017	208	129	6354	266	6430	0	2012	9287	9003	-2165	21445	0	18	21445	3431	455	25331	49.97
12	6171	205	124	6500	244	6520	0	2219	9378	8894	-2255	21661	0	15	21661	3530	461	25652	50.00
13	5992	285	117	6394	224	6381	0	2216	9057	9141	-2233	21656	0	27	21656	3529	467	25652	49.98
14	6019	255	116	6390	207	6353	0	2120	9210	9361	-2333	21632	0	24	21632	3435	466	25533	49.97
15	6346	490	115	6951	147	6448	0	1867	9504	9581	-2402	22136	0	24	22136	3522	456	26114	49.89
16	6620	772	112	7504	115	6535	0	1507	9533	9670	-2305	22555	0	69	22555	3606	471	26632	49.95
17	6565	639	118	7322	111	6538	0	908	9428	9374	-2110	21660	0	20	21660	3554	483	25697	49.94
18	6510	1154	121	7785	201	6575	0	344	8352	8722	-1913	21218	0	26	21218	3413	496	25127	49.96
19	6568	1709	120	8397	285	6727	0	18	7388	7510	-1733	20716	0	0	20716	3221	488	24425	49.98
20	6694	2051	25	8770	365	6776	0	0	7041	7969	-1512	21898	0	0	21898	3191	470	25559	49.99
21	6729	1987	0	8716	691	6894	0	0	6944	7140	-1483	21500	0	0	21500	3109	458	25067	50.01
22	6744	1773	0	8517	690	6902	0	0	6829	6588	-1340	20918	0	0	20918	3053	439	24410	49.98
23	6751	1776	0	8527	639	6923	0	0	6812	6985	-1384	21258	0	0	21258	3075	432	24765	49.85
24	6709	2001	0	8710	498	7051	0	0	6667	6816	-1423	21228	0	0	21228	3098	424	24750	49.79
MUs	158.26	21.88	2.46	182.60	8.39	160.03	0.00	16.42	185.52	185.03	-40.16	502.00	0.00	0.22	502.00	72.66	10.30	584.97	49.97

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)220Kv GCR AKP line H/T for load management.To take AKP line in service on emergency basis,the ELR carried out to manage load on BBLR line from 14:52 to 15:16hrs.

State Load Despatch Center, Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 10/Apr/2023

Position as on 6.30 Hrs of 11/Apr/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 Unit 6	80	10/04/2023	08:05	10/04/2023	Continued.	Preventive Maintenance Work	10/04/2023
MSPGCL	Koyna Unit 8	80	11/04/2023	08:20	11/04/2023	Continued.	Preventive Maintenance Work	11/04/2023
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	12/04/2023
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	Uran Unit 6	108	29/03/2023	08:33		Continued.	Zero Schedule	
IPP	RPL(AMT) U-3	270	06/04/2023	18:18	10/04/2023	20:03	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
MSPGCL	Khaparkheda Unit 5	500	10/04/2023	09:50		Continued.	Boiler Tube Leakage	13/04/2023
MSPGCL	Uran Unit 8	108	10/04/2023	19:07		Continued.	I&C Fault	
MSPGCL	Uran Unit B0	120	10/04/2023	19:07		Continued.	I&C Fault	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Apr/2023

Statement-VII

Position as on 6.30 Hrs of 11/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
500 KV LINE Outages/Trippings							
CHANDRAPUR - PADGHE HVDC POLE 1	IntraState	11/04/2023	04:20	11/04/2023	06:00	EO	Emergency Shutdown of HVDC Pole-1 BASE FILTER Z11-Z1/Z2 for attending Hotspots at various locations in all the three phase
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	09/04/2023	21:55	10/04/2023	03:52	PO	Replacement of existing conductor by HTLS conductor.
KHADKA-AURANGABAD (WALUJ)	IntraState	10/04/2023	10:20	10/04/2023	14:02	T	TRIPPED ON DIST.PROTECTION
MAIN BUS - 1 @ TALANDGE	IntraState	10/04/2023	14:36			PO	For PG isolator alignment with bus hanger in bay augmentation work of Kolhapur(PG)-Kolhapur(MSETCL)#2 Bay at MSETCL, Talandage(Kolhapur)
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 - 2 @ KOLHAPUR	IntraState	10/04/2023	12:25	10/04/2023	19:14	PO	1. Annual Relay testing Work. 2. Protection & Cooling System supervisory trials 3. C bus isolator OH work
400/220 KV 3X105 MVA ICT - 1 @ NAGOTHANE	IntraState	10/04/2023	12:39	10/04/2023	19:07	PO	Regular Maint work and Dignostic testing work
400/220 KV 3X105 MVA ICT - 2 @ NAGOTHANE	IntraState	11/04/2023	12:35			PO	Regular Maint work and Dignostic testing work
220 KV LINE Outages/Trippings							
NALASOPARA - BOISAR PG	InterState	09/04/2023	15:11	10/04/2023	13:42	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.
KALMESHWAR-PANDHURNA	IntraState	10/04/2023	09:57	10/04/2023	20:41	PO	s/d is for Re-sagging work at loc no 03R-278, 278-294
KALMESHWAR-PANDHURNA	IntraState	10/04/2023	09:57	10/04/2023	20:41	PO	OUTAGE AVAILED BY PANDHURNA END. S/D IS FOR RE-SAGGING WORK AT LOC NO 03R-278, 278-294
BADNERA-AKOLA II	IntraState	10/04/2023	10:11	10/04/2023	15:20	PO	Flash over disc replacement work.

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Apr/2023

Statement-VII

Position as on 6.30 Hrs of 11/Apr/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
NEW KOYNA - NIWALI	IntraState	10/04/2023	10:20			PO	TBC Shifting for replacement of Dynamic seal of circuit breaker R.PH.
220 KV NEW KHAPERKHEDA (400 KV)-220KV OLD KHAPERKHEDA CKT 1	IntraState	10/04/2023	10:47	10/04/2023	14:38	PO	High level jumper tightening work.
MUDSHINGI - CHIKODI	IntraState	10/04/2023	10:56	10/04/2023	18:58	PO	Annual maintenance work
POPHLI PEDHMBE LINE- 1	IntraState	10/04/2023	11:20	10/04/2023	17:58	PO	For Bay P/M & Bay Complaint Attending work.
EKLAHARE (GCR) - AIROLI KNOW PARK	IntraState	10/04/2023	14:17	10/04/2023	18:14	HT	H/T For load management.
EKLAHARE (GCR) - GHATGHAR	IntraState	10/04/2023	19:34	10/04/2023	20:32	T	Tripped on Distance Protection.
PARLI (OLD GCR) - PARLI (PG) CKT 2	IntraState	10/04/2023	19:37	10/04/2023	21:25	HT	To control Overdrawl
BHUGAON - WARDHA (PG)	IntraState	11/04/2023	05:59	11/04/2023	08:00	HT	To control state overdrawl
KALMESHWAR-PANDHURNA	IntraState	11/04/2023	09:05			PO	s/d is for Re-sagging work at loc no 03R-278, 278-294
BOISAR II - TARAPUR	IntraState	11/04/2023	09:07			PO	Replacement of Rusted Hardware work under scheme at Loc No.28 To 50, by M/s.BNC Power Project.
POPHLI PEDHMBE LINE- 2	IntraState	11/04/2023	11:20			PO	For Bay P/M work
KANDALGAON - ONGC PANVEL	IntraState	11/04/2023	11:23	11/04/2023	12:54	T	TRIPPED ON DIST.PROTECTION
EKLAHARE (GCR) - AIROLI KNOW PARK	IntraState	11/04/2023	12:35			HT	h/t for load management
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
220/33-33KV 100MVA TF NO. - 1 @ ICHALKARANJI - II	IntraState	10/04/2023	09:01	10/04/2023	16:37	PO	1)Quaterly bay maintenance work 2) HV and LV bay diagnostic testing 3) Pre-Monsoon maintenace work 4) Hot spot attending work
220/132-110 KV 200MVA ICT - 3 @ OGLEWADI	IntraState	11/04/2023	10:13			PO	Diagnostic Testing Work
132 KV LINE Outages/Trippings							
SOLAPUR 2(BALE)-NALDURG	IntraState	10/04/2023	16:18	10/04/2023	21:13	PO	For fixing of Vibration dampers at various location
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
110 KV BUSBAR Outages/Trippings							
ZONE 1 (BUS SECTION 1& 2) @ KHOPOLI	IntraState	11/04/2023	01:34	11/04/2023	03:40	PO	Removal of Bus jumper 110 KV KHP-Karnajade Bkr

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