

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 02/Apr/2024 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	183.888	364.311	1) Gujrat	5.518	11.272
2) Hydro	11.569	19.741	2) Madhya Pradesh	10.881	22.265
3) Gas	6.927	13.794	3) Chattisgarh	3.760	7.560
Total MSPGCL	202.384	397.846	4) Maharashtra	177.539	352.367
B) 1) APLM	71.064	141.733	5) Goa (Amona)	-3.070	-5.876
2) JSWEL	19.710	41.356	Total	194.628	387.588
3) VIPL	0.000	0.000	a) Mumbai Schedule	42.536	73.707
4) RPL(AMT)	31.437	62.684	b) Mumbai Drawl	39.188	80.098
5) SWPGPL	12.193	24.399	c) MSEDCL Bilateral *	88.579	170.175
6) Other IPP	31.419	62.192	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	42.536	73.707
C) 1) TPCL Thermal	12.577	23.640	Include PX	0.000	0.000
2) TPCL Hydro	4.200	8.782	Standby	0.000	0.000
3) TPCL Gas	4.078	8.183	H) ENERGY CATERED (MUs)		
4) AEML Thermal	11.047	21.531	1) MSEDCL	543.900	1075.453
D) STATE			2) Mumbai Discoms	71.090	142.234
1) Thermal	373.335	741.846	3) Other Discoms	11.085	22.139
(A1+C1+C4+(B1-B6))			TOTAL STATE	626.075	1239.826
2) Hydro (A2+C2)	15.769	28.523			
3) Gas (A3+B7+C3)	11.005	21.977			
4) Wind	14.193	26.298			
6) SOLAR	17.145	33.594			
TOTAL STATE	431.447	852.238			

* 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	7291	7618	8180	7573
MSPGCL Hydro	488	797	1270	170
MSPGCL Gas	278	277	289	294
MSPGCL Total Generation	8057	8692	9739	8037
Central Sector Receipt	8891	9220	7851	7311
WIND	153	458	695	810
CPP / IPP Thermal	6511	6364	7085	7167
CPP / IPP Gas	0	0	0	0
SOLAR	2288	1571	0	0
Exchange with Mumbai	-2201	-2061	-1643	-891
MSEDCL DEMAND MET	23190	23726	23227	22071
Load Shedding	0	0	0	0
MSEDCL DEMAND	23190	23726	23227	22071
TPCL GENERATION	775	929	1154	876
AEML GENERATION	502	503	348	502
MUMBAI DEMAND	3478	3493	3145	2269
OTHER DISCOM DEMAND	509	518	500	363
STATE DEMAND MET	27177	27737	26872	24703
STATE DEMAND	27177	27737	26872	24703
Frequency (Hz)	49.99	49.91	50.01	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.25 Hz at 18.02 Hrs	49.74 Hz at 22.18 Hrs	49.99	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 02/Apr/2024

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.14	3.14	195	0
Unit 8	14.27	28.62	634	552
Unit 9	13.18	27.02	590	498
Unit 10	14.09	28.24	645	535
Total	44.68	87.04		
Bhusawal				
Unit 3	3.59	7.00	180	115
Unit 4	10.77	20.94	500	295
Unit 5	10.46	20.70	500	290
Total	24.82	48.65		
Parli				
Unit 6	4.42	8.36	244	145
Unit 7	4.41	8.43	234	144
Unit 8	4.65	8.91	245	145
Total	13.48	25.70		
Chandrapur				
Unit 3	3.43	6.67	157	125
Unit 4	3.72	7.28	172	125
Unit 5	8.84	17.36	432	280
Unit 6	8.80	17.38	435	280
Unit 7	9.37	18.16	465	274
Unit 8	9.70	19.60	425	297
Unit 9	10.39	21.59	490	323
Total	54.24	108.04		
Paras				
Unit 3	3.31	8.59	241	0
Unit 4	5.32	10.55	253	148
Total	8.63	19.14		
Khaparkheda				
Unit 1	3.95	7.87	170	130
Unit 2	4.11	8.24	193	138
Unit 3	4.08	8.00	177	140
Unit 4	4.19	8.49	189	135
Unit 5	11.06	22.55	490	380
Total	27.40	55.15		
Nasik				
Unit 3	3.65	7.18	170	128
Unit 4	3.69	7.30	180	121
Unit 5	3.30	6.12	160	113
Total	10.65	20.60		
Uran				
All Units	6.93	13.79	298	273
Total	6.93	13.79		
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)	0.17	0.21	40	0
Total	0.17	0.21		
Koyna				
Stage 1-2	2.92	5.10	555	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	2.48	3.05	429	0
Stage 3	0.98	1.62	230	0
Total	6.38	9.77		
Hydro				
KDPH	0.84	1.70	35	35
VTRNA	0.74	1.53	60	0
TILLARI	0.88	1.39	62	0
BHIRA T.R.	0.00	0.00	0	0
SMLHY_PTN	2.21	4.81	96	87
GHATGHAR	0.53	0.54	250	0
Total	5.19	9.97		
Wind				
Total	14.19	26.30	0	0
Total	14.19	26.30		
CPP				
APML(Mus)	71.06	141.73	0	0
JSWEL(Mus)	19.71	41.36	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	31.44	62.68	0	0
SWPGPL-Mus	12.19	24.40	0	0
Dhariwal	0.00	0.00	0	0
IEPL	6.21	12.28	271	247
Other(Mus)	19.68	39.18	0	0
JPL	5.53	10.73	274	205
Total	165.82	332.36		
SOLAR				
Total	17.14	33.59	0	0
Total	17.14	33.59		
Tata				
Trombay 5	8.15	15.30	470	263
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.55	5.12	108	82
Trombay 7B	1.53	3.06	65	56
TATA Hydro	4.20	8.78	422	27
Trombay 8	4.43	8.34	226	128
Total	20.86	40.60		
AEML				
DTPS U-1&2	11.05	21.53	503	348
Total	11.05	21.53		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	183.89	364.31	MSPGCL Total	202.38	397.85
			MSPGCL Thml+Gas	190.82	378.10	Koyna 1,2 & 4 Total	5.40	8.15
			MSPGCL Hydro	11.57	19.74	State Total	431.45	852.24

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 02/Apr/2024

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	7926	176	296	8398	802	7302	0	0	7555	7538	-1225	22394	0	0	22394	2776	421	25591	49.97
2	7928	170	296	8394	672	7278	0	0	7471	7223	-1035	22146	0	0	22146	2562	386	25094	49.98
3	7894	175	296	8365	640	7182	0	0	7632	7156	-949	22038	0	0	22038	2402	356	24796	50.00
4	7573	170	294	8037	810	7167	0	0	7625	7311	-891	22071	0	0	22071	2269	363	24703	49.97
5	7929	173	295	8397	952	7219	0	0	7533	7521	-1180	22525	0	0	22525	2208	384	25117	49.99
6	8054	172	298	8524	934	7187	0	0	8043	7695	-1328	22619	0	0	22619	2303	393	25315	49.96
7	8070	252	296	8618	694	7183	0	50	8347	8230	-1324	23021	0	0	23021	2418	430	25869	50.01
8	8150	319	297	8766	556	7108	0	475	8245	7286	-1526	22206	0	4	22206	2542	459	25207	50.08
9	6992	229	290	7511	361	6665	0	1120	8401	8398	-1788	21777	0	0	21777	2854	490	25121	50.02
10	6784	298	288	7370	331	6354	0	1621	8725	9240	-1966	22460	0	3	22460	3167	490	26117	49.99
11	7342	364	282	7988	245	6551	0	2075	8967	9133	-2222	23266	0	18	23266	3380	504	27150	50.01
12	7291	488	278	8057	153	6511	0	2288	9087	8891	-2201	23190	0	64	23190	3478	509	27177	49.99
13	6682	490	282	7454	190	6206	0	2308	9578	9392	-2206	22852	0	7	22852	3481	492	26825	50.02
14	6377	491	273	7141	245	6165	0	2301	9516	9494	-2217	22646	0	2	22646	3400	483	26529	50.01
15	7048	649	283	7980	321	6291	0	1981	9282	9072	-2137	23028	0	67	23028	3428	480	26936	49.93
16	7618	797	277	8692	458	6364	0	1571	9434	9220	-2061	23726	0	52	23726	3493	518	27737	49.91
17	8023	886	281	9190	543	6766	0	950	9021	8766	-2004	23689	0	49	23689	3464	522	27675	50.00
18	7788	879	284	8951	561	6957	0	387	8841	8387	-1950	22775	0	21	22775	3338	518	26631	50.06
19	7922	438	289	8649	664	7038	0	18	8230	8154	-1880	22117	0	0	22117	3164	526	25807	50.02
20	8180	1270	289	9739	695	7085	0	0	7815	7851	-1643	23227	0	0	23227	3145	500	26872	50.01
21	8170	783	289	9242	822	7249	0	0	7361	7264	-1576	22505	0	0	22505	3053	496	26054	50.00
22	8094	297	292	8683	893	7310	0	0	6983	7082	-1362	22127	0	0	22127	2955	479	25561	49.94
23	8070	682	290	9042	833	7334	0	0	6839	7080	-1275	22555	0	0	22555	2917	459	25931	49.86
24	7983	921	292	9196	818	7351	0	0	7274	7244	-1242	22941	0	0	22941	2893	426	26260	49.99
MUs	183.89	11.57	6.93	202.38	14.19	165.82	0.00	17.15	197.80	194.63	-39.19	543.90	0.00	0.29	543.90	71.09	11.09	626.07	49.99

NOTE : ALL VALUES IN MW

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

*Load Shedding due to Transmission Constraint :-

- 1) Due to overloading of 400 kV Chakan-Talegaon line DLS carried out in Pune zone.
- 2)ELR done due to overloading of 132/33 kV 50MVA T/F NO-3 at BBLR S/S.and overload of 132KV BBLSR-Rahuri line.2) ELR carried out due to overload of 400/220KV 315MVA ICT at 400KV PGCIL Boisar S/stn.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 02/Apr/2024

Position as on 6.30 Hrs of 03/Apr/2024

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL								
MSPGCL	Uran Unit 5	108	12/11/2022	13:23		Continued.	Major overhaul.	05/04/2024
MSPGCL	Koyna Unit 11	80	10/07/2023	09:40		Continued.	Capital Overhaul	10/04/2024
Total Capacity MSPGCL		188						
Total Capacity PLANNED OUTAGE		188						
FORCED OUTAGE								
MSPGCL								
MSPGCL	Uran Unit A0	120	07/09/2022	16:30		Continued.	TURBINE TRIPPED ON HIGH VIBRATIONS	31/08/2024
MSPGCL	Uran Unit 6	108	29/03/2024	20:16		Continued.	Zero schedule (Due open cycle can be taken on bar as per MSEDCL requirement)	
MSPGCL	Koradi Unit 6	210	31/03/2024	01:55	02/04/2024	05:11	Boiler Tube Leakage	02/04/2024
MSPGCL	Paras Unit 3	250	02/04/2024	16:15		Continued.	Tripped on generator over voltage protection.	03/04/2024
MSPGCL	Uran Unit 8	108	03/04/2024	00:25		Continued.	Filter Replacement	03/04/2024
Total Capacity MSPGCL		796						
IPP								
IPP	JSW (J) U1	300	24/03/2024	00:06		Continued.	CW duct leakage.	06/04/2024
Total Capacity IPP		300						
CENT.SECTOR								
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.	31/08/2024
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.	30/09/2024
Total Capacity CENT.SECTOR		320						
Total Capacity FORCED OUTAGE		1416						
FORCED OUTAGE DUE TO NO PPA								
IPP								
IPP	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule (NO PPA)	
IPP	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)	
Total Capacity IPP		988						
Total Capacity FORCED OUTAGE DUE TO NO PPA		988						

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Apr/2024

Statement-VII

Position as on 6.30 Hrs of 03/Apr/2024

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV TIEBAY Outages/Trippings							
TIE BAY (702) OF ICT-1 & FUTURE BAY @ KORADI 3	IntraState	02/04/2024	16:19	02/04/2024	17:30	PO	DGA Test of Current Transformer at Koradi-III SS.
765 KV MAINBAY Outages/Trippings							
MAIN BAY - 701 OF 765/400kV 1500MVA ICT-1 @ KORADI 3	IntraState	02/04/2024	10:13	02/04/2024	12:53	PO	DGA Test of Current Transformer at Koradi-III SS.
765 KV LINE Outages/Trippings							
400 KV EKTUNI - BABHLESHWAR CKT- 1	IntraState	02/04/2024	19:39	02/04/2024	23:28	EO	To attend Hot Spot
500 KV LINE Outages/Trippings							
CHANDRAPUR - PADGHE HVDC POLE 2	IntraState	02/04/2024	00:51	02/04/2024	04:52	PO	Mumbai Urja Marg Limited has proposed overhead crossing of 400kV Padghe (PG)-Kharghar D/C (Quad) line crossing 500kV Padghe-Chandrapur HVDC bipole line at loc 1946- 1947, HVDC bipole outage is required to pass Pilot rope manually, required for conductor stringing. Thereafter work of conductor stringing will be done on a daily basis with the help of already laid pilot rope. The work of conductor stringing will be carried out by Hot-line method in live line condition. During this work, permit to work in live line is to be issued on 500kV Padghe-Chandrapur HVDC bipole line during pulling of conductor at crossing.
CHANDRAPUR - PADGHE HVDC POLE 1	IntraState	02/04/2024	01:10	02/04/2024	04:18	PO	Mumbai Urja Marg Limited has proposed overhead crossing of 400kV Padghe (PG)-Kharghar D/C (Quad) line crossing 500kV Padghe-Chandrapur HVDC bipole line at loc 1946- 1947, HVDC bipole outage is required to pass Pilot rope manually, required for conductor stringing. Thereafter work of conductor stringing will be done on a daily basis with the help of already laid pilot rope. The work of conductor stringing will be carried out by Hot-line method in live line condition. During this work, permit to work in live line is to be issued on 500kV Padghe-Chandrapur HVDC bipole line during the pulling of the conductor at the crossing.
400 KV LINE Outages/Trippings							
AURANGABAD(MS) - AURANGABAD(PG) CKT -2	InterState	02/04/2024	12:01	02/04/2024	16:37	EO	For attending line Isolator Red Hot
PADGHE - BOISAR (PG)	InterState	02/04/2024	14:19	02/04/2024	14:59	T	Tripped on R ph to ground fault
BUS REACTOR (50MVAR) @ PARLI	IntraState	27/09/2023	15:30			PO	Replacement of old 50 MVar bus reactor by new 125 MVar bus reactor.
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	28/03/2024	23:52			HT	For load management of Talegaon Chakan line
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 500 MVA ICT - 3 @ VIKHROLI GIS	IntraState	10/02/2024	17:40			HT	H/T For LV only.

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/Apr/2024

Statement-VII

Position as on 6.30 Hrs of 03/Apr/2024

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400/220/33 KV 500MVA ICT - 3 @ NAGOTHANE	IntraState	02/04/2024	15:50	02/04/2024	18:52	PO	For additional water cooling arrangement.
400/220/20 KV 100 MVA SPARE BHEL ICT @ KORADI	IntraState	02/04/2024	23:21	02/04/2024	00:48	HT	Emergency H/T due to heavy spaking observed at the jaw of Isolator.
220 KV LINE Outages/Trippings							
URAN - KHARGHAR 2	IntraState	14/02/2024	08:41			PO	For making LILO of 220kV cable at 220kV Ulwe GIS &Waghiwali & Retrofitting of "DIFF" relay at 400kV KHARGHAR s/s.
ALEPHATA-PARGAON(KATHAPUR)	IntraState	16/03/2024	01:34			HT	Hand Tripped For Load management
ALKUD - VITA	IntraState	01/04/2024	18:34	02/04/2024	01:25	PO	Polymer Insulator Replacement Work
BOISAR II - BOISAR (PG) CKT - 1	IntraState	02/04/2024	05:08	02/04/2024	10:21	PO	Work of replacement of existing 0.4 ACSR Zebra Conductor and all its Hardware by equivalent CCC HTLS Conductor and suitable Hardware for 220kV Boisar - PGCIL (Dead Line). Outage required of 220kV PGCIL - Boisar Line No. 1 for safety purpose only.
BOISAR II - BOISAR (PG) CKT - 1	IntraState	02/04/2024	05:08	02/04/2024	10:21	PO	AMP WORKS
KARAD -MUDSHINGI CKT- 4	IntraState	02/04/2024	08:44			PO	1.Relay retrofitting Work 2.TC2 Circuit Configuration Work 3.DC bifurcation & Panel Rewiring work
220 KV CHANDRAPUR GCR (400 KV) - WANI CKT	IntraState	02/04/2024	08:46	02/04/2024	14:27	PO	Fixing of Bird Diverter on conductor
NIWALI - PAWAS LINE	IntraState	02/04/2024	09:14	02/04/2024	18:04	PO	Cold washing of line insulators
NAGOTHANE - WADKHAL (GIS) CKT-2	IntraState	02/04/2024	09:58	02/04/2024	19:13	PO	1. Project work - For making Radial arrangement at Loc. No. 24 to charge 220kV Nagothane TSS by radially. 2. O&M Work Tapping of new 220kV Nagothane TSS line, Cold line cleaning, routine maintenance work.
KARAD - OGALEWADI CKT 1	IntraState	02/04/2024	10:39	02/04/2024	20:38	PO	To attend CT conductor's damaged strands.
THEUR-PHURSUNGI CKT I	IntraState	02/04/2024	11:16	02/04/2024	18:08	PO	Cold Washing o Insulator String Fixing of repair sleeve between loc 35-36 due to conductor strand bulge
AURANGABAD (WALUJ)-DEOGAON RANGARI	IntraState	02/04/2024	12:22	02/04/2024	17:42	PO	"1) Commissioning of New Numerical Back up relay 2) Line side (89D) isolator alignment work 3) Bus side (89A) isolator alignment work "
AURANGABAD (WALUJ)-DEOGAON RANGARI	IntraState	02/04/2024	12:22	02/04/2024	17:42	PO	Commissioning of new Numerical back up relay
220 KV TADALI - CHANDRAPUR 2 (400 KV) CKT	IntraState	02/04/2024	13:03	02/04/2024	15:47	T	Distance Protection
KALWA - PANCHANAND	IntraState	02/04/2024	17:02	02/04/2024	18:48	T	Tripped on Y phase to ground fault
ALKUD - VITA	IntraState	02/04/2024	19:51	03/04/2024	02:59	PO	Polymer Insulator Replacement Work
220 KV ICT Outages/Trippings							
220/33 KV 50MVA PTR 2	IntraState	27/03/2024	10:27			HT	Overhauling of hv gis hybrid pass (abb make) at 220kV Jalna S/S
220/33kV 100 MVA TF 2 @ GHODBUNDER	IntraState	02/04/2024	01:51	02/04/2024	13:53	T	Tripped on differential protection.

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/Apr/2024

Statement-VII

Position as on 6.30 Hrs of 03/Apr/2024

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220/100 KV 200 MVA ICT 1 @ KOLSHET	IntraState	02/04/2024	07:10	02/04/2024	08:11	T	Tripped on PDR
220/132KV 100MVA ICT 3 @ BALAPUR	IntraState	02/04/2024	09:25	02/04/2024	14:30	PO	Isolator maintenance and testing work
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