

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 23/Apr/2024 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	160.830	3962.549	1) Gujrat	4.836	77.304
2) Hydro	11.982	279.866	2) Madhya Pradesh	13.067	269.215
3) Gas	8.929	168.495	3) Chattisgarh	4.990	91.830
Total MSPGCL	181.741	4410.910	4) Maharashtra	201.132	4339.603
B) 1) APML	62.447	1541.670	5) Goa (Amona)	-2.554	-61.528
2) JSWEL	28.494	609.080	Total	221.471	4716.424
3) VIPL	0.000	0.000	a) Mumbai Schedule	47.461	869.758
4) RPL(AMT)	31.675	702.569	b) Mumbai Drawl	44.629	936.095
5) SWPGPL	10.819	252.017	c) MSEDCL Bilateral *	102.405	2086.403
6) Other IPP	21.608	532.437	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	47.461	869.758
C) 1) TPCL Thermal	13.215	290.148	Include PX	0.000	0.000
2) TPCL Hydro	6.041	110.989	Standby	0.000	0.000
3) TPCL Gas	4.128	92.093	H) ENERGY CATERED (MUs)		
4) AEML Thermal	5.760	221.899	1) MSEDCL	527.660	12237.131
D) STATE			2) Mumbai Discoms	73.773	1651.221
1) Thermal	334.848	8112.369	3) Other Discoms	11.049	249.732
(A1+C1+C4+(B1-B6))			TOTAL STATE	612.482	14138.084
2) Hydro (A2+C2)	18.023	390.855			
3) Gas (A3+B7+C3)	13.057	260.588			
4) Wind	8.659	295.399			
6) SOLAR	16.424	362.452			
TOTAL STATE	391.011	9421.663			

* 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	6245	6810	7118	6592
MSPGCL Hydro	258	359	981	235
MSPGCL Gas	463	464	315	291
MSPGCL Total Generation	6966	7633	8414	7118
Central Sector Receipt	10188	10201	8381	8757
WIND	115	279	473	355
CPP / IPP Thermal	5897	6831	7149	7156
CPP / IPP Gas	0	0	0	0
SOLAR	2342	1303	0	0
Exchange with Mumbai	-2182	-2212	-1938	-1592
MSEDCL DEMAND MET	22810	23540	21988	21432
Load Shedding	0	0	0	0
MSEDCL DEMAND	22810	23540	21988	21432
TPCL GENERATION	1161	1224	1033	650
AEML GENERATION	251	251	238	218
MUMBAI DEMAND	3594	3687	3209	2460
OTHER DISCOM DEMAND	517	495	492	363
STATE DEMAND MET	26920	27722	25688	24254
STATE DEMAND	26920	27722	25688	24254
Frequency (Hz)	49.98	49.99	50.02	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.24 Hz at 18.02 Hrs	49.86 Hz at 16.14 Hrs	50.02	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/2024

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.51	81.09	190	180
Unit 8	14.55	321.51	615	598
Unit 9	14.62	319.76	627	598
Unit 10	5.35	199.89	660	0
Total	39.02	922.26		
Bhusawal				
Unit 3	3.68	82.09	180	125
Unit 4	0.00	188.70	0	0
Unit 5	11.44	213.26	485	460
Total	15.12	484.05		
Parli				
Unit 6	4.92	101.00	248	144
Unit 7	4.99	103.04	248	144
Unit 8	0.85	98.13	250	0
Total	10.76	302.17		
Chandrapur				
Unit 3	3.20	73.00	138	122
Unit 4	3.89	74.56	168	128
Unit 5	9.55	173.77	430	295
Unit 6	8.56	192.32	400	300
Unit 7	9.07	197.30	461	294
Unit 8	10.63	197.69	469	415
Unit 9	11.84	263.11	500	483
Total	56.74	1171.75		
Paras				
Unit 3	5.13	112.59	245	135
Unit 4	5.39	126.19	254	141
Total	10.51	238.78		
Khaparkheda				
Unit 1	3.92	86.33	170	135
Unit 2	4.54	97.50	204	155
Unit 3	4.20	91.41	179	171
Unit 4	4.47	92.76	193	179
Unit 5	0.00	236.65	0	0
Total	17.13	604.64		
Nasik				
Unit 3	4.06	70.93	180	125
Unit 4	3.82	86.76	174	125
Unit 5	3.65	81.20	166	122
Total	11.53	238.90		
Uran				
All Units	8.93	168.50	481	283
Total	8.93	168.50		
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	4.44	49	0
Total	0.12	4.44		
Koyna				
Stage 1-2	2.90	68.28	460	35

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	3.84	81.76	664	0
Stage 3	1.76	33.57	278	0
Total	8.49	183.61		
Hydro				
KDPH	0.77	18.76	32	32
VTRNA	0.83	18.94	61	0
TILLARI	0.00	1.62	0	0
BHIRA T.R.	0.00	0.00	0	0
SMLHY_PTN	1.87	51.07	92	70
GHATGHAR	0.02	5.86	22	0
Total	3.49	96.26		
Wind				
Total	8.66	295.40	0	0
Total	8.66	295.40		
CPP				
APML(Mus)	62.45	1541.67	0	0
JSWEL(Mus)	28.49	609.08	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	31.68	702.57	0	0
SWPGPL-Mus	10.82	252.02	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.79	122.68	268	209
Other(Mus)	10.30	313.78	0	0
JPL	5.51	95.98	271	192
Total	155.04	3637.77		
SOLAR				
Total	16.42	362.45	0	0
Total	16.42	362.45		
Tata				
Trombay 5	8.70	190.16	469	266
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.58	57.34	108	107
Trombay 7B	1.54	34.75	65	64
TATA Hydro	6.04	110.99	399	67
Trombay 8	4.52	99.98	228	131
Total	23.38	493.23		
AEML				
DTPS U-1&2	5.76	221.90	461	191
Total	5.76	221.90		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	160.83	3962.55	MSPGCL Total	181.74	4410.91
			MSPGCL Thml+Gas	169.76	4131.04	Koyna 1,2 & 4 Total	6.74	150.04
			MSPGCL Hydro	11.98	279.87	State Total	391.01	9421.66

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 23/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	6735	863	481	8079	338	7207	0	0	8392	8408	-1370	22239	0	0	22239	3015	423	25677	50.03
2	6733	620	312	7665	370	7192	0	0	8389	8440	-1408	21881	0	0	21881	2783	378	25042	50.02
3	6658	429	290	7377	357	7161	0	0	8617	8720	-1524	21743	0	0	21743	2576	348	24667	49.96
4	6592	235	291	7118	355	7156	0	0	8830	8757	-1592	21432	0	0	21432	2460	363	24254	49.96
5	6442	383	292	7117	365	7157	0	0	8795	8791	-1545	21524	0	0	21524	2388	361	24273	49.98
6	6557	659	293	7509	363	7144	0	1	8899	9061	-1519	22187	0	0	22187	2410	372	24969	50.00
7	6625	319	291	7235	420	7105	0	82	9329	9155	-1473	22098	0	2	22098	2453	425	24977	50.05
8	6424	262	291	6977	267	6814	0	574	8939	8719	-1668	21217	0	0	21217	2573	465	24256	50.04
9	6355	170	294	6819	199	6641	0	1127	8924	8702	-2003	20991	0	0	20991	2876	494	24361	50.02
10	6355	152	370	6877	183	6345	0	1720	9826	9455	-2240	21838	0	0	21838	3218	502	25558	50.05
11	6347	189	467	7003	148	5900	0	2073	10263	10173	-2169	22627	0	6	22627	3482	502	26610	50.00
12	6245	258	463	6966	115	5897	0	2342	10207	10188	-2182	22810	0	10	22810	3594	517	26920	49.98
13	6070	143	457	6670	114	5879	0	2243	10219	10032	-2212	22222	0	8	22222	3607	504	26333	49.98
14	6325	153	462	6940	112	5971	0	2048	10264	10179	-2232	22534	0	5	22534	3570	485	26588	50.07
15	6691	168	458	7317	166	6401	0	1898	10371	10340	-2219	23433	0	13	23433	3651	469	27554	50.10
16	6810	359	464	7633	279	6831	0	1303	10237	10201	-2212	23540	0	28	23540	3687	495	27722	49.99
17	6990	407	463	7860	668	6981	0	737	10019	9561	-2180	23102	0	43	23102	3604	526	27231	49.98
18	6980	340	426	7746	738	6874	0	255	9592	9114	-2204	22000	0	22	22000	3425	523	25948	50.06
19	6958	494	450	7902	516	6817	0	21	8972	8993	-2210	21536	0	4	21536	3221	503	25260	50.06
20	7118	981	315	8414	473	7149	0	0	8667	8381	-1938	21988	0	0	21988	3209	492	25688	50.02
21	7131	1156	283	8570	485	5518	0	0	8581	8522	-1816	20794	0	0	20794	3112	485	24391	50.05
22	7209	1374	309	8892	540	4868	0	0	8864	8652	-1606	20854	0	0	20854	3039	491	24385	50.01
23	7241	1001	318	8560	555	4891	0	0	9449	9344	-1637	21235	0	0	21235	3056	478	24769	50.00
24	7239	867	389	8495	533	5143	0	0	9685	9583	-1470	21836	0	0	21836	2764	448	25048	49.98
MUs	160.83	11.98	8.93	181.74	8.66	155.04	0.00	16.42	224.33	221.47	-44.63	527.66	0.00	0.14	527.66	73.77	11.05	612.48	50.02

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) ELR carried out due to overloading of 132KV BBLSR-Rahuri line and 400KV Chakan-Talegaon and 220KV BBLSR-Alephata line.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 23/Apr/2024

Position as on 6.30 Hrs of 24/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	Koyna Unit 11	80	10/07/2023	09:40	23/04/2024	17:20	Capital Overhaul	23/04/2024
Total Capacity MSPGCL		80						
Total Capacity PLANNED OUTAGE		80						
FORCED OUTAGE								
MSPGCL								
MSPGCL	Uran Unit A0	120	07/09/2022	16:30		Continued.	TURBINE TRIPPED ON HIGH VIBRATIONS	31/08/2024
MSPGCL	Bhusawal Unit 4	500	18/04/2024	22:33		Continued.	Boiler Tube Leakage	24/04/2024
MSPGCL	Koradi Unit-10	660	21/04/2024	23:14	23/04/2024	13:00	USPECTED MSV DRAIN LINE LEAKAGE	23/04/2024
MSPGCL	Khaparkheda Unit 5	500	22/04/2024	07:26	24/04/2024	07:56	Boiler Tube Leakage	25/04/2024
MSPGCL	Koyna STG-IV Unit-4	250	22/04/2024	22:30	23/04/2024	12:12	Spherical Valve Downstream Seal Apply-Release problem	24/04/2024
MSPGCL	Parli Unit 8	250	23/04/2024	04:10		Continued.	Boiler Tube Leakage	26/04/2024
MSPGCL	Khaparkheda Unit 4	210	24/04/2024	08:00		Continued.	Boiler Tube Leakage	
Total Capacity MSPGCL		2490						
AEML								
AEML	AEML Unit 1	250	23/04/2024	01:10		Continued.	Boiler Tube Leakage	26/04/2024
Total Capacity AEML		250						
IPP								
IPP	Adani U-1	660	23/04/2024	20:14		Continued.	Due to tripping of both the 400 KV Tirora-Warora line-1&2 & ICT.	24/04/2024
IPP	Adani U-3	660	23/04/2024	20:14	24/04/2024	08:41	Due to tripping of both the 400 KV Tirora-Warora line-1&2 & ICT.	24/04/2024
IPP	Adani U-2	660	23/04/2024	20:14		Continued.	Due to tripping of both the 400 KV Tirora-Warora line-1&2 & ICT.	24/04/2024
Total Capacity IPP		1980						
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		5040						
UNIT UNDER ZERO SCHEDULE / RSD								

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 23/Apr/2024

Position as on 6.30 Hrs of 24/Apr/2024

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL								
MSPGCL	Uran Unit 6	108	23/04/2024	01:05	23/04/2024	09:49	Zero Schedule given by MSEDCL	
MSPGCL	Uran Unit 5	108	23/04/2024	01:19	23/04/2024	08:57	Zero Schedule given by MSEDCL	
MSPGCL	Uran Unit 6	108	23/04/2024	19:08	23/04/2024	22:46	Zero Sch Given By MSEDCL	
MSPGCL	Uran Unit 5	108	23/04/2024	19:25	23/04/2024	23:42	Zero Sch Given By MSEDCL	
MSPGCL	Uran Unit 6	108	24/04/2024	04:00		Continued.	Zero Schedule Given By MSEDCL	
MSPGCL	Uran Unit 5	108	24/04/2024	04:16		Continued.	Zero Schedule Given By MSEDCL	
Total Capacity MSPGCL		648						
Total Capacity UNIT UNDER ZERO SCHEDULE / RSD		648						
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						

* Other generator generating power instead of contracted genertaor with tri-party agreement in between generatos & discom (Case-IV bidding)

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Apr/2024

Statement-VII

Position as on 6.30 Hrs of 24/Apr/2024

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV ICT Outages/Trippings							
765/400KV 1500 MVA ICT-1 @ TIRORA	IntraState	23/04/2024	20:15	23/04/2024	21:36	T	Busbar protection operated
500 KV LINE Outages/Trippings							
CHANDRAPUR - PADGHE HVDC POLE 2	IntraState	22/04/2024	17:47	23/04/2024	04:42	T	Tripped AC differential optd, Z block
400 KV LINE Outages/Trippings							
BUS REACTOR (50MVAR) @ PARLI	IntraState	27/09/2023	15:30			PO	Replacement of old 50 MVar bus reactor by new 125 MVar bus reactor.
CHANDRAPUR 2 - WARORA CKT-1	IntraState	22/04/2024	17:27			T	Tripped on distance protection.
CHANDRAPUR 2 - WARORA CKT-2	IntraState	22/04/2024	17:27			T	Tripped on distance protection.
TIRORA - WARORA CKT - 2	IntraState	23/04/2024	20:15	24/04/2024	01:39	T	Tripped on R-E fault Warora end
MAIN BUS - 2 @ TIRORA	IntraState	23/04/2024	20:15	24/04/2024	02:09	T	Busbar protection operated
TIRORA - WARORA CKT - 1	IntraState	23/04/2024	20:15	24/04/2024	00:34	T	Tripped on R-E fault Warora end
MAIN BUS - 1 @ TIRORA	IntraState	23/04/2024	20:15	23/04/2024	21:36	T	Busbar protection operated
CHANDRAPUR 2- KUMBHARGAON (NANDED) CKT - 1	IntraState	23/04/2024	22:17	23/04/2024	23:33	T	Distance Protection
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.
400/220 KV 315MVA ICT - 2 @ KARAD	IntraState	22/04/2024	16:55			PO	Replacement of MOG & Buchholz relay of all 3 units. Diagnostic testing work.
400/220/33 KV 315MVA ICT - 1 @ AKOLA	IntraState	23/04/2024	07:40	23/04/2024	19:00	PO	Diagnostic testing & Routine Maintenance work
220 KV MAINBAY Outages/Trippings							
220KV BUS SECTION BAY @ PEDAMBE	IntraState	03/04/2024	15:55			T	Tripped due to Y ph CT burst
220 KV LINE Outages/Trippings							
KHARGHAR - ULWE GIS CKT-1	IntraState	19/04/2024	15:22			T	Wavetrap uncoiled at Kharghar end
KARAD -MUDSHINGI CKT 2-TAK	IntraState	22/04/2024	15:03			PO	1.Distance Relay Retrofitting Work 2.TC2 Configuration 3.NIT Replacement Work 4.DC Separation & Panel rewiring Work at Karad End
ADLABS - PEDAMBE	IntraState	23/04/2024	05:55	23/04/2024	17:32	PO	For stringing of conductor on new erected tower from old tower at loc no- 94 and dismantling of three cross arms.
MIRAJ - ICHALKARANJI	IntraState	23/04/2024	12:58	23/04/2024	15:57	PO	1) Outage on 220KV Miraj Circuit - 1 for attending work QMW & Diagnostic Testing & Attending Hotspot work.
NERLE - PEDAMBE	IntraState	23/04/2024	13:23	23/04/2024	18:36	T	Tripped on distance protection.
PARAS-CHIKHALI CKT NO-II	IntraState	23/04/2024	14:34	23/04/2024	14:58	T	Distance Protection
TALANDGE - HAMIDWADA	IntraState	23/04/2024	15:09	23/04/2024	17:11	T	Tripped on distance protection.
BELEWADI - MUMEWADI LINE	IntraState	23/04/2024	15:09	23/04/2024	15:35	T	Tripped only from Belewadi end
MAHALAXMI - AMONA	IntraState	23/04/2024	15:25	23/04/2024	18:04	HT	HT for Load Management
TILLARI - AMONA LINE	IntraState	23/04/2024	15:25	23/04/2024	18:54	HT	HT for Load Management
KARAD -MUDSHINGI CKT- 4	IntraState	23/04/2024	16:11	24/04/2024	04:40	T	Tripped on distance protection.

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Apr/2024

Statement-VII

Position as on 6.30 Hrs of 24/Apr/2024

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
KHARGHAR - ULWE GIS CKT - 2	IntraState	23/04/2024	18:04	24/04/2024	21:54	T	Tripped on distance protection.
NEW TPS - WAGHALA CKT 1	IntraState	23/04/2024	19:11	23/04/2024	00:44	T	Distance Protection
220 KV KAULEWADA-KORADI 2 CKT - II	IntraState	23/04/2024	20:03	23/04/2024	21:55	T	Distance Protection
PEDAMBE-KALAMBANI(TSS)	IntraState	24/04/2024	06:20			PO	For dismantling of old tower at loc no- 94.
BOISAR II - BOISAR (PG) CKT - 1	IntraState	24/04/2024	06:33			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.
NEW TPS - WAGHALA CKT 1	IntraState	24/04/2024	19:11	24/04/2024	00:44	T	Distance Protection
220 KV ICT Outages/Trippings							
220/33KV 50MVA BBL T/F @ OGLEWADI	IntraState	23/04/2024	08:36	23/04/2024	20:09	PO	T/F Painting work Premonsoon Maintenance Work
220/100 KV 200 MVA ICT 3 @ PADGHE	IntraState	23/04/2024	12:17	23/04/2024	17:55	PO	Attending hot spot at various joints.
132 KV LINE Outages/Trippings							
MANSAR-PENCH	InterState	23/04/2024	18:44	23/04/2024	21:46	T	Distance Protection
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