

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 21/Apr/2024 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	166.320	3647.961	1) Gujrat	2.612	69.355
2) Hydro	10.416	252.266	2) Madhya Pradesh	11.480	244.250
3) Gas	6.852	149.665	3) Chattisgarh	3.790	81.940
Total MSPGCL	183.588	4049.892	4) Maharashtra	187.245	3945.738
B) 1) APLM	66.326	1407.565	5) Goa (Amona)	-2.306	-55.847
2) JSWEL	28.760	551.678	Total	202.821	4285.436
3) VIPL	0.000	0.000	a) Mumbai Schedule	34.114	783.225
4) RPL(AMT)	31.640	639.353	b) Mumbai Drawl	37.716	850.114
5) SWPGPL	10.625	230.426	c) MSEDCL Bilateral *	96.470	1891.954
6) Other IPP	20.371	489.324	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	34.114	783.225
C) 1) TPCL Thermal	11.697	264.142	Include PX	0.000	0.000
2) TPCL Hydro	2.569	99.174	Standby	0.000	0.000
3) TPCL Gas	3.705	83.837	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.311	205.162	1) MSEDCL	521.757	11183.898
D) STATE			2) Mumbai Discoms	64.998	1502.426
1) Thermal	345.050	7435.611	3) Other Discoms	10.654	227.542
(A1+C1+C4+(B1-B6))			TOTAL STATE	597.409	12913.866
2) Hydro (A2+C2)	12.985	351.440			
3) Gas (A3+B7+C3)	10.557	233.502			
4) Wind	9.866	275.875			
6) SOLAR	16.130	332.005			
TOTAL STATE	394.588	8628.433			

* 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 8 Hrs
MSPGCL Thermal	6108	7053	7259	6794
MSPGCL Hydro	166	164	557	185
MSPGCL Gas	279	278	284	290
MSPGCL Total Generation	6553	7495	8100	7269
Central Sector Receipt	9501	9541	8337	7784
WIND	300	336	450	411
CPP / IPP Thermal	5435	6703	6979	6395
CPP / IPP Gas	0	0	0	0
SOLAR	2217	1198	0	496
Exchange with Mumbai	-1844	-1819	-1543	-1352
MSEDCL DEMAND MET	21701	22971	21840	20562
Load Shedding	0	0	0	0
MSEDCL DEMAND	21701	22971	21840	20562
TPCL GENERATION	611	739	735	620
AEML GENERATION	302	306	436	441
MUMBAI DEMAND	2757	2864	2714	2413
OTHER DISCOM DEMAND	461	483	483	441
STATE DEMAND MET	24919	26318	25037	23416
STATE DEMAND	24919	26318	25037	23416
Frequency (Hz)	49.98	49.96	49.98	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.2 Hz at 16:02 Hrs	49.79 Hz at 19:13 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 21/Apr/2024

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.51	72.08	190	185
Unit 8	14.40	292.86	605	567
Unit 9	14.56	291.39	620	595
Unit 10	13.54	194.54	632	55
Total	47.02	850.88		
Bhusawal				
Unit 3	3.62	74.60	175	120
Unit 4	0.00	188.70	0	0
Unit 5	10.53	191.00	475	340
Total	14.14	454.29		
Parli				
Unit 6	4.44	91.04	233	142
Unit 7	4.56	93.27	244	144
Unit 8	4.52	92.18	250	146
Total	13.51	276.49		
Chandrapur				
Unit 3	3.43	66.46	151	125
Unit 4	3.78	66.89	171	125
Unit 5	9.27	154.44	440	275
Unit 6	7.69	175.76	365	280
Unit 7	9.54	177.51	459	285
Unit 8	0.01	182.81	10	0
Unit 9	11.32	239.64	495	433
Total	45.03	1063.52		
Paras				
Unit 3	4.78	103.26	235	164
Unit 4	5.04	116.50	245	162
Total	9.82	219.75		
Khaparkheda				
Unit 1	3.80	78.46	175	110
Unit 2	4.09	88.48	198	125
Unit 3	3.88	83.12	177	130
Unit 4	3.99	83.89	192	127
Unit 5	10.12	233.34	470	325
Total	25.88	567.29		
Nasik				
Unit 3	3.74	62.88	178	127
Unit 4	3.68	78.99	174	125
Unit 5	3.50	73.86	171	121
Total	10.92	215.74		
Uran				
All Units	6.85	149.66	295	278
Total	6.85	149.66		
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)	0.25	4.04	44	0
Total	0.25	4.04		
Koyna				
Stage 1-2	3.00	61.20	490	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	2.77	73.13	751	0
Stage 3	0.65	29.54	182	0
Total	6.41	163.87		
Hydro				
KDPH	0.78	17.21	33	32
VTRNA	0.89	17.34	60	0
TILLARI	0.00	1.62	0	0
BHIRA T.R.	0.00	0.00	0	0
SMLHY_PTN	2.18	46.98	96	85
GHATGHAR	0.16	5.24	157	0
Total	4.00	88.40		
Wind				
Total	9.87	275.88	0	0
Total	9.87	275.88		
CPP				
APML(Mus)	66.33	1407.56	0	0
JSWEL(Mus)	28.76	551.68	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	31.64	639.35	0	0
SWPGPL-Mus	10.62	230.43	0	0
Dhariwal	0.00	0.00	0	0
IEPL	4.91	111.17	267	155
Other(Mus)	10.56	293.08	0	0
JPL	4.89	85.08	259	180
Total	157.72	3318.35		
SOLAR				
Total	16.13	332.00	0	0
Total	16.13	332.00		
Tata				
Trombay 5	7.68	173.12	456	263
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.29	52.17	108	39
Trombay 7B	1.42	31.66	64	36
TATA Hydro	2.57	99.17	341	14
Trombay 8	4.01	91.02	229	131
Total	17.97	447.15		
AEML				
DTPS U-1&2	9.31	205.16	500	291
Total	9.31	205.16		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	166.32	3647.96	MSPGCL Total	183.59	4049.89
			MSPGCL Thml+Gas	173.17	3797.63	Koyna 1,2 & 4 Total	5.77	134.33
			MSPGCL Hydro	10.42	252.27	State Total	394.59	8628.43

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 21/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	7385	1090	291	8766	412	7207	0	0	7912	8056	-1528	22493	0	0	22493	3094	420	26007	50.00
2	7399	844	291	8534	523	7215	0	0	8187	8015	-1391	22498	0	0	22498	2915	398	25811	49.98
3	7385	486	292	8163	495	7163	0	0	8333	7952	-1415	21975	0	0	21975	2743	383	25101	49.95
4	7366	393	294	8053	449	7142	0	0	8359	7920	-1456	21757	0	0	21757	2588	351	24696	49.98
5	7321	302	291	7914	412	7161	0	0	8430	8208	-1509	21823	0	0	21823	2496	363	24682	49.96
6	7265	388	292	7945	463	7125	0	0	8795	8604	-1512	22227	0	0	22227	2494	398	25119	49.96
7	7213	292	293	7798	509	7009	0	88	8722	8434	-1369	22053	0	0	22053	2443	416	24912	50.01
8	6794	185	290	7269	411	6395	0	496	8184	7784	-1352	20562	0	0	20562	2413	441	23416	50.01
9	6639	171	283	7093	421	5887	0	1099	8539	7968	-1531	20477	0	4	20477	2465	460	23402	50.05
10	6239	172	287	6698	430	5553	0	1701	9247	8553	-1572	20891	0	10	20891	2551	472	23914	50.01
11	6255	173	280	6708	350	5527	0	2080	9729	9149	-1715	21634	0	10	21634	2667	466	24766	49.97
12	6108	166	279	6553	300	5435	0	2217	9698	9501	-1844	21701	0	10	21701	2757	461	24919	49.98
13	6154	281	279	6714	270	5384	0	2267	9557	9334	-1857	21630	0	10	21630	2812	482	24924	49.96
14	6319	175	279	6773	308	5583	0	2106	9366	9429	-1891	21867	0	10	21867	2803	441	25111	49.96
15	6776	171	279	7226	349	6265	0	1828	9442	9201	-1803	22622	0	9	22622	2841	444	25907	49.95
16	7053	164	278	7495	336	6703	0	1198	9713	9541	-1819	22971	0	2	22971	2864	483	26318	49.96
17	7079	237	278	7594	522	6728	0	712	9589	9024	-1721	22370	0	0	22370	2749	489	25608	50.01
18	6939	231	279	7449	509	6361	0	319	8909	8421	-1564	21012	0	0	21012	2626	483	24121	49.97
19	6996	325	280	7601	445	6385	0	19	8240	8136	-1412	20688	0	0	20688	2602	486	23776	49.95
20	7259	557	284	8100	450	6979	0	0	8604	8337	-1543	21840	0	0	21840	2714	483	25037	49.98
21	7413	267	285	7965	452	7052	0	0	8544	8132	-1577	21564	0	0	21564	2738	460	24762	49.96
22	7123	455	285	7863	390	7130	0	0	8048	8013	-1661	21282	0	0	21282	2772	453	24507	49.99
23	7093	1130	288	8511	290	7163	0	0	7597	7547	-1355	21687	0	0	21687	2855	469	25011	50.01
24	6747	1761	295	8803	370	7170	0	0	7451	7562	-1319	22135	0	0	22135	2996	451	25582	50.01
MUs	166.32	10.42	6.85	183.59	9.87	157.72	0.00	16.13	209.19	202.82	-37.72	521.76	0.00	0.06	521.76	65.00	10.65	597.41	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.

*Load Shedding due to Transmission Constraint :-

- 1)ELR Carried out due to 132kv BBLR to Rahuri line overload.
- 2)ELR Carried out due to 50MVA 220/33kv TF1&2 are parallel & HV Overload.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 21/Apr/2024

Position as on 6.30 Hrs of 22/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		Continued.	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	23/04/2024
MSPGCL	Chandrapur Unit 8	500	19/04/2024	11:15	21/04/2024	23.34	Boiler Tube Leakage	21/04/2024
MSPGCL	Koyna STG-IV Unit-4	250	21/04/2024	21:45	22/04/2024	00:25	Tripped on Gov. Rupture bolt fault	
MSPGCL	Koradi Unit-10	660	21/04/2024	23:14		Continued.	USPECTED MSV DRAIN LINE LEAKAGE	23/04/2024
MSPGCL	Chandrapur Unit 8	500	21/04/2024	23:48		Continued.	Generator Elect. Fault	22/04/2024
MSPGCL	Khaparkhedda Unit 5	500	22/04/2024	07:26		Continued.	Boiler Tube Leakage	
Total Capacity MSPGCL		3030						
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		3350						
UNIT UNDER ZERO SCHEDULE / RSD								
MSPGCL								
MSPGCL	Uran Unit 6	108	20/04/2024	20:11	21/04/2024	23:47	Zero Schedule given by MSEDCL	
MSPGCL	Uran Unit 5	108	20/04/2024	20:34	22/04/2024	00:28	Zero Schedule given by MSEDCL	
Total Capacity MSPGCL		216						
Total Capacity UNIT UNDER ZERO SCHEDULE / RSD		216						
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	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 21/Apr/2024

Position as on 6.30 Hrs of 22/Apr/2024

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
							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 21/Apr/2024

Statement-VII

Position as on 6.30 Hrs of 22/Apr/2024

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400 KV LINE Outages/Trippings							
AURANGABAD(MS) - AURANGABAD(PG) CKT -2	InterState	20/04/2024	18:43	21/04/2024	02:39	T	LINE TRIPPED ON DISTANCE PROTECTION.
BUS REACTOR (50MVAR) @ PARLI	IntraState	27/09/2023	15:30			PO	Replacement of old 50 MVar bus reactor by new 125 MVar bus reactor.
DEEPNAGAR - THAPTI TANDA	IntraState	21/04/2024	06:05	21/04/2024	18:34	PO	Replacement of faulty disc insulators by LRP strings
AURANGABAD(MS) - PUNE (GIS) CKT - 1	IntraState	21/04/2024	08:14			HT	H/T For load Management
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 500MVA ICT - 4 @ KALWA	IntraState	21/04/2024	04:52	21/04/2024	08:10	PO	Hotspot attending of B ph HV(92 Degree) bushing,Y Ph HV CT(102Degree) Pad, LV CT Pad(128)
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							
PARLI (OLD GCR) - PARLY (PG) CKT 1	InterState	21/04/2024	08:38	21/04/2024	09:26	PO	Abnormal looking and heavily swinging of line side jump of b-ph ct.
ALEPHATA-PARGAON(KATHAPUR)	IntraState	16/03/2024	01:34			HT	Hand Tripped For Load management
KHARGHAR - ULWE GIS CKT-1	IntraState	19/04/2024	15:22			T	Wavetrap uncoiled at Kharghar end
TROMBAY DHARAVI - 6	IntraState	21/04/2024	00:06	21/04/2024	06:12	PO	repair to critical hot spot on C Ph online termination loop connection
TROMBAY - VIKHROLI (GIS) CKT - 1 / CARNAC 7	IntraState	21/04/2024	00:31	21/04/2024	05:11	PO	Repair to damaged B Ph loop connector at loc. 24
KHAREPATAN -PAWAS LINE	IntraState	21/04/2024	09:15	21/04/2024	17:00	PO	Insulator cold washing of loc no. 1 -30 & 76-82
LONAND - KANDALGAON (SONA ALLOY TAP)	IntraState	21/04/2024	15:10	21/04/2024	19:19	PO	Replacement of flashover insulator at Loc No.D22
KARAD - WATHAR	IntraState	22/04/2024	06:34			PO	For hot spot attending work observed in thermoscaning at tower loc no. 160A, 4, 7, 9, 106, 113, 133, 145.
LONAND-PHALTAN MIDC	IntraState	22/04/2024	07:03			PO	Regarding connection of 220KV Jejuri & Lonand ckt-I line to 220KV Lonand & Phaltan MIDC line through 220KV auxiliary bus due to overloading of 400KV Talegaon-Chakan PGCIL line (Off Load operation)
JEJURI (400kv) - LONAND CKT - 1	IntraState	22/04/2024	07:34			PO	Regarding connection of 220KV Jejuri & #65533; Lonand ckt-I line to 220KV Lonand & #65533; Phaltan MIDC line through 220KV auxiliary bus due to overloading of 400KV Talegaon-Chakan PGCIL line (Off Load operation)
220 KV ICT Outages/Trippings							
220 / 110 / 33kv 250MVA ICT 2 @ SAKI	IntraState	21/04/2024	09:09	21/04/2024	16:04	PO	R/M AND TESTING
220 / 105 / 33kv 250 MVA ICT 7 @ DHARAVI	IntraState	21/04/2024	09:35	21/04/2024	16:04	PO	R/M, PM checks, device trials, LT cable box inspection
220/33 KV 25 MVA PTR 2 @ ONI	IntraState	22/04/2024	06:51			PO	1) Preventive Maintenance work.

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Apr/2024

Statement-VII

Position as on 6.30 Hrs of 22/Apr/2024

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
110 KV LINE Outages/Trippings							
SALSETTE POWAI	IntraState	27/03/2023	11:04			PO	Replacement of tower number 77 & 78 for TDS project work.
KOLSHET - BMC - BORIVALI (T) - BORIVALI (M)	IntraState	20/04/2024	23:33	21/04/2024	07:28	PO	BMC END WORK
WAGHIVALI - CHEMBUR	IntraState	21/04/2024	00:35	21/04/2024	11:07	PO	MANDALE PROJECT WORK
KHOPOLI - BHOKARPADA	IntraState	21/04/2024	11:28	21/04/2024	12:01	PO	FOR BIRD NEST REMOVAL
WAGHIVALI - CHEMBUR	IntraState	22/04/2024	01:30			PO	MANDALE PROJECT WORK

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