

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 24/Apr/2024 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	173.702	4136.251	1) Gujrat	3.633	80.937
2) Hydro	13.881	293.747	2) Madhya Pradesh	11.753	280.968
3) Gas	8.296	176.791	3) Chattisgarh	4.040	95.870
Total MSPGCL	195.879	4606.789	4) Maharashtra	198.999	4538.602
B) 1) APLM	46.692	1588.362	5) Goa (Amona)	-2.301	-63.829
2) JSWEL	28.320	637.400	Total	216.124	4932.548
3) VIPL	0.000	0.000	a) Mumbai Schedule	49.004	918.762
4) RPL(AMT)	31.673	734.242	b) Mumbai Drawl	44.810	980.905
5) SWPGPL	10.786	262.803	c) MSEDCL Bilateral *	62.368	2148.771
6) Other IPP	21.043	553.480	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	49.004	918.762
C) 1) TPCL Thermal	13.604	303.752	Include PX	0.000	0.000
2) TPCL Hydro	6.034	117.023	Standby	0.000	0.000
3) TPCL Gas	4.129	96.222	H) ENERGY CATERED (MUs)		
4) AEML Thermal	6.487	228.386	1) MSEDCL	522.012	12759.142
D) STATE			2) Mumbai Discoms	75.064	1726.285
1) Thermal	332.307	8444.676	3) Other Discoms	11.173	260.906
(A1+C1+C4+(B1-B6))			TOTAL STATE	608.249	14746.333
2) Hydro	19.915	410.770			
3) Gas	12.425	273.013			
4) Wind	10.861	306.260			
6) SOLAR	16.617	379.069			
TOTAL STATE	392.125	9813.788			

* 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 5 Hrs
MSPGCL Thermal	6532	7554	7751	7101
MSPGCL Hydro	365	402	265	693
MSPGCL Gas	365	367	357	302
MSPGCL Total Generation	7262	8323	8373	8096
Central Sector Receipt	10124	10198	8507	8860
WIND	119	186	903	462
CPP / IPP Thermal	5327	6052	6864	5251
CPP / IPP Gas	0	0	0	0
SOLAR	2267	1422	0	0
Exchange with Mumbai	-2223	-2250	-1947	-1593
MSEDCL DEMAND MET	22372	23424	22189	20697
Load Shedding	0	0	0	0
MSEDCL DEMAND	22372	23424	22189	20697
TPCL GENERATION	1162	1224	1114	623
AEML GENERATION	250	248	237	178
MUMBAI DEMAND	3635	3722	3298	2394
OTHER DISCOM DEMAND	504	507	511	379
STATE DEMAND MET	26511	27653	25998	23470
STATE DEMAND	26511	27653	25998	23470
Frequency (Hz)	50.02	49.94	50.01	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.24 Hz at 08.01 Hrs	49.81 Hz at 15.12 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 24/Apr/2024

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.42	85.50	195	155
Unit 8	14.45	335.97	616	583
Unit 9	14.96	334.72	633	614
Unit 10	15.37	215.26	660	617
Total	49.20	971.45		
Bhusawal				
Unit 3	3.65	85.74	175	125
Unit 4	4.19	192.88	445	0
Unit 5	10.52	223.78	485	300
Total	18.35	502.40		
Parli				
Unit 6	4.62	105.62	250	141
Unit 7	4.47	107.50	241	148
Unit 8	0.00	98.13	0	0
Total	9.08	311.26		
Chandrapur				
Unit 3	3.08	76.08	140	120
Unit 4	3.80	78.36	169	127
Unit 5	9.48	183.25	440	285
Unit 6	8.55	200.87	400	280
Unit 7	8.64	205.94	442	290
Unit 8	10.55	208.24	469	391
Unit 9	11.61	274.72	500	410
Total	55.70	1227.46		
Paras				
Unit 3	5.05	117.64	236	174
Unit 4	5.22	131.41	255	147
Total	10.27	249.05		
Khaparkheda				
Unit 1	3.72	90.06	175	130
Unit 2	4.34	101.83	200	154
Unit 3	4.19	95.60	176	171
Unit 4	1.43	94.19	192	0
Unit 5	5.87	242.51	470	0
Total	19.55	624.19		
Nasik				
Unit 3	3.96	74.90	180	129
Unit 4	3.92	90.68	176	126
Unit 5	3.66	84.86	165	125
Total	11.54	250.44		
Uran				
All Units	8.30	176.79	470	283
Total	8.30	176.79		
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)	0.16	4.60	33	0
Total	0.16	4.60		
Koyna				
Stage 1-2	2.78	71.06	350	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	6.06	87.83	631	0
Stage 3	1.56	35.13	160	0
Total	10.41	194.02		
Hydro				
KDPH	0.76	19.51	32	31
VTRNA	0.92	19.87	60	0
TILLARI	0.00	1.62	0	0
BHIRA T.R.	0.00	0.00	0	0
SMLHY_PTN	1.79	52.86	78	72
GHATGHAR	0.00	5.86	0	0
Total	3.47	99.73		
Wind				
Total	10.86	306.26	0	0
Total	10.86	306.26		
CPP				
APML(Mus)	46.69	1588.36	0	0
JSWEL(Mus)	28.32	637.40	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	31.67	734.24	0	0
SWPGPL-Mus	10.79	262.80	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.77	128.44	270	208
Other(Mus)	10.02	323.80	0	0
JPL	5.25	101.24	269	177
Total	138.51	3776.29		
SOLAR				
Total	16.62	379.07	0	0
Total	16.62	379.07		
Tata				
Trombay 5	8.64	198.80	468	263
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.59	59.93	108	107
Trombay 7B	1.54	36.30	65	64
TATA Hydro	6.03	117.02	435	51
Trombay 8	4.96	104.95	232	132
Total	23.77	517.00		
AEML				
DTPS U-1&2	6.49	228.39	491	178
Total	6.49	228.39		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	173.70	4136.25	MSPGCL Total	195.88	4606.79
			MSPGCL Thml+Gas	182.00	4313.04	Koyna 1,2 & 4 Total	8.85	158.89
			MSPGCL Hydro	13.88	293.75	State Total	392.12	9813.79

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 24/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	7224	1200	395	8819	509	5222	0	0	9042	8810	-1661	21282	0	0	21282	2918	417	24617	49.96
2	7200	1180	470	8850	515	5273	0	0	9001	8707	-1678	21280	0	0	21280	2784	387	24451	49.99
3	7161	959	470	8590	516	5262	0	0	8886	8607	-1654	20966	0	0	20966	2595	355	23916	49.99
4	7168	688	469	8325	485	5265	0	0	8886	8624	-1644	20706	0	0	20706	2468	349	23523	49.99
5	7101	693	302	8096	462	5251	0	0	8872	8860	-1593	20697	0	0	20697	2394	379	23470	50.00
6	7120	980	293	8393	494	5220	0	0	9002	9003	-1506	21200	0	0	21200	2425	404	24029	49.99
7	7135	1128	293	8556	424	5148	0	78	9300	9150	-1376	21537	0	0	21537	2465	443	24445	50.02
8	7035	1050	291	8376	363	5038	0	481	8737	8963	-1588	21177	0	0	21177	2601	456	24234	50.05
9	6744	533	287	7564	251	5069	0	1087	9242	9282	-1905	20867	0	0	20867	2915	481	24263	49.99
10	6937	262	283	7482	216	5193	0	1776	10014	9638	-2205	21605	0	1	21605	3237	495	25337	49.91
11	6835	226	294	7355	178	5386	0	2120	10568	9817	-2162	22192	0	43	22192	3519	502	26213	49.98
12	6532	365	365	7262	119	5327	0	2267	10547	10124	-2223	22372	0	134	22372	3635	504	26511	50.02
13	6760	350	360	7470	121	5109	0	2292	10389	9953	-2238	22211	0	49	22211	3654	496	26361	49.82
14	6630	353	363	7346	141	5124	0	2147	10346	10082	-2180	22179	0	1	22179	3591	481	26251	49.96
15	7107	431	364	7902	211	5413	0	1821	10338	10220	-2218	22846	0	71	22846	3692	503	27041	49.95
16	7554	402	367	8323	186	6052	0	1422	10384	10198	-2250	23424	0	60	23424	3722	507	27653	49.94
17	7682	322	369	8373	389	6334	0	782	10182	9716	-2164	22905	0	34	22905	3663	525	27093	49.95
18	7612	219	373	8204	458	6371	0	317	9560	8568	-2204	21192	0	3	21192	3494	522	25208	49.99
19	7577	209	374	8160	905	6382	0	27	9093	8749	-2148	21554	0	0	21554	3313	521	25388	50.03
20	7751	265	357	8373	903	6864	0	0	8595	8507	-1947	22189	0	0	22189	3298	511	25998	50.01
21	7651	255	288	8194	804	6935	0	0	8170	7928	-1749	21608	0	0	21608	3220	504	25332	50.03
22	7641	210	287	8138	905	7053	0	0	7606	7607	-1566	21629	0	0	21629	3142	508	25279	50.04
23	7768	593	290	8651	756	7089	0	0	7333	7364	-1470	21925	0	0	21925	3144	465	25534	50.02
24	7777	1008	292	9077	550	7134	0	0	7326	7647	-1481	22472	0	0	22472	3175	455	26102	50.01
MUs	173.70	13.88	8.30	195.88	10.86	138.51	0.00	16.62	221.42	216.12	-44.81	522.01	0.00	0.40	522.01	75.06	11.17	608.25	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) ELR carried out due to overload of 132KV BBLSR-Rahuri and MIDC-Sonewadi line. 2) Due to overloading of 400KV Chakan-Talegaon line and 220KV Alephata-BBLSR line.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 24/Apr/2024

Position as on 6.30 Hrs of 25/Apr/2024

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
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	24/04/2024	11:07	Boiler Tube Leakage	24/04/2024
MSPGCL	Khaparkheda Unit 5	500	22/04/2024	07:26	24/04/2024	07:56	Boiler Tube Leakage	25/04/2024
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	25/04/2024	08:07	Boiler Tube Leakage	26/04/2024
MSPGCL	Chandrapur Unit 3	210	25/04/2024	01:57		Continued.	Boiler Tube Leakage	
Total Capacity MSPGCL		1790						
AEML								
AEML	AEML Unit 1	250	23/04/2024	01:10	24/04/2024	19:57	Boiler Tube Leakage	26/04/2024
Total Capacity AEML		250						
IPP								
IPP	Adani U-1	660	23/04/2024	20:14	24/04/2024	10:08	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	24/04/2024	13:22	Due to tripping of both the 400 KV Tirora-Warora line-1&2 & ICT.	24/04/2024
IPP	Adani U-2	660	24/04/2024	13:31	24/04/2024	16:16	Turbine Trip	24/04/2024
Total Capacity IPP		2640						
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		5000						
UNIT UNDER ZERO SCHEDULE / RSD								
MSPGCL								
MSPGCL	Uran Unit 6	108	24/04/2024	04:00	24/04/2024	10:48	Zero Schedule Given By MSEDCL	
MSPGCL	Uran Unit 5	108	24/04/2024	04:16		Continued.	Zero Schedule Given By MSEDCL	
MSPGCL	Uran Unit 6	108	24/04/2024	19:52		Continued.	No SChedule given by discom and no requirement for MMR	
Total Capacity MSPGCL		324						

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 24/Apr/2024

Position as on 6.30 Hrs of 25/Apr/2024

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Total Capacity UNIT UNDER ZERO SCHEDULE / RSD		324						
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 24/Apr/2024

Statement-VII

Position as on 6.30 Hrs of 25/Apr/2024

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400 KV MAINBAY Outages/Trippings							
400KV MAIN BAY 403 AKOLA 2 CKT 1 @ NANDGAONPETH	InterState	24/04/2024	11:20	24/04/2024	20:06	PO	SF6 gas decreasing gradually in B-phase of CB-403. Checking & Attending of Sf6 gas leakage will be carried out.
400 KV LINE Outages/Trippings							
KOLHAPUR - SOLAPUR (PG) CKT - 2	InterState	24/04/2024	17:25	24/04/2024	21:08	T	Tripped on distance protection
LONIKAND I - TALEGAON (PGCIL)	InterState	25/04/2024	01:32			HT	Emergency outage availed for Rph. CVT replacement work at PG end.
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-2	IntraState	22/04/2024	17:27			T	Tripped on distance protection.
CHANDRAPUR 2 - WARORA CKT-1	IntraState	22/04/2024	17:27			T	Tripped on distance protection.
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 - 2 @ TIRORA	IntraState	23/04/2024	20:15	24/04/2024	02:09	T	Busbar protection operated
TIRORA - WARORA CKT - 2	IntraState	23/04/2024	20:15	24/04/2024	01:39	T	Tripped on R-E fault Warora end
220 KV WAGHALA-KUMBHARGAON (400 KV) CKT -2	IntraState	24/04/2024	07:38	24/04/2024	09:43	PO	To attend Red Hot
LONIKAND - JEJURI CKT - 1	IntraState	24/04/2024	10:00	24/04/2024	10:49	HT	For load managment on 400 kv Lonikand- TalegaonPG Line
DEEPNAGAR - THAPTI TANDA	IntraState	24/04/2024	11:24	24/04/2024	18:33	PO	Replacement of faulty disc insulators by LRP strings
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 - 1 @ KARAD	IntraState	24/04/2024	17:38	25/04/2024	00:04	PO	Replacement of MOG & Buchholz relay of all 3 units. Diagnostic testing 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
KARAD -MUDSHINGI CKT- 4	IntraState	23/04/2024	16:11	24/04/2024	04:40	T	Tripped on distance protection.
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	24/04/2024	12:44	T	Distance Protection
PEDAMBE-KALAMBANI(TSS)	IntraState	24/04/2024	06:20	24/04/2024	13:42	PO	For dismantling of old tower at loc no- 94.
BOISAR II - BOISAR (PG) CKT - 1	IntraState	24/04/2024	06:33	24/04/2024	09:51	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.

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/Apr/2024

Statement-VII

Position as on 6.30 Hrs of 25/Apr/2024

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
AMBAZARI-KALMESHVAR	IntraState	24/04/2024	10:19	24/04/2024	16:38	PO	Testing work
CHAKAN-BHOSARI 1	IntraState	24/04/2024	10:54	24/04/2024	18:56	T	For load management on 400 kv Lonikand- TalegaonPG Line
SOUTH SOLAPUR (KUMBHARI) - SOLAPUR (PG) CKT - 2	IntraState	24/04/2024	11:33	24/04/2024	16:52	PO	Outage is required for Quarterly Maintenance
KUMBHARGAON-BHOKAR CKT 2	IntraState	24/04/2024	13:05	24/04/2024	17:30	PO	To attend Red Hot
KARAD - KADEGAON	IntraState	24/04/2024	17:12	24/04/2024	20:40	PO	Replacement of faulty disc insulator string found in PID at Loc No.1,18,20,21
TALANDGE - MUDSHINGI CKT - 1	IntraState	24/04/2024	17:29	24/04/2024	19:13	T	Tripped on distance protection
TALANDGE - SAWANTWADI	IntraState	24/04/2024	17:58	24/04/2024	21:17	T	Tripped on distance protection
NEW TPS - WAGHALA CKT 1	IntraState	24/04/2024	19:11	24/04/2024	00:44	T	Distance Protection
TROMBAY MSETCL TIE - 2	IntraState	24/04/2024	23:25	25/04/2024	06:34	PO	220KV Tie line-2 TATA end LA testing
KALWA SALSETTE - 4	IntraState	24/04/2024	23:41	25/04/2024	03:14	PO	Protection testing and trial operation
BOISAR II - BOISAR (PG) CKT - 1	IntraState	25/04/2024	04:47			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.
220 KV ICT Outages/Trippings							
200 MVA 220/132 KV ICT 2 @ GIRWALI	IntraState	24/04/2024	10:55	24/04/2024	15:44	PO	CB overhauling work
220/132 KV 100 MVA ICT 1	IntraState	24/04/2024	15:09	24/04/2024	19:30	PO	1) Attending red hot on B-ph LV Bushing. 2) HV CB time test. 3) Packing of buchholz & PRV considering upcoming monsoon season.
132 KV LINE Outages/Trippings							
MANSAR-PENCH	InterState	24/04/2024	12:15	24/04/2024	16:50	PO	Routine Maint. 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