

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 14/Apr/2024 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	182.030	2422.725	1) Gujrat	-1.451	46.489
2) Hydro	8.543	138.374	2) Madhya Pradesh	10.567	163.747
3) Gas	6.877	90.599	3) Chattisgarh	4.140	54.430
Total MSPGCL	197.450	2651.698	4) Maharashtra	178.792	2560.402
B) 1) APML	55.153	970.209	5) Goa (Amona)	-2.776	-37.123
2) JSWEL	28.398	350.842	Total	189.272	2787.945
3) VIPL	0.000	0.000	a) Mumbai Schedule	26.488	495.477
4) RPL(AMT)	25.647	423.193	b) Mumbai Drawl	34.619	540.192
5) SWPGPL	9.436	155.111	c) MSEDCL Bilateral *	79.074	1266.698
6) Other IPP	17.264	357.907	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	26.488	495.477
C) 1) TPCL Thermal	10.706	168.104	Include PX	0.000	0.000
2) TPCL Hydro	2.232	55.680	Standby	0.000	0.000
3) TPCL Gas	3.688	55.339	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.418	143.738	1) MSEDCL	500.288	7418.278
D) STATE			2) Mumbai Discoms	60.663	963.054
1) Thermal	338.052	4991.829	3) Other Discoms	10.456	150.968
(A1+C1+C4+(B1-B6))			TOTAL STATE	571.407	8532.300
2) Hydro (A2+C2)	10.775	194.054			
3) Gas (A3+B7+C3)	10.565	145.938			
4) Wind	6.852	191.632			
6) SOLAR	15.891	220.901			
TOTAL STATE	382.135	5744.354			

* 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	6945	7290	7891	7749
MSPGCL Hydro	268	298	432	242
MSPGCL Gas	283	275	283	297
MSPGCL Total Generation	7496	7864	8606	8288
Central Sector Receipt	8451	8265	8527	7626
WIND	180	199	277	328
CPP / IPP Thermal	4945	5628	5880	5957
CPP / IPP Gas	0	0	0	0
SOLAR	2135	1369	0	0
Exchange with Mumbai	-1622	-1563	-1613	-1239
MSEDCL DEMAND MET	21127	21284	21208	20628
Load Shedding	0	0	0	0
MSEDCL DEMAND	21127	21284	21208	20628
TPCL GENERATION	664	760	753	654
AEML GENERATION	313	383	383	327
MUMBAI DEMAND	2599	2706	2749	2220
OTHER DISCOM DEMAND	458	477	470	331
STATE DEMAND MET	24184	24468	24427	23180
STATE DEMAND	24184	24468	24427	23180
Frequency (Hz)	50.03	50.02	49.96	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.34 Hz at 18.03 Hrs	49.76 Hz at 14.20 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 14/Apr/2024

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.20	55.84	185	140
Unit 8	14.86	193.31	640	601
Unit 9	13.98	192.19	617	556
Unit 10	13.99	98.53	620	500
Total	47.02	539.88		
Bhusawal				
Unit 3	3.58	49.11	170	120
Unit 4	10.91	151.15	495	300
Unit 5	10.35	119.44	495	300
Total	24.84	319.70		
Parli				
Unit 6	4.66	58.20	246	145
Unit 7	4.75	60.71	245	144
Unit 8	4.91	59.04	250	142
Total	14.32	177.95		
Chandrapur				
Unit 3	2.36	43.23	135	0
Unit 4	3.35	51.08	151	125
Unit 5	0.00	102.37	0	0
Unit 6	9.06	122.15	453	275
Unit 7	9.22	108.75	452	293
Unit 8	10.01	139.10	425	402
Unit 9	11.60	159.60	499	461
Total	45.60	726.28		
Paras				
Unit 3	5.62	65.67	246	194
Unit 4	5.77	78.78	252	178
Total	11.38	144.45		
Khaparkheda				
Unit 1	3.45	52.92	170	125
Unit 2	4.53	58.42	196	182
Unit 3	4.02	54.76	179	129
Unit 4	4.50	54.42	193	175
Unit 5	11.38	157.24	490	455
Total	27.87	377.76		
Nasik				
Unit 3	3.72	35.71	176	128
Unit 4	3.73	52.40	176	123
Unit 5	3.54	48.60	167	117
Total	10.99	136.71		
Uran				
All Units	6.88	90.60	301	271
Total	6.88	90.60		
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)	0.21	2.42	47	0
Total	0.21	2.42		
Koyna				
Stage 1-2	3.37	34.57	380	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.65	29.80	501	0
Stage 3	0.85	14.29	240	0
Total	4.86	78.66		
Hydro				
KDPH	0.80	11.68	34	34
VTRNA	0.74	11.32	60	0
TILLARI	0.00	1.62	0	0
BHIRA T.R.	0.00	0.00	0	0
SMLHY_PTN	2.14	31.77	92	84
GHATGHAR	0.00	3.32	0	0
Total	3.68	59.71		
Wind				
Total	6.85	191.63	0	0
Total	6.85	191.63		
CPP				
APML(Mus)	55.15	970.21	0	0
JSWEL(Mus)	28.40	350.84	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.65	423.19	0	0
SWPGPL-Mus	9.44	155.11	0	0
Dhariwal	0.00	0.00	0	0
IEPL	3.81	76.77	162	156
Other(Mus)	11.06	221.54	0	0
JPL	2.39	59.60	184	65
Total	135.90	2257.26		
SOLAR				
Total	15.89	220.90	0	0
Total	15.89	220.90		
Tata				
Trombay 5	7.09	110.49	364	265
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.27	34.40	108	38
Trombay 7B	1.42	20.94	65	36
TATA Hydro	2.23	55.68	191	8
Trombay 8	3.61	57.61	195	131
Total	16.63	279.12		
AEML				
DTPS U-1&2	9.42	143.74	492	290
Total	9.42	143.74		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	182.03	2422.72	MSPGCL Total	197.45	2651.70
			MSPGCL Thml+Gas	188.91	2513.32	Koyna 1,2 & 4 Total	4.02	64.37
			MSPGCL Hydro	8.54	138.37	State Total	382.14	5744.35

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 14/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	7885	342	278	8506	581	6077	0	0	7736	7680	-1466	20969	0	0	20969	2643	409	24020	49.97
2	7826	432	295	8554	509	5971	0	0	7643	7641	-1346	20964	0	0	20964	2477	364	23805	49.98
3	7908	356	296	8560	452	5954	0	0	7773	7246	-1324	20543	0	0	20543	2330	344	23217	49.94
4	7749	242	297	8288	328	5957	0	0	7925	7626	-1239	20628	0	0	20628	2220	331	23180	50.01
5	7873	242	300	8416	232	5953	0	0	7812	7869	-1142	20966	0	0	20966	2165	362	23493	49.96
6	7967	518	301	8786	121	5940	0	0	7943	7832	-1088	21202	0	0	21202	2194	388	23784	49.95
7	8013	744	297	9054	125	5943	0	70	7873	7852	-1048	21579	0	0	21579	2188	417	24184	50.01
8	8029	420	296	8746	116	5891	0	455	7539	7272	-1066	20973	0	0	20973	2204	440	23617	50.04
9	7420	178	297	7894	121	5609	0	1077	7774	7208	-1273	20182	0	1	20182	2296	455	22933	50.02
10	7003	228	286	7518	169	5074	0	1620	7961	8046	-1392	20573	0	9	20573	2417	461	23452	49.99
11	6977	226	285	7488	186	4921	0	1979	8615	8588	-1579	21119	0	11	21119	2533	464	24116	50.01
12	6945	268	283	7496	180	4945	0	2135	8617	8451	-1622	21127	0	14	21127	2599	458	24184	50.03
13	6745	222	271	7238	208	4969	0	2136	8537	8466	-1722	20855	0	11	20855	2609	440	23904	50.06
14	6785	228	272	7286	205	4974	0	2117	8347	8001	-1689	20450	0	11	20450	2614	444	23507	50.01
15	7136	228	275	7638	277	5181	0	1756	8473	8145	-1664	20875	0	12	20875	2644	459	23978	49.94
16	7290	298	275	7864	199	5628	0	1369	8298	8265	-1563	21284	0	10	21284	2706	477	24468	50.02
17	7511	406	276	8194	306	5844	0	832	8037	8001	-1476	21217	0	4	21217	2675	483	24375	50.01
18	7753	262	276	8290	269	5828	0	303	8040	7829	-1514	20507	0	0	20507	2614	499	23620	50.02
19	7886	232	282	8400	290	5887	0	42	7894	7692	-1553	20265	0	0	20265	2597	493	23355	50.03
20	7891	432	283	8606	277	5880	0	0	8853	8527	-1613	21208	0	0	21208	2749	470	24427	49.96
21	7849	292	287	8428	396	5866	0	0	8361	8015	-1528	20705	0	0	20705	2778	473	23956	49.94
22	7871	208	288	8368	468	5863	0	0	8341	7589	-1530	20302	0	0	20302	2775	455	23533	49.95
23	7770	488	289	8546	407	5882	0	0	8189	7922	-1575	20742	0	0	20742	2792	441	23975	49.90
24	7948	1048	292	9288	430	5862	0	0	7662	7509	-1607	21053	0	0	21053	2844	429	24326	49.96
MUs	182.03	8.54	6.88	197.45	6.85	135.90	0.00	15.89	194.24	189.27	-34.62	500.29	0.00	0.08	500.29	60.66	10.46	571.41	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 overloading 132kv 50mva T/F, 132kv BBLR to Rahuri line overload.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 14/Apr/2024

Position as on 6.30 Hrs of 15/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.	15/04/2024
MSPGCL	Koyna Unit 11	80	10/07/2023	09:40		Continued.	Capital Overhaul	20/04/2024
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	Chandrapur Unit 5	500	13/04/2024	00:31		Continued.	Excessively high DM consumption due to FD 47 and boiler side leakages.	17/04/2024
MSPGCL	Chandrapur Unit 3	210	13/04/2024	02:52	14/04/2024	01:50	PA Fan problem	13/04/2024
MSPGCL	Ghatghar Unit-1	125	13/04/2024	15:00		Continued.	GM Link Fault	16/04/2024
Total Capacity MSPGCL		955						
IPP								
IPP	RPL(AMT) U-1	270	12/04/2024	05:30		Continued.	Bottom ash evacuation problem	15/04/2024
IPP	Adani U-3	660	13/04/2024	04:57		Continued.	APH-A inlet bellow leakage	17/04/2024
Total Capacity IPP		930						
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		2205						
UNIT UNDER ZERO SCHEDULE / RSD								
MSPGCL								
MSPGCL	Uran Unit 6	108	07/04/2024	06:57		Continued.	Zero Schedule(Due to open cycle can be taken on bar as per MSEDCL requirement)	
Total Capacity MSPGCL		108						
IPP								
IPP	JPL Unit 2	150	14/04/2024	08:49		Continued.	Low net sales realization.	
Total Capacity IPP		150						

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 14/Apr/2024

Position as on 6.30 Hrs of 15/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		258						
FORCED OUTAGE DUE TO NO PPA								
IPP								
IPP	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule.(NO PPA)	
IPP	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)	
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 14/Apr/2024

Statement-VII

Position as on 6.30 Hrs of 15/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 1500MVA ICT @ AKOLA 2	IntraState	14/04/2024	10:17	15/04/2024	03:41	PO	Insulation Coating of 33KV Tertiary yard
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.
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	28/03/2024	23:52			HT	For load management of Talegaon Chakan line
PADGHE - KALWA CKT - 1	IntraState	12/04/2024	13:58			PO	1.B Bus PG Isolator replacement work under LES Scheme. 2. 400kV Kalwa-I in service through TBC. 3.CB Diagonostic Testing Work.
MAIN BUS - 2 @ PADGHE	IntraState	13/04/2024	12:40			PO	1.Replacement of Hanger Assembly of B Bus PG Isolator of Kalwa-1 by hot line method. 2. All feeders on B Bus will be in service.
JAIGAD - KARAD CKT - 1	IntraState	14/04/2024	12:45	14/04/2024	22:50	T	Tripped on 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.
400/220/20 KV 100 MVA SPARE BHEL ICT @ KORADI	IntraState	15/04/2024	08:05			PO	For replacement of 29D isolator drive mechanism & alignment works. Other routine maintenance works.
220 KV MAINBAY Outages/Trippings							
220KV BUS SECTION BAY @ PEDAMBE	IntraState	03/04/2024	15:55			T	Tripped due to Y ph CT burst
PT BAY @ COLOURCHEM	IntraState	14/04/2024	09:29	14/04/2024	19:00	PO	For Separation of combine jumper of 220kV Bus PT & 220kV TBC on main bus and maintenance of 220kV TBC main bus 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
DAHANU - VERSOVA	IntraState	09/04/2024	22:49			PO	Shifting of Lines on Newly constructed Towers for DFCCIL 1. Bunching of lines will be done on Tower no 82.
BOISAR - VERSOVA	IntraState	09/04/2024	22:53				Shifting of Lines on Newly constructed Towers for DFCCIL 1. Bunching of lines will be done on Tower no 82.
APTA - PRINT HOUSE LINE	IntraState	13/04/2024	08:48	14/04/2024	16:12	PO	Errection of new inline ND+3 Tower for height rasing at Talaja MIDC road between Loc no. 638 to 639. Work includes stringing, complete erection. Etc
JEJURI (400 KV)-JEJURI- I	IntraState	13/04/2024	16:34	14/04/2024	04:27	PO	Retrofitting of Distance Protection Relay by M/s GE.
PARLI NEW TPS - BEED CKT 1	IntraState	13/04/2024	16:38	14/04/2024	04:25	PO	RELAY REPL.
ADLABS - PEDAMBE	IntraState	13/04/2024	19:57	14/04/2024	02:50	T	Line tripped on distance protection.

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Apr/2024

Statement-VII

Position as on 6.30 Hrs of 15/Apr/2024

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
POPHALI - KDPH	IntraState	14/04/2024	09:00	14/04/2024	17:35	PO	For installation of OPGW from tower loc no. 1 to 11 of 220kV KDPH LILO line.
COLOURCHEM - TEMGHAR	IntraState	14/04/2024	09:29	14/04/2024	19:37	PO	For Separation of combine jumper of 220kV Bus PT & 220kV TBC on main bus and maintenance of 220kV TBC main bus isolator.
COLOURCHEM - TEMGHAR	IntraState	14/04/2024	09:29	14/04/2024	19:37	PO	To replace old rusted D'Shackle of Insulator strings at TL No. 24
AUXILARY BUS @ COLOURCHEM	IntraState	14/04/2024	09:29	14/04/2024	19:00	PO	For Separation of combine jumper of 220kV Bus PT & 220kV TBC on main bus and maintenance of 220kV TBC main bus isolator.
BOISAR II - BOISAR (PG) CKT - 1	IntraState	14/04/2024	09:48	14/04/2024	17:24	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 BAMBHORI - DEEPNAGAR CKT	IntraState	14/04/2024	11:42	14/04/2024	16:13	T	B= R PH DIST PRTN 1.684 KA 62.02 KM TL 70 .8 KM , D = 6.28 KM R PH Z1 10.6 KA
TATA BORIVLI MSETCL BORIVLI - 5	IntraState	15/04/2024	00:04	15/04/2024	02:57	PO	Cleaning & paint applying on porcelain insulator strings at Gantry Structure MSETCL Borivali end as observed heavy corona discharge on insulator string.
220 KV ICT Outages/Trippings							
220 / 110 / 33kV 250MVA ICT 9 @ DHARAVI	IntraState	14/04/2024	08:46	14/04/2024	17:01	PO	R/M, PM checks, device trials, LT cable box inspection
220 / 110 / 33kV 315 MVA ICT 6 @ CARNAC	IntraState	14/04/2024	09:46	14/04/2024	18:38	PO	Routine Mainetannce and Premonsoon Checks
220/33 kV 50 MVA CGL PTR 1 @ MUDSHINGI	IntraState	15/04/2024	08:20			PO	"Transformer painting work."
220/132KV 100MVA PTR 1 @ KHAREPATAN	IntraState	15/04/2024	08:20			PO	For 1)Isolator alignment & maintenance. 2)Bay equipment cold washing.
220/132-110KV 100MVA PTR 2 @ WATHAR	IntraState	15/04/2024	09:10			PO	1) Quarterly maintenance work 2) Diagnostic testing work
132 KV LINE Outages/Trippings							
DHARANI - NEPANAGAR	InterState	14/04/2024	01:10	14/04/2024	02:10	T	Tripped on distance protection.
UMARKHED-GUNJ	IntraState	14/04/2024	14:22	14/04/2024	16:08	EO	FOR REMOVING TARPAULIN HANGING ON LINE CONDUCTOR
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	14/04/2024	08:08	14/04/2024	20:22	PO	BMC END WORK
KALYAN KALWA SALSETTE 2	IntraState	14/04/2024	10:14	14/04/2024	14:50	PO	PROJECT WORK-LOOP CLOSING AT LOC-43
BHIVPURI - AMBERNATH CKT - 1	IntraState	15/04/2024	05:25			PO	For CT to line side GOD bus connecting work
110 KV BUSBAR Outages/Trippings							
BUS-3 @ KHOPOLI	IntraState	14/04/2024	06:05	14/04/2024	09:30	PO	110 KV Khopoli-Bokarpada Breaker Main Bus III side jumper connection after breaker O/H

