

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 25/Apr/2023 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	162.918	4122.281	1) Gujrat	-3.609	-84.629
2) Hydro	13.771	494.974	2) Madhya Pradesh	9.805	227.391
3) Gas	1.686	71.479	3) Chattisgarh	6.340	116.360
Total MSPGCL	178.375	4688.734	4) Maharashtra	206.690	4571.156
B) 1) APLM	69.473	1785.570	5) Goa (Amona)	-1.393	-37.216
2) JSWEL	26.110	632.623	Total	217.833	4793.062
3) VIPL	0.000	0.000	a) Mumbai Schedule	40.350	871.666
4) RPL(AMT)	31.304	747.769	b) Mumbai Drawl	43.969	962.164
5) SWPGPL	12.314	290.833	c) MSEDCL Bilateral *	113.969	2478.455
6) Other IPP	17.667	515.978	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	40.350	871.666
C) 1) TPCL Thermal	10.764	297.345	Include PX	0.000	0.000
2) TPCL Hydro	3.345	131.923	Standby	0.000	0.000
3) TPCL Gas	4.084	81.400	H) ENERGY CATERED (MUs)		
4) AEML Thermal	10.830	234.500	1) MSEDCL	528.523	12931.882
D) STATE			2) Mumbai Discoms	72.992	1707.330
1) Thermal	341.380	8626.899	3) Other Discoms	10.547	255.937
(A1+C1+C4+(B1-B6))			TOTAL STATE	612.062	14895.149
2) Hydro (A2+C2)	17.116	626.897			
3) Gas (A3+B7+C3)	5.770	152.879			
4) Wind	14.909	314.340			
6) SOLAR	15.054	381.074			
TOTAL STATE	394.229	10102.089			

* 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 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 23 Hrs
MSPGCL Thermal	6845	6832	6751	6649
MSPGCL Hydro	395	150	1112	1090
MSPGCL Gas	68	57	139	174
MSPGCL Total Generation	7308	7039	8002	7913
Central Sector Receipt	10398	10279	7860	7564
WIND	253	279	1039	1081
CPP / IPP Thermal	6217	6297	6814	6904
CPP / IPP Gas	0	0	0	0
SOLAR	2065	2000	0	0
Exchange with Mumbai	-2324	-2291	-1938	-1810
MSEDCL DEMAND MET	23431	23129	21312	21220
Load Shedding	0	0	0	0
MSEDCL DEMAND	23431	23129	21312	21220
TPCL GENERATION	764	777	767	732
AEML GENERATION	498	500	473	438
MUMBAI DEMAND	3586	3568	3178	2980
OTHER DISCOM DEMAND	486	474	465	432
STATE DEMAND MET	27503	27171	24955	24632
STATE DEMAND	27503	27171	24955	24632
Frequency (Hz)	49.97	49.95	50.01	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.31 Hz at 07:59 Hrs	49.68 Hz at 21:42 Hrs	50	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 25/Apr/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.51	94.97	210	165
Unit 8	13.65	302.89	602	535
Unit 9	0.00	154.40	0	0
Unit 10	11.80	327.43	500	483
Total	29.96	879.68		
Bhusawal				
Unit 3	3.83	84.15	170	130
Unit 4	10.56	232.24	495	420
Unit 5	11.32	266.34	490	460
Total	25.71	582.73		
Parli				
Unit 6	5.62	130.17	250	158
Unit 7	4.36	121.29	248	0
Unit 8	5.09	93.73	247	149
Total	15.07	345.19		
Chandrapur				
Unit 3	3.90	95.71	170	150
Unit 4	3.82	71.91	165	144
Unit 5	9.67	231.40	415	380
Unit 6	9.54	199.36	410	370
Unit 7	10.41	208.68	447	385
Unit 8	11.34	280.64	496	399
Unit 9	0.00	211.09	0	0
Total	48.68	1298.80		
Paras				
Unit 3	4.74	116.90	222	136
Unit 4	5.30	118.73	240	188
Total	10.04	235.62		
Khaparkheda				
Unit 1	2.79	68.52	135	105
Unit 2	3.03	63.10	140	117
Unit 3	4.32	99.85	185	170
Unit 4	4.34	106.40	191	142
Unit 5	10.79	246.78	470	433
Total	25.27	584.65		
Nasik				
Unit 3	0.00	67.03	0	0
Unit 4	4.17	69.80	184	156
Unit 5	4.02	58.78	180	152
Total	8.19	195.61		
Uran				
All Units	1.69	71.48	174	0
Total	1.69	71.48		
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)	0.00	1.77	0	0
Total	0.00	1.77		
Koyna				
Stage 1-2	4.02	119.08	465	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	3.29	197.65	791	0
Stage 3	1.78	68.33	240	0
Total	9.09	385.05		
Hydro				
KDPH	0.77	20.50	32	32
VTRNA	1.20	29.59	60	0
TILLARI	0.46	3.43	58	0
BHIRA T.R.	0.24	7.68	77	0
SMLHY_PTN	2.00	46.95	100	78
GHATGHAR	0.00	0.00	0	0
Total	4.68	108.15		
Wind				
Total	14.91	314.34	0	0
Total	14.91	314.34		
CPP				
APML(Mus)	69.47	1785.57	0	0
JSWEL(Mus)	26.11	632.62	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	31.30	747.77	0	0
SWPGPL-Mus	12.31	290.83	0	0
Dhariwal	5.88	151.35	270	219
IEPL	4.93	132.66	227	178
Other(Mus)	6.86	231.97	0	0
Total	156.87	3972.77		
SOLAR				
Total	15.05	381.07	0	0
Total	15.05	381.07		
Tata				
Trombay 5	7.06	193.35	393	263
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.55	48.91	107	106
Trombay 7B	1.54	32.49	64	63
TATA Hydro	3.34	131.92	416	24
Trombay 8	3.71	103.99	241	131
Total	18.19	510.67		
AEML				
DTPS U-1&2	10.83	234.50	500	349
Total	10.83	234.50		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	162.92	4122.28	MSPGCL Total	178.38	4688.73
			MSPGCL Thml+Gas	164.60	4193.76	Koyna 1,2 & 4 Total	7.31	316.72
			MSPGCL Hydro	13.77	494.97	State Total	394.23	10102.09

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 25/Apr/2023

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	6871	1397	0	8268	538	6853	0	0	8322	8908	-1742	22436	0	0	22436	2910	389	25735	50.01
2	6866	618	0	7484	494	6847	0	0	8996	9062	-1571	21945	0	0	21945	2697	371	25013	49.99
3	6875	547	0	7422	481	6830	0	0	8582	8886	-1459	21819	0	0	21819	2517	342	24677	49.97
4	6866	495	0	7361	603	6813	0	0	8730	8962	-1350	22041	0	0	22041	2404	348	24793	49.98
5	6872	545	0	7417	515	6826	0	0	9008	8995	-1312	22088	0	0	22088	2348	353	24789	49.95
6	6889	454	0	7343	574	6827	0	0	9527	9444	-1362	22435	0	0	22435	2383	391	25209	49.94
7	6927	409	0	7336	601	6686	0	122	9549	9495	-1428	22378	0	0	22378	2433	434	25245	50.00
8	6948	377	0	7325	475	6718	0	557	8562	8742	-1589	21762	0	0	21762	2584	466	24812	50.07
9	6873	281	0	7154	375	6694	0	1194	8636	8927	-1861	22008	0	0	22008	2903	475	25386	50.03
10	6918	251	15	7184	316	6580	0	1684	9403	9549	-2024	22805	0	0	22805	3243	484	26532	50.03
11	6926	404	33	7363	235	6181	0	2092	10298	10146	-2258	23266	0	0	23266	3485	493	27244	49.97
12	6845	395	68	7308	253	6217	0	2065	10358	10398	-2324	23431	0	0	23431	3586	486	27503	49.97
13	6832	150	57	7039	279	6297	0	2000	10121	10279	-2291	23129	0	0	23129	3568	474	27171	49.95
14	6751	157	98	7006	367	6203	0	1693	10170	10006	-2134	22690	0	0	22690	3465	451	26606	50.01
15	6670	592	136	7398	511	6011	0	1462	10543	9807	-2112	22597	0	0	22597	3561	480	26638	49.98
16	6392	982	133	7507	602	5385	0	1097	10644	10089	-1880	22321	0	62	22321	3586	479	26386	50.01
17	6648	485	136	7269	680	5678	0	759	9958	9925	-1897	21926	0	0	21926	3515	488	25929	50.07
18	6722	288	139	7149	713	6340	0	292	9287	8886	-2097	20793	0	0	20793	3375	490	24658	50.10
19	6892	328	139	7359	849	6536	0	37	8358	8310	-2009	20611	0	0	20611	3213	471	24295	50.04
20	6751	1112	139	8002	1039	6814	0	0	8115	7860	-1938	21312	0	0	21312	3178	465	24955	50.01
21	6664	721	139	7524	1153	6901	0	0	7976	7680	-1879	20935	0	0	20935	3077	444	24456	49.99
22	6580	438	139	7157	1211	6804	0	0	7744	7893	-1814	20813	0	0	20813	2993	438	24244	49.87
23	6649	1090	174	7913	1081	6904	0	0	7624	7564	-1810	21220	0	0	21220	2980	432	24632	50.00
24	6691	1255	141	8087	964	6923	0	0	8053	8020	-1828	21762	0	0	21762	2988	404	25154	50.03
MUs	162.92	13.77	1.69	178.38	14.91	156.87	0.00	15.05	218.56	217.83	-43.97	528.52	0.00	0.06	528.52	72.99	10.55	612.06	50.00

NOTE : ALL VALUES IN MW

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

ELR done at 220kV GCR S/S due to increase load on 220kV BBLR-I&II lines.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 25/Apr/2023

Position as on 6.30 Hrs of 26/Apr/2023

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Uran Unit B0	120	24/04/2023	16:00	25/04/2023	13:27	for DCS work of GT-7 and GT-8 to bring back complete B0 block in combine cycle	
MSPGCL	Uran Unit 8	108	24/04/2023	16:00	25/04/2023	09:11	for DCS work of GT-7 and GT-8 to bring back complete B0 block in combine cycle	
FORCED OUTAGE								
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule (NO PPA)	
PGPL	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)	
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.	01/04/2024
MSPGCL	Uran Unit 7	108	25/05/2020	12.51	26/04/2023	08:44	Turbine Blade Failure	25/04/2023
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.	01/05/2024
MSPGCL	Ghatghar Unit-1	125	20/04/2022	00:35		Continued.	Stator Earth Fault	31/07/2023
MSPGCL	Uran Unit A0	120	07/09/2022	16:30		Continued.	TURBINE TRIPPED ON HIGH VIBRATIONS	30/05/2023
MSPGCL	Uran Unit 5	108	12/11/2022	13:23		Continued.	Material replacement work.	01/03/2024
MSPGCL	Ghatghar Unit-2	125	08/02/2023	07:02		Continued.	Stator Earth Fault	01/06/2023
MSPGCL	Nasik Unit 3	210	17/04/2023	21:27		Continued.	Boiler Tube Leakage	26/04/2023
MSPGCL	Uran Unit 6	108	20/04/2023	19:15		Continued.	No Schedule.	
MSPGCL	Koradi Unit 9	660	22/04/2023	20:27		Continued.	Boiler Tube Leakage	28/04/2023
MSPGCL	Chandrapur Unit 9	500	24/04/2023	10:09		Continued.	Boiler Tube Leakage	27/04/2023
MSPGCL	Parli Unit 7	250	25/04/2023	19:28	25/04/2023	23:20	Furnace Pressure High	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 25/Apr/2023

Statement-VII

Position as on 6.30 Hrs of 26/Apr/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV LINE Outages/Trippings							
CHANDRAPUR - PADGHE HVDC POLE 1	IntraState	25/04/2023	14:19	25/04/2023	16:41	T	Tripped on distance protection
400 KV TIEBAY Outages/Trippings							
TIE BAY - 411 OF KARAD LINE AND 400/220KV 315MVA ICT - 1 @ SOLAPUR (PG)	InterState	15/04/2023	09:39			PO	411-Bay Y.Ph CT Replacement due to oil seepage from porcelain and cementing joint
TIE BAY (415) OF YELWAN CKT - 1 @ AKOLA	IntraState	26/04/2023	08:28			PO	For balance testing work and charging of 125 MVar bus shunt reactor.
400 KV MAINBAY Outages/Trippings							
MAIN BAY 416 OF 400KV 125MVAR BUS REACTOR	InterState	26/04/2023	08:28			PO	For balance testing work and charging of 125 MVar bus shunt reactor.
MAIN BAY (408) OF WARDHA(PG) CKT - 1 @ AKOLA	IntraState	25/04/2023	18:04	25/04/2023	20:02	T	Zone1 ,yph trip, distance 21.4km,il2 10.53ka.
400 KV LINE Outages/Trippings							
TALANDGE - KOLHAPUR (PG) CKT - 2	InterState	20/03/2023	07:49			PO	For reconductoring of Moose conductor with HTLS conductor for sytem improvement. AR to be kept in non Auto mode for 400KV-KOLHAPUR-MS-KOLHAPUR GIS -1
LONIKAND I - TALEGAON (PGCIL)	InterState	25/04/2023	18:26	25/04/2023	20:05	EO	For shifting 400kv Lonikand-PGCIL Talegaon Line on 400kv TBC due to 29 A Isolator R Phase Hotspot (121 degree) attending work
AURANGABAD(MS) - PUNE (GIS) CKT - 1	IntraState	03/04/2023	11:30			HT	H/T TO CONTROL LINE LOADING OF PUNE PG
CHANDRAPUR GCR - CHANDRAPUR 2 CKT 1	IntraState	24/04/2023	21:47	25/04/2023	04:54	EO	On dt.02.02.2023, while shifting this feeder on 400KV TBC-1 CB. Rph PG-3 (Aux Bus) Isolator was giving closing trouble. Hence, replacement of damaged Scissor assembly of PG-3 (Rph, Aux Bus) Isolator needs to be done on top priority , images are attached herewith.
LONIKAND - JEJURI CKT - 2	IntraState	25/04/2023	06:29	25/04/2023	14:20	HT	For load management
MAIN BUS - 2 @ KORADI 2	IntraState	25/04/2023	11:14	25/04/2023	18:40	PO	Bus isolator terminal connector replacement and isolator alignment work of 125MVar Reactor Bay at 400kv Koradi II SS.
JEJURI - KARAD	IntraState	25/04/2023	14:17	25/04/2023	14:59	T	Tripped on distance protection
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	25/04/2023	14:32	25/04/2023	21:29	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.
400/220/33 KV 315 MVA ICT - 1 @ WALUJ	IntraState	24/04/2023	10:24			PO	1. ICT-I IV Bay Circuit Breaker pole overhauling work. 2. ICT-I IV will be charged through TBC Bay.
400/220KV 500MVA ICT 3 @ AKOLA	IntraState	25/04/2023	10:41			PO	For termination of power cable
STATION TRANSFORMER - 2 @ NANDGAON PETH	IntraState	25/04/2023	13:16			PO	ST-2 TRANSFORMER OIL LEAKAGE ARRESTING , MAINTENANCE AND DIAGNOSTIC TESTING WORK.
220 KV LINE Outages/Trippings							

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 25/Apr/2023

Statement-VII

Position as on 6.30 Hrs of 26/Apr/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
PANCHALI TSS - BOISAR (PG)	InterState	25/04/2023	01:26	25/04/2023	06:19	EO	Attending hot spot work at loc. No.13 (R-Ph Panchali Side Temp-129 °C & Y-Ph Panchali Side Temp-87 °C), Loc No.DP (B-Ph PGCIL side Temp-74 °C),(R-Ph Panchali Side Temp-128 °C).
EKLAHARE (OCR) - NAVASARI CKT - 1	IntraState	10/02/2023	09:45			PO	Breaker overhauling work. (RFC AT 21:23 HRS DT.10/02/2023 AND KEPT OPENED FOR LOAD MANAGEMENT)
EKLAHARE (OCR) - PADGHE	IntraState	05/03/2023	08:55			HT	For load management
BOISAR II - BOISAR (PG) CKT - 2	IntraState	25/04/2023	01:24	25/04/2023	05:51	EO	Outage is required for safety purpose for Attending hot spot work on 220KV PGCIL & Panchali Line at loc. No.13 (R-Ph Panchali Side Temp-129 °C & Y-Ph Panchali Side Temp-87 °C), Loc No.DP (B-Ph PGCIL side Temp-74 deg.C),(R-Ph Panchali Side Temp-128 degC)
220 KV KAULEWADA-KORADI 2 CKT - I	IntraState	25/04/2023	07:00	25/04/2023	08:45	T	For tightening the loose nut bolt of tension string and jumpers.
VANKUSWADE - AJINKYATARA	IntraState	25/04/2023	10:50	25/04/2023	20:00	PO	For replacement of 245 kV CTs
NEW KOYNA - PEDAMBE	IntraState	25/04/2023	10:57			PO	TBC Shifting of Bay for detecting & attending SF-6 gas leakage from Pole.
KOLSHET - KHARBAO	IntraState	25/04/2023	14:23	25/04/2023	15:11	EO	As per the request of Consumer end (TSS Railways) for refilling of gas in the chamber of Disconnector-II (B-Phase) due to low gas pressure at 220KV Kharbao TSS.
CHIKHALI-JALNA I	IntraState	25/04/2023	15:08	25/04/2023	16:46	T	Removing plastic polythene at loc 61.
THEUR- MAGAR PATTA CITY	IntraState	25/04/2023	17:09	25/04/2023	18:58	EO	Tracing of faulty TBC tripping supervision ckt
ALKUD - VITA	IntraState	25/04/2023	18:05	25/04/2023	19:48	EO	Damaged conductor replacement work at Loc No.32-33 Y Ph.(SSN)
220 KV NANDED(400 KV) - WAGHALA CKT- I	IntraState	25/04/2023	20:37	25/04/2023	20:45	T	Removing hanging rope found on r phase Ia at waghala.
PEDHAMBE ONI LINE	IntraState	26/04/2023	09:25			PO	For Cold washing of insulator string
220 KV ICT Outages/Trippings							
220 / 110 / 22kV 250 MVA ICT 1 @ SALSETTE	IntraState	12/10/2020	11:35			T	Tripped due to Grid disturbance.
220 / 110 / 22kV 250 MVA ICT 2 @ SALSETTE	IntraState	10/11/2022	10:35			EO	For attending to abnormal Nosie from ICT
220/132-110 KV 100MVA ICT No-02 @ OGLEWADI	IntraState	25/04/2023	08:25	25/04/2023	12:10	PO	Pre Monsoon maintenance work.
220/22 KV 25 MVA PTR 1 @ NAGOTHANE	IntraState	25/04/2023	09:10	26/04/2023	08:28	PO	22 KV BUS JUMPER TIGHTNING AND PRE MANSOON MAINTENANCE AND OTHER WORK.
220 KV BUSBAR Outages/Trippings							
MAIN BUS @ PAWAS	IntraState	25/04/2023	09:53	25/04/2023	18:49	PO	For chemical washing of insulator string of 220kV Main Bus, disconnection of Dead 220kV bus over the 220kV Main Bus & routine maintenance of bus isolator with 220kV PT at 220kV Pawas S/s.
132 KV LINE Outages/Trippings							
RISOD-YELDARI	IntraState	20/04/2023	17:57			HT	TO CONTROL LOADING ON RISOD - MALEGAON CKT
110 KV LINE Outages/Trippings							

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 25/Apr/2023

Statement-VII

Position as on 6.30 Hrs of 26/Apr/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
SALSETTE POWAI	IntraState	27/03/2023	11:04			PO	Replacement of tower number 77 & 78 for TDS project work.
KHOPOLI - BHIVPURI CKT - 2	IntraState	26/04/2023	05:50			PO	For Attending to transfer bus side GOD closing problem and Routine maintenance of line GOD

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