

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 23/Jul/2023 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	118.878	3011.867	1) Gujrat	4.836	41.737
2) Hydro	6.867	158.180	2) Madhya Pradesh	-1.465	97.346
3) Gas	0.000	1.185	3) Chattisgarh	1.650	50.720
Total MSPGCL	125.745	3171.232	4) Maharashtra	145.584	3716.316
B) 1) APLM	40.884	1297.724	5) Goa (Amona)	-0.903	-24.015
2) JSWEL	19.936	453.767	Total	149.702	3882.104
3) VIPL	0.000	0.000	a) Mumbai Schedule	26.172	796.512
4) RPL(AMT)	23.850	538.770	b) Mumbai Drawl	29.247	873.474
5) SWPGPL	6.516	199.043	c) MSEDCL Bilateral *	89.845	2098.231
6) Other IPP	6.206	147.439	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	26.172	795.662
C) 1) TPCL Thermal	9.951	187.728	Include PX	0.000	0.000
2) TPCL Hydro	3.359	106.623	Standby	0.000	0.851
3) TPCL Gas	2.929	76.563	H) ENERGY CATERED (MUs)		
4) AEML Thermal	8.046	203.513	1) MSEDCL	397.526	9855.195
D) STATE			2) Mumbai Discoms	53.532	1447.903
1) Thermal	234.267	6039.851	3) Other Discoms	9.292	225.258
(A1+C1+C4+(B1-B6))			TOTAL STATE	460.350	11528.356
2) Hydro (A2+C2)	10.226	264.803			
3) Gas (A3+B7+C3)	2.929	77.748			
4) Wind	52.513	1042.763			
6) SOLAR	10.713	221.085			
TOTAL STATE	310.648	7646.250			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 10 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 2 Hrs
MSPGCL Thermal	4883	4400	5352	5144
MSPGCL Hydro	246	330	671	254
MSPGCL Gas	0	0	0	0
MSPGCL Total Generation	5129	4730	6023	5398
Central Sector Receipt	7532	6891	6507	5460
WIND	2196	2415	2103	1650
CPP / IPP Thermal	3810	3660	4778	4156
CPP / IPP Gas	0	0	0	0
SOLAR	1088	1301	0	0
Exchange with Mumbai	-1406	-1595	-1185	-973
MSEDCL DEMAND MET	17938	17061	17786	15338
Load Shedding	0	0	0	0
MSEDCL DEMAND	17938	17061	17786	15338
TPCL GENERATION	631	627	882	719
AEML GENERATION	318	313	354	331
MUMBAI DEMAND	2355	2535	2421	2023
OTHER DISCOM DEMAND	411	341	440	353
STATE DEMAND MET	20704	19937	20647	17714
STATE DEMAND	20704	19937	20647	17714
Frequency (Hz)	49.98	49.98	50.03	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.25 Hz at 16:32 Hrs	49.77 Hz at 18:12 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 23/Jul/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.50	82.20	160	120
Unit 8	11.54	227.61	583	378
Unit 9	10.73	272.87	521	374
Unit 10	0.00	111.14	0	0
Total	25.77	693.82		
Bhusawal				
Unit 3	3.02	66.75	135	115
Unit 4	9.33	219.92	452	295
Unit 5	8.75	226.30	450	290
Total	21.10	512.97		
Parli				
Unit 6	0.00	40.92	0	0
Unit 7	3.75	41.14	212	144
Unit 8	3.34	25.62	148	129
Total	7.10	107.68		
Chandrapur				
Unit 3	0.00	55.24	0	0
Unit 4	2.21	54.17	126	37
Unit 5	0.00	0.00	0	0
Unit 6	6.66	169.16	300	245
Unit 7	7.21	175.16	330	277
Unit 8	9.03	223.09	429	276
Unit 9	9.61	234.31	458	320
Total	34.73	911.14		
Paras				
Unit 3	0.00	85.09	0	0
Unit 4	4.07	98.99	183	145
Total	4.07	184.09		
Khaparkheda				
Unit 1	0.00	0.00	0	0
Unit 2	2.84	60.98	127	113
Unit 3	3.75	88.47	181	130
Unit 4	3.90	84.02	191	128
Unit 5	9.16	210.13	450	280
Total	19.65	443.59		
Nasik				
Unit 3	3.42	70.16	166	125
Unit 4	0.00	64.84	0	0
Unit 5	3.05	23.58	150	93
Total	6.47	158.58		
Uran				
All Units	0.00	1.18	0	0
Total	0.00	1.18		
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)	0.22	2.04	24	0
Total	0.22	2.04		
Koyna				
Stage 1-2	1.42	43.54	295	35

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.12	7.25	82	0
Stage 3	1.31	23.55	160	0
Total	2.84	74.35		
Hydro				
KDPH	0.00	0.14	0	0
VTRNA	0.00	0.64	0	0
TILLARI	0.00	1.16	0	0
BHIRA T.R.	0.42	10.02	80	0
SMLHY_PTN	3.38	64.12	145	132
GHATGHAR	0.00	5.71	0	0
Total	3.80	81.79		
Wind				
Total	52.51	1042.76	0	0
Total	52.51	1042.76		
CPP				
APML(Mus)	40.88	1297.72	0	0
JSWEL(Mus)	19.94	453.77	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	23.85	538.77	0	0
SWPGPL-Mus	6.52	199.04	0	0
Dhariwal	0.00	0.00	0	0
IEPL	4.98	118.05	268	175
Other(Mus)	1.23	29.39	0	0
Total	97.39	2636.74		
SOLAR				
Total	10.71	221.08	0	0
Total	10.71	221.08		
Tata				
Trombay 5	6.57	101.47	312	245
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.74	46.39	109	39
Trombay 7B	1.19	30.17	65	36
TATA Hydro	3.36	106.62	301	74
Trombay 8	3.38	86.26	174	128
Total	16.24	370.91		
AEML				
DTPS U-1&2	8.05	203.51	419	286
Total	8.05	203.51		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	118.88	3011.87	MSPGCL Total	125.74	3171.23
			MSPGCL Thml+Gas	118.88	3013.05	Koyna 1,2 & 4 Total	1.53	50.80
			MSPGCL Hydro	6.87	158.18	State Total	310.65	7646.25

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 23/Jul/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	5155	266	0	5421	1679	4359	0	0	5378	5466	-1078	15475	0	0	15475	2159	372	18006	50.01
2	5144	254	0	5398	1650	4156	0	0	5785	5460	-973	15338	0	0	15338	2023	353	17714	50.02
3	5126	179	0	5305	1747	4016	0	0	5768	5735	-908	15568	0	0	15568	1927	327	17822	50.01
4	5199	184	0	5383	1831	4119	0	0	5768	5423	-859	15568	0	0	15568	1862	329	17759	50.00
5	5000	183	0	5183	1813	4141	0	0	6289	6045	-880	15959	0	0	15959	1848	343	18150	50.01
6	5172	335	0	5507	1753	3993	0	0	6744	6800	-940	16734	0	0	16734	1926	379	19039	50.02
7	5295	216	0	5511	2012	4773	0	75	6975	6709	-907	17771	0	0	17771	1964	402	20137	50.03
8	5144	255	0	5399	2174	4425	0	365	7461	6923	-1103	17756	0	0	17756	2051	427	20234	50.04
9	5313	259	0	5572	2102	3969	0	716	7426	7214	-1280	17868	0	0	17868	2200	425	20493	50.01
10	4883	246	0	5129	2196	3810	0	1088	7676	7532	-1406	17938	0	0	17938	2355	411	20704	49.98
11	4770	202	0	4972	2381	3770	0	1288	7404	7212	-1570	17676	0	0	17676	2499	377	20552	49.99
12	4356	250	0	4606	2457	3433	0	1234	7509	7331	-1569	17145	0	0	17145	2544	347	20036	49.95
13	4400	330	0	4730	2415	3660	0	1301	6837	6891	-1595	17061	0	0	17061	2535	341	19937	49.98
14	4397	263	0	4660	2715	3712	0	1452	6105	5686	-1566	16315	0	0	16315	2460	344	19119	49.98
15	4281	288	0	4569	2758	3360	0	1201	6236	6012	-1509	16024	0	0	16024	2361	367	18752	49.94
16	4228	299	0	4527	2597	3293	0	952	6530	6164	-1436	15702	0	0	15702	2287	395	18384	50.03
17	4338	288	0	4626	2405	3521	0	662	6456	6585	-1383	15995	0	0	15995	2237	421	18653	50.11
18	5086	280	0	5366	2445	3933	0	311	5833	5702	-1277	16053	0	0	16053	2233	427	18713	49.98
19	5285	378	0	5663	2184	4052	0	68	6321	6308	-1232	16625	0	0	16625	2299	418	19342	49.94
20	5352	671	0	6023	2103	4778	0	0	6508	6507	-1185	17786	0	0	17786	2421	440	20647	50.03
21	5352	407	0	5759	2117	5167	0	0	6298	5939	-1118	17431	0	0	17431	2450	433	20314	50.02
22	5279	328	0	5607	2389	4783	0	0	6018	5402	-1162	16602	0	0	16602	2390	417	19409	49.99
23	5191	276	0	5467	2177	4220	0	0	5683	5462	-1168	15759	0	0	15759	2298	399	18456	50.01
24	5132	230	0	5362	2413	3949	0	0	5751	5194	-1143	15378	0	0	15378	2203	397	17978	50.03
MUs	118.88	6.87	0.00	125.75	52.51	97.39	0.00	10.71	154.76	149.70	-29.25	397.53	0.00	0.00	397.53	53.53	9.29	460.35	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.

*Load Shedding due to Transmission Constraint :-

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 23/Jul/2023

Position as on 6.30 Hrs of 24/Jul/2023

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
IPP	RPL(AMT) U-3	270	13/06/2023	00:01		Continued.	Annual Overhaul	04/08/2023
MSPGCL	Khaparkheda Unit 1	210	30/06/2023	00:18		Continued.	Annual Overhaul	24/07/2023
IPP	JSW (J) U3	300	07/07/2023	09:06		Continued.	Annual Overhaul	08/08/2023
MSPGCL	Koyna Unit 11	80	10/07/2023	09:40		Continued.	COH	07/12/2023
MSPGCL	Koradi Unit-10	660	11/07/2023	00:45		Continued.	Capital Overhaul.	16/08/2023
MSPGCL	Koyna Unit 8	80	11/07/2023	08:05		Continued.	COH	23/09/2023
IPP	Adani U-1	660	16/07/2023	00:00		Continued.	Annual Overhaul	07/08/2023
FORCED OUTAGE								
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule.(NO PPA)	
PGPL	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)	
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
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	25/07/2023
MSPGCL	Uran Unit 5	108	12/11/2022	13:23		Continued.	Major overhauled.	05/10/2023
MSPGCL	Chandrapur Unit 5	500	22/05/2023	19:00		Continued.	Stator Earth Fault	27/07/2023
MSPGCL	Koyna STG-IV Unit-1	250	05/06/2023	16:30		Continued.	The KGSC Stg-4 Unit No-1(250MW) not available due to foreign material impact at Guide vane no 4	18/09/2023
MSPGCL	Uran Unit 8	108	24/06/2023	10:05		Continued.	Compressor Surge Protection	25/07/2023
MSPGCL	Uran Unit B0	120	24/06/2023	19:01		Continued.	On RR end bearing high vibrations	25/07/2023
MSPGCL	Nasik Unit 4	210	19/07/2023	10:50		Continued.	ID Fan Problem	21/07/2023
MSPGCL	Uran Unit 6	108	19/07/2023	21:11		Continued.	No schedule	
IPP	SWPGPL U-3	135	21/07/2023	01:54		Continued.	Non-availability of linkage coal stock and due to continuous rains.	
MSPGCL	Parli Unit 6	250	21/07/2023	23:44		Continued.	BTL,(Converted into Zero schedule wef 23:00hrs dated 23.07.23)	
MSPGCL	Paras Unit 3	250	22/07/2023	12:15		Continued.	Due to boiler drum LHS main hole door gasket leakage	27/07/2023

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 23/Jul/2023

Statement-VII

Position as on 6.30 Hrs of 24/Jul/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV LR Outages/Trippings							
710 LR (TIRODA CKT - 1) REACTOR @ KORADI 3	IntraState	23/07/2023	20:17	23/07/2023	23:53	T	On REF Protection. Protection cable IR found low; cable replaced.
765 KV LINE Outages/Trippings							
TIRORA - KORADI 3 CKT - 1	IntraState	23/07/2023	10:49	23/07/2023	20:17	PO	INSTALLATION OF BIRD FLIGHT DIVERTOR- IN REFERENCE TO THE HONBLE HIGH COURT, NAGPUR ORDER DATED 05TH JANUARY 2022
TIRORA - KORADI 3 CKT - 1	IntraState	23/07/2023	10:49	23/07/2023	20:17	PO	Installation of Bird Flight Divertor- In reference to the Hon'ble High Court, Nagpur Order dated 05th January 2022
TIRORA - KORADI 3 CKT - 1	IntraState	23/07/2023	21:52	24/07/2023	00:00	T	Tripped without indication at koradi-3 end only.
TIRODA - KORADI 3 CKT - 2	IntraState	23/07/2023	21:52	24/07/2023	01:19	HT	Found one monkey is trapped in live conductor of 765KV tiroda-koradi-iii-2 And struggling to escape from the conductor.
TIRORA - KORADI 3 CKT - 1	IntraState	24/07/2023	10:27			PO	Installation of Bird Flight Divertor- In reference to the Hon'ble High Court, Nagpur Order dated 05th January 2022
765 KV ICT Outages/Trippings							
765KV/21KV GT - 1 @ TIRORA	IntraState	16/07/2023	10:20			PO	Annual Maintenance, Testing and Painting of Transformer. Annual maintenance of main bay and tie bay equipments.
400 KV TIEBAY Outages/Trippings							
TIE BAY - 411 OF WARDHA PGCIL @ KORADI 2	IntraState	23/06/2023	01:22			PO	Diagnostic testing of Circuit Breaker & Current transformer Routine nut bolt tightening
400 KV MAINBAY Outages/Trippings							
GTR - 5 @ CHANDRAPUR	IntraState	06/07/2023	08:38			PO	1. Maintenance and alignment work of Bus-1, Bus-2 Aus. Bus And HCB Isolator. 2. Maintenance of CB, CT and Synch CVT.
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
KHADKA-AURANGABAD (WALUJ)	IntraState	22/07/2023	23:52	24/07/2023	09:21	HT	For voltage management
PADGHE - KALWA CKT - 1	IntraState	23/07/2023	05:25	23/07/2023	07:59	EO	29C bus isolator R-ph & B-ph (CT side) clamp hot spot R-ph (119) & B-ph (61.9) deg
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 167 MVA SPARE ICT @ KHAPARKHEDA	IntraState	14/07/2023	12:08			PO	Ongoing work of Rapid Restoration Scheme (RRS) For spare ICT

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 23/Jul/2023

Statement-VII

Position as on 6.30 Hrs of 24/Jul/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400/220/33 KV 315 MVA ICT - 2 @ PADGHE	IntraState	17/07/2023	13:04			PO	1.Replacement of HV CB under LES Scheme. 2.ICT will be in service through TBC.
400/11.5KV STATION TRANSFORMER - 1 @ TIRORA	IntraState	22/07/2023	09:43			HT	Planned outage in RC1 row No. 14
220 KV LINE Outages/Trippings							
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)
TROMBAY - KALWA	IntraState	22/07/2023	14:37			PO	Outage is required for safety purpose by M/s KVTL during stringing of 400KV Khargar-Vikhroli line between loc no. AP 59- AP 60 & 61-62 by M/s KVTL.
EKLAHARE (OCR) - PADGHE	IntraState	22/07/2023	21:09			HT	As per usual practice line is H/T
GHODBUNDER - GORAI	IntraState	23/07/2023	00:18	23/07/2023	05:25	PO	For Safety Purpose while erection of U girder at P150 - P151LHS under metro 09 work
VERSOVA - GHODBUNDER	IntraState	23/07/2023	00:31	23/07/2023	05:28	PO	For Safety Purpose while erection of U girder at P150 - P151LHS under metro 09 work
TALANDGE - MUDSHINGI CKT - 2	IntraState	24/07/2023	1002			PO	for quarterly maintenance work at Mudshingi substation
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 KV BUSBAR Outages/Trippings							
AUXILIARY BUS @ PHALTAN MIDC-220 KV	IntraState	16/07/2023	10:02			PO	For Gantry replacement from AH type to AF type
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							
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