

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 11/Jul/2023 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	128.500	1523.353	1) Gujrat	3.524	-5.145
2) Hydro	8.910	70.684	2) Madhya Pradesh	7.859	56.555
3) Gas	0.000	0.000	3) Chattisgarh	2.580	26.780
Total MSPGCL	137.410	1594.037	4) Maharashtra	172.052	1781.918
B) 1) APML	67.800	666.646	5) Goa (Amona)	-1.011	-11.658
2) JSWEL	20.321	211.901	Total	185.004	1848.450
3) VIPL	0.000	0.000	a) Mumbai Schedule	37.076	404.894
4) RPL(AMT)	19.200	263.124	b) Mumbai Drawl	40.401	442.556
5) SWPGPL	8.897	96.144	c) MSEDCL Bilateral *	75.884	972.387
6) Other IPP	6.680	70.916	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	37.074	404.074
C) 1) TPCL Thermal	11.308	55.411	Include PX	0.000	0.000
2) TPCL Hydro	4.323	56.288	Standby	0.003	0.820
3) TPCL Gas	2.978	42.080	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.370	97.618	1) MSEDCL	445.125	4786.710
D) STATE			2) Mumbai Discoms	68.380	693.955
1) Thermal	272.076	2985.113	3) Other Discoms	9.651	108.038
(A1+C1+C4+(B1-B6))			TOTAL STATE	523.156	5588.703
2) Hydro	13.233	126.972			
3) Gas	2.978	42.080			
4) Wind	43.269	465.554			
6) SOLAR	6.596	120.532			
TOTAL STATE	338.152	3740.251			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 11 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	5280	5299	5581	5289
MSPGCL Hydro	410	209	1161	164
MSPGCL Gas	0	0	0	0
MSPGCL Total Generation	5690	5508	6742	5453
Central Sector Receipt	8908	8926	6929	6516
WIND	1980	1988	1437	2033
CPP / IPP Thermal	5491	4702	5533	4705
CPP / IPP Gas	0	0	0	0
SOLAR	889	896	0	0
Exchange with Mumbai	-2289	-2386	-1329	-1174
MSEDCL DEMAND MET	20217	19194	18881	17250
Load Shedding	0	0	0	0
MSEDCL DEMAND	20217	19194	18881	17250
TPCL GENERATION	673	623	1236	621
AEML GENERATION	417	335	501	308
MUMBAI DEMAND	3379	3344	3066	2103
OTHER DISCOM DEMAND	452	440	431	283
STATE DEMAND MET	24048	22978	22378	19636
STATE DEMAND	24048	22978	22378	19636
Frequency (Hz)	50.06	50.03	49.98	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.19 Hz at 13.01 Hrs	49.73 Hz at 06.10 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 11/Jul/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.60	41.78	170	110
Unit 8	11.17	133.22	570	400
Unit 9	10.86	129.91	560	366
Unit 10	0.13	111.14	130	0
Total	25.76	416.04		
Bhusawal				
Unit 3	3.16	30.52	145	125
Unit 4	10.40	107.13	460	350
Unit 5	10.42	111.30	460	320
Total	23.98	248.94		
Parli				
Unit 6	0.00	11.32	0	0
Unit 7	0.00	0.00	0	0
Unit 8	0.00	0.00	0	0
Total	0.00	11.32		
Chandrapur				
Unit 3	3.21	36.90	151	114
Unit 4	3.00	35.91	141	110
Unit 5	0.00	0.00	0	0
Unit 6	7.43	87.78	331	270
Unit 7	7.32	87.84	351	267
Unit 8	9.65	108.33	457	346
Unit 9	10.30	112.13	498	352
Total	40.91	468.90		
Paras				
Unit 3	5.00	36.22	219	160
Unit 4	4.75	51.75	218	152
Total	9.75	87.97		
Khaparkheda				
Unit 1	0.00	0.00	0	0
Unit 2	2.76	28.16	129	78
Unit 3	3.76	42.58	170	139
Unit 4	3.98	35.20	192	133
Unit 5	9.61	109.54	430	350
Total	20.11	215.47		
Nasik				
Unit 3	4.00	25.39	181	128
Unit 4	3.99	36.99	181	127
Unit 5	0.00	12.33	0	0
Total	7.99	74.71		
Uran				
All Units	0.00	0.00	0	0
Total	0.00	0.00		
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	0.00	0	0
Total	0.00	0.00		
Koyna				
Stage 1-2	3.12	22.08	465	35

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.72	0.90	245	0
Stage 3	1.29	9.04	214	0
Total	5.13	32.01		
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.	0.46	4.92	80	0
SMLHY_PTN	2.93	29.02	128	108
GHATGHAR	0.39	2.80	125	0
Total	3.78	38.67		
Wind				
Total	43.27	465.55	0	0
Total	43.27	465.55		
CPP				
APML(Mus)	67.80	666.65	0	0
JSWEL(Mus)	20.32	211.90	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	19.20	263.12	0	0
SWPGPL-Mus	8.90	96.14	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.34	55.91	269	195
Other(Mus)	1.34	15.00	0	0
Total	122.90	1308.73		
SOLAR				
Total	6.60	120.53	0	0
Total	6.60	120.53		
Tata				
Trombay 5	7.65	13.99	450	269
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.77	26.03	108	39
Trombay 7B	1.21	16.05	65	36
TATA Hydro	4.32	56.29	413	25
Trombay 8	3.66	41.42	210	129
Total	18.61	153.78		
AEML				
DTPS U-1&2	9.37	97.62	502	289
Total	9.37	97.62		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	128.50	1523.35	MSPGCL Total	137.41	1594.04
			MSPGCL Thml+Gas	128.50	1523.35	Koyna 1,2 & 4 Total	3.84	22.97
			MSPGCL Hydro	8.91	70.68	State Total	338.15	3740.25

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 11/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	5291	148	0	5439	1755	5230	0	0	6115	6140	-1184	17047	0	0	17047	2543	333	19923	50.02
2	5217	150	0	5367	1874	4863	0	0	6267	6347	-1132	17014	0	0	17014	2339	305	19658	50.00
3	5242	154	0	5396	1760	4557	0	0	6333	6908	-1152	17179	0	0	17179	2194	290	19663	50.00
4	5289	164	0	5453	2033	4705	0	0	6343	6516	-1174	17250	0	0	17250	2103	283	19636	50.02
5	5261	167	0	5428	1817	5167	0	0	6413	6534	-1187	17453	0	0	17453	2090	306	19849	50.01
6	5218	168	0	5386	1874	5468	0	0	7437	7579	-1296	18652	0	0	18652	2189	359	21200	49.97
7	5170	594	0	5764	1788	5492	0	58	7922	8095	-1432	19375	0	0	19375	2329	390	22094	49.92
8	5252	949	0	6201	1753	5514	0	220	7941	7920	-1423	19772	0	0	19772	2691	413	22876	50.02
9	5248	612	0	5860	1987	5398	0	378	8296	8822	-1850	20141	0	0	20141	2944	454	23539	49.92
10	5278	672	0	5950	1903	5363	0	631	8557	8957	-2173	20178	0	0	20178	3149	453	23780	50.02
11	5280	410	0	5690	1980	5491	0	889	8867	8908	-2289	20217	0	0	20217	3379	452	24048	50.06
12	5212	371	0	5583	1941	4967	0	958	9178	9316	-2446	19876	0	0	19876	3401	443	23720	50.04
13	5299	209	0	5508	1988	4702	0	896	9024	8926	-2386	19194	0	0	19194	3344	440	22978	50.03
14	5121	205	0	5326	2167	4160	0	842	9109	8812	-2296	18579	0	0	18579	3241	432	22252	50.08
15	5300	207	0	5507	2239	4141	0	676	8936	9046	-2271	18917	0	0	18917	3265	421	22603	49.98
16	5474	273	0	5747	2168	4510	0	531	8707	8837	-2301	19046	0	0	19046	3262	446	22754	50.00
17	5536	163	0	5699	2275	4920	0	317	8517	8351	-2211	18894	0	0	18894	3186	457	22537	49.97
18	5574	233	0	5807	2070	5131	0	184	8082	7892	-2094	18552	0	0	18552	3155	438	22145	50.00
19	5599	419	0	6018	1744	5438	0	16	7652	7528	-1755	18544	0	0	18544	3097	445	22086	50.02
20	5581	1161	0	6742	1437	5533	0	0	7372	6929	-1329	18881	0	0	18881	3066	431	22378	49.98
21	5586	741	0	6327	1501	5587	0	0	7135	7125	-1318	18799	0	0	18799	2983	423	22205	49.98
22	5571	334	0	5905	1197	5518	0	0	6816	6612	-1251	17561	0	0	17561	2873	420	20854	50.01
23	5499	247	0	5746	1111	5516	0	0	6737	6650	-1227	17376	0	0	17376	2815	420	20611	50.02
24	5402	159	0	5561	907	5527	0	0	6679	6254	-1224	16626	0	0	16626	2742	399	19767	50.04
MUs	128.50	8.91	0.00	137.41	43.27	122.90	0.00	6.60	184.44	185.00	-40.40	445.12	0.00	0.00	445.12	68.38	9.65	523.16	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 11/Jul/2023

Position as on 6.30 Hrs of 12/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	Parli Unit 8	250	18/06/2023	23:55		Continued.	Annual Overhaul	15/07/2023
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	
MSPGCL	Koradi Unit-10	660	11/07/2023	00:45		Continued.	Capital Overhual.	
MSPGCL	Koyna Unit 8	80	11/07/2023	08:05		Continued.	COH	
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
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	23/07/2023
MSPGCL	Uran Unit 5	108	12/11/2022	13:23		Continued.	Material replacement work.	01/03/2024
MSPGCL	Chandrapur Unit 5	500	22/05/2023	19:00		Continued.	Stator Earth Fault	24/07/2023
MSPGCL	Uran Unit 6	108	01/06/2023	19:57		Continued.	No Schedule	
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	
MSPGCL	Uran Unit B0	120	24/06/2023	19:01		Continued.	On RR end bearing high vibrations	
MSPGCL	Uran Unit 7	108	24/06/2023	19:03		Continued.	No Schedule	
MSPGCL	Parli Unit 7	250	29/06/2023	14:31		Continued.	On Zero Schedule	
IPP	SWPGPL U-1	135	02/07/2023	02:54		Continued.	PA Fan problem	10/07/2023
MSPGCL	Nasik Unit 5	210	04/07/2023	18:00		Continued.	Generator Swapping : nashik Unit-3 sync 16:35 Hrs and tolling agreement with IEPL	
MSPGCL	Parli Unit 6	250	07/07/2023	21:45		Continued.	ZERO SCHEDULE	
IPP	RPL(AMT) U-5	270	10/07/2023	08:55		Continued.	Bottom Ash Problem.	13/07/2023

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 11/Jul/2023

Statement-VII

Position as on 6.30 Hrs of 12/Jul/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV MAINBAY Outages/Trippings							
MAIN BAY (709) OF KORADI 3 CKT-2 @ AKOLA 2	IntraState	11/07/2023	10:39	11/07/2023	14:17	PO	Testing of Current Transformer
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
AURANGABAD(MS) - PUNE (GIS) CKT - 1	IntraState	05/07/2023	08:12			HT	HT for Load Management
BUS COUPLER @ LONIKAND-1	IntraState	10/07/2023	10:16	11/07/2023	20:04	PO	29 A & 29 B Isolator Box Replacement work
DABHOL - NEW KOYNA CKT - 2	IntraState	11/07/2023	09:46	11/07/2023	19:29	PO	Rectification of line and bay isolator and earth switch operational issues.
JAIGAD - KARAD CKT - 1	IntraState	11/07/2023	12:48	11/07/2023	16:08	EO	For attending hot spot at Y ph 29D IPS clamp towards CB side.
NEW KOYNA-KARAD CKT - 1	IntraState	12/07/2023	01:11	12/07/2023	07:27	HT	H/T FOR O/V
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 500 MVA ICT - 3 @ KOLHAPUR	IntraState	10/07/2023	10:45			PO	Load Trials of Rapid restoration scheme
167 MVA SPARE ICT @ TALANDGE	IntraState	10/07/2023	11:17			PO	For load trails on Rapid Restoration Scheme with 501 MVA ICT 3.
220 KV LINE Outages/Trippings							
NARANGWADI - SOLAPUR PG CKT - 1	InterState	11/07/2023	10:01	11/07/2023	19:46	PO	Line terminal equipment AMP work
NARANGWADI - SOLAPUR PG CKT - 2	InterState	11/07/2023	10:01	11/07/2023	19:46	PO	Line terminal equipments AMP at 765kV Solapur Substation
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
URAN - KHARGHAR 1	IntraState	23/06/2023	17:36	11/07/2023	20:03	PO	LILO and commissioning of 220kV Ulwe GIS
JEJURI-LONAND	IntraState	04/07/2023	15:37	11/07/2023	18:39	PO	bunching work of 220 KV Jejuri Lonand line and 220 KV Lonand Baramati line in between tower loc. No. 19 & 20 and removal of jumpers towards Lonand side of both the lines at loc. No. 20 for work of Dismantling of existing tower of 28 no. location and erection of new tower near loc. No 28 by Project s/dn Pune

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Jul/2023

Statement-VII

Position as on 6.30 Hrs of 12/Jul/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
LONAND-BARAMATI	IntraState	04/07/2023	16:06	11/07/2023	18:42	PO	For bunching work of 220 KV Jejuri Lonand line and 220 KV Lonand Baramati line in between tower loc. No. 19 & 20 and removal of jumpers towards Lonand side of both the lines at loc. No. 20 for Dismantling of existing tower of 28 and erection of new tower near loc. No 28 by Project s/dn Pune
DAHANU - VERSOVA	IntraState	10/07/2023	10:24			PO	Shifting of Lines on Newly constructed Towers for NHRCL Project Total Towers (04 nos) - SS 220, 223, 224 & 225 1. Bunching of lines will be done on Tower no 82. 2. Post bunching existing configuration of line will be changed as 220 kV Dahanu - Boisar Line.
BOISAR - VERSOVA	IntraState	10/07/2023	10:27			PO	Shifting of Lines on Newly constructed Towers for NHRCL Project. Total Towers (04 nos) - SS 220, 223, 224 & 225 1. Bunching of lines will be done on Tower no 82. 2. Post bunching existing configuration of line will be changed as 220 kV Dahanu - Boisar Line.
EKLAHARA(GCR)(NASIK)-BABLESHWAR 2	IntraState	11/07/2023	00:58	11/07/2023	06:08	PO	For outage on 220 Kv Babhaleshwar NASIK Ckt 2 (DC LINE) for replacement of flashover string observed cut point and suspension loc 228 , 230 detected while doing the PID of 220 Kv BBLR NASIK 2 Ckt by PID team Nasik, outage on dated 11.07.2023 and 12.07.2023 from 01.00 hrs. to 06.00 hrs.
POPHLI PEDHMBE LINE- 2	IntraState	11/07/2023	01:40	11/07/2023	18:55	EO	Fire cached at Annunciation for signal for dist.protection
BORIVALI - BOISAR II LINE	IntraState	11/07/2023	04:25	11/07/2023	10:14	EO	Replacement of Old hardware at critical location No. 22 & 23.
GHODBUNDER - MSETCL BOISAR	IntraState	11/07/2023	04:29	11/07/2023	10:21	EO	Replacement of Old hardware at critical location No. 22 & 23.
220 KV PARLI -U-8 - PARBHANI CKT	IntraState	11/07/2023	07:28	11/07/2023	10:30	PO	String replacement work
MALEGAON (ZODGA) - BALAPUR CKT 2	IntraState	11/07/2023	10:58	11/07/2023	12:57	PO	Fixing of Suspension Clamp of Pilot string
LONAND-BARAMATI	IntraState	11/07/2023	14:10	11/07/2023	18:42	EO	Outage required for removal of bunching at location no. 20
JEJURI-LONAND	IntraState	11/07/2023	14:10	11/07/2023	18:39	EO	To remove bunching at tower location 20, which was previously made on 04.07.2023, Photo of new tower attached in photos
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.
220/33KV 50MVA PTR 1 @ VITA	IntraState	11/07/2023	10:30	11/07/2023	18:22	PO	Aircell replacement work
220/100 KV 200 MVA ICT 4 @ PADGHE	IntraState	11/07/2023	12:00	11/07/2023	17:46	EO	Attending hotspot by replacing R Phase LV Bushing Jumper
132 KV LINE Outages/Trippings							
RISOD-YELDARI	IntraState	20/04/2023	17:57			HT	TO CONTROL LOADING ON RISOD - MALEGAON CKT

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 11/Jul/2023

Statement-VII

Position as on 6.30 Hrs of 12/Jul/2023

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.

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