

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 03/Jul/2023 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	150.663	437.199	1) Gujrat	-5.701	-14.237
2) Hydro	7.831	19.630	2) Madhya Pradesh	5.617	18.321
3) Gas	0.000	0.000	3) Chattisgarh	2.330	5.110
Total MSPGCL	158.494	456.829	4) Maharashtra	169.177	465.415
B) 1) APLM	68.858	190.226	5) Goa (Amona)	-1.207	-3.373
2) JSWEL	19.454	57.072	Total	170.216	471.236
3) VIPL	0.000	0.000	a) Mumbai Schedule	35.952	102.073
4) RPL(AMT)	25.391	75.545	b) Mumbai Drawl	40.331	113.166
5) SWPGPL	9.047	25.563	c) MSEDCL Bilateral *	80.182	259.779
6) Other IPP	7.131	20.403	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	35.434	101.450
C) 1) TPCL Thermal	4.099	14.287	Include PX	0.000	0.000
2) TPCL Hydro	7.720	15.888	Standby	0.518	0.623
3) TPCL Gas	4.137	11.241	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.746	26.758	1) MSEDCL	448.444	1303.352
D) STATE			2) Mumbai Discoms	66.033	181.340
1) Thermal	294.389	847.053	3) Other Discoms	10.093	29.492
(A1+C1+C4+(B1-B6))			TOTAL STATE	524.570	1514.184
2) Hydro (A2+C2)	15.551	35.518			
3) Gas (A3+B7+C3)	4.137	11.241			
4) Wind	27.128	111.686			
6) SOLAR	13.149	37.450			
TOTAL STATE	354.354	1042.948			

* 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 16 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	6283	6311	6348	6233
MSPGCL Hydro	206	140	776	148
MSPGCL Gas	0	0	0	0
MSPGCL Total Generation	6489	6451	7124	6381
Central Sector Receipt	8509	8099	7313	5428
WIND	1070	1362	1221	1487
CPP / IPP Thermal	5308	5343	5825	4953
CPP / IPP Gas	0	0	0	0
SOLAR	1450	1195	0	0
Exchange with Mumbai	-2356	-2006	-1657	-1179
MSEDCL DEMAND MET	20014	19994	19372	16736
Load Shedding	0	0	182	0
MSEDCL DEMAND	20014	19994	19554	16736
TPCL GENERATION	593	778	831	461
AEML GENERATION	347	495	494	303
MUMBAI DEMAND	3296	3279	2982	1943
OTHER DISCOM DEMAND	456	450	454	334
STATE DEMAND MET	23766	23723	22808	19013
STATE DEMAND	23766	23723	22990	19013
Frequency (Hz)	49.99	49.98	49.78	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.2 Hz at 13.01 Hrs	49.58 Hz at 19.43 Hrs	49.98	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 03/Jul/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.14	11.96	180	160
Unit 8	12.56	37.06	556	467
Unit 9	12.41	35.35	545	483
Unit 10	12.14	35.84	519	492
Total	41.24	120.21		
Bhusawal				
Unit 3	3.24	9.68	150	120
Unit 4	10.48	30.27	470	380
Unit 5	11.14	31.06	495	440
Total	24.86	71.02		
Parli				
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Unit 8	0.00	0.00	0	0
Total	0.00	0.00		
Chandrapur				
Unit 3	3.54	10.38	158	125
Unit 4	3.54	10.34	155	134
Unit 5	0.00	0.00	0	0
Unit 6	9.09	25.54	390	345
Unit 7	9.22	25.82	410	334
Unit 8	11.03	31.77	476	431
Unit 9	11.34	32.89	497	444
Total	47.75	136.73		
Paras				
Unit 3	4.86	13.65	218	189
Unit 4	5.12	14.41	222	202
Total	9.98	28.06		
Khaparkheda				
Unit 1	0.00	0.00	0	0
Unit 2	2.33	7.69	116	33
Unit 3	4.22	12.28	181	169
Unit 4	2.66	10.23	117	108
Unit 5	10.56	31.09	460	399
Total	19.78	61.29		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	3.58	10.14	169	122
Unit 5	3.46	9.76	155	128
Total	7.05	19.90		
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	3.10	6.32	535	35

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.00	0.00	0	0
Stage 3	0.87	2.43	240	0
Total	3.97	8.76		
Hydro				
KDPH	0.00	0.14	0	0
VTRNA	0.00	0.36	0	0
TILLARI	0.00	0.00	0	0
BHIRA T.R.	0.48	1.28	77	0
SMLHY_PTN	2.55	7.55	108	104
GHATGHAR	0.83	1.54	125	0
Total	3.86	10.87		
Wind				
Total	27.13	111.69	0	0
Total	27.13	111.69		
CPP				
APML(Mus)	68.86	190.23	0	0
JSWEL(Mus)	19.45	57.07	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.39	75.54	0	0
SWPGPL-Mus	9.05	25.56	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.35	15.28	270	198
Other(Mus)	1.78	5.12	0	0
Total	129.88	368.81		
SOLAR				
Total	13.15	37.45	0	0
Total	13.15	37.45		
Tata				
Trombay 5	0.00	3.11	0	0
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.58	6.93	108	107
Trombay 7B	1.55	4.31	65	64
TATA Hydro	7.72	15.89	444	146
Trombay 8	4.10	11.18	222	123
Total	15.96	41.42		
AEML				
DTPS U-1&2	9.75	26.76	502	293
Total	9.75	26.76		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	150.66	437.20	MSPGCL Total	158.49	456.83
			MSPGCL Thml+Gas	150.66	437.20	Koyna 1,2 & 4 Total	3.10	6.32
			MSPGCL Hydro	7.83	19.63	State Total	354.35	1042.95

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 03/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	6220	148	0	6368	1115	5740	0	0	5727	5148	-1073	16932	0	0	16932	2305	366	19603	50.02
2	6251	148	0	6399	1205	5096	0	0	6028	5510	-1185	16684	0	0	16684	2130	341	19155	50.00
3	6229	148	0	6377	1467	4888	0	0	5942	5547	-1136	16811	0	0	16811	2012	332	19155	50.01
4	6233	148	0	6381	1487	4953	0	0	5931	5428	-1179	16736	0	0	16736	1943	334	19013	50.01
5	6220	147	0	6367	1243	5172	0	0	6095	6035	-1172	17290	0	0	17290	1944	355	19589	50.00
6	6287	146	0	6433	1367	5450	0	0	6998	6852	-1246	18481	0	0	18481	2056	375	20912	49.98
7	6244	256	0	6500	1068	5721	0	118	7536	7277	-1236	19052	0	0	19052	2238	396	21686	50.00
8	6227	433	0	6660	1064	5599	0	517	7468	7402	-1564	19254	0	0	19254	2458	424	22136	50.02
9	6320	251	0	6571	933	5429	0	1007	7759	7793	-1897	19367	0	0	19367	2803	469	22639	49.97
10	6348	306	0	6654	994	5497	0	1199	7894	7859	-2147	19601	0	0	19601	3091	455	23147	49.98
11	6283	206	0	6489	1070	5308	0	1450	8577	8509	-2356	20014	0	0	20014	3296	456	23766	49.99
12	6272	186	0	6458	929	4919	0	1446	9018	8871	-2393	19778	0	0	19778	3358	452	23588	50.01
13	6143	168	0	6311	897	4902	0	1589	8697	8630	-2278	19609	0	0	19609	3289	442	23340	50.00
14	6136	160	0	6296	990	4892	0	1677	8329	8110	-2293	19231	0	0	19231	3181	441	22853	50.02
15	6264	144	0	6408	991	5221	0	1565	8104	7874	-2153	19446	0	0	19446	3238	460	23144	49.90
16	6311	140	0	6451	1362	5343	0	1195	7992	8099	-2006	19994	0	0	19994	3279	450	23723	49.98
17	6312	144	0	6456	1630	5535	0	841	7819	7557	-1961	19595	0	0	19595	3237	463	23295	50.00
18	6365	145	0	6510	1606	5376	0	461	7548	7104	-1929	18669	0	0	18669	3141	459	22269	50.00
19	6322	256	0	6578	1489	5662	0	84	7286	7201	-1786	18764	0	0	18764	3032	464	22260	50.01
20	6348	776	0	7124	1221	5825	0	0	7156	7313	-1657	19372	182	0	19554	2982	454	22990	49.78
21	6362	991	0	7353	825	5853	0	0	6431	6881	-1545	18924	411	0	19335	2878	443	22656	49.87
22	6371	1046	0	7417	708	5842	0	0	6292	6562	-1443	18638	605	0	19243	2781	448	22472	49.93
23	6344	817	0	7161	676	5840	0	0	6214	6240	-1370	18132	745	0	18877	2707	415	21999	49.92
24	6251	521	0	6772	791	5818	0	0	6231	6414	-1326	18069	663	0	18732	2654	400	21786	50.02
MUs	150.66	7.83	0.00	158.49	27.13	129.88	0.00	13.15	173.07	170.22	-40.33	448.44	2.61	0.00	451.05	66.03	10.09	527.18	49.98

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 03/Jul/2023

Position as on 6.30 Hrs of 04/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	Khaparkhedha Unit 1	210	30/06/2023	00:18		Continued.	Annual Overhaul	24/07/2023
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	29/06/2023
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	Nasik Unit 3	210	08/06/2023	11:40		Continued.	Tolling Agreement with IEPL synchronised at 9:19 Hrs	
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.	On boiler protection	
IPP	JSW (J) U2	300	27/06/2023	23:44		Continued.	No schedule	
MSPGCL	Parli Unit 6	250	29/06/2023	00:45		Continued.	Zero Schedule	
MSPGCL	Parli Unit 7	250	29/06/2023	14:31		Continued.	On Zero Schedule	
TPC-G	Trombay 5	500	01/07/2023	11:51		Continued.	Coal feeding problem	
IPP	SWPGPL U-1	135	02/07/2023	02:54		Continued.	PA Fan problem	10/07/2023
MSPGCL	Khaparkhedha Unit 2	210	03/07/2023	23:29	04/07/2023	09:40	ID Fan Problem	04/07/2023
MSPGCL	Paras Unit 3	250	04/07/2023	09:39		Continued.	Boiler Tube Leakage	06/07/2023

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 03/Jul/2023

Statement-VII

Position as on 6.30 Hrs of 04/Jul/2023

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-1 @ KORADI 3	IntraState	03/07/2023	10:01	03/07/2023	22:12	HT	Planned outage approved in WR list
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
TBC @ PADGHE	IntraState	03/07/2023	10:54	03/07/2023	16:59	PO	1.Bay Maintenance Work 2.Replacement of PG Clamp of C Bus PG Isolator.
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 - 2	IntraState	27/06/2023	09:46	04/07/2023	14:45	HT	H/T for load Management.
CHANDRAPUR 2- KUMBHARGAON (NANDED) CKT - 1	IntraState	03/07/2023	12:54	03/07/2023	19:25	PO	Replacement of Faulty Insulator strings (Found in PID) at LOC 264
CHANDRAPUR GCR - CHANDRAPUR 2 CKT 2	IntraState	04/07/2023	07:06			PO	For retrofitting of Main 2 line differential relay
DABHOL - NAGOTHANE CKT - 2	IntraState	04/07/2023	11:48			PO	Rectification of line isolator and earth switch operational issues.
JEJURI - KARAD	IntraState	04/07/2023	12:09	04/07/2023	18:31	PO	PID Faulty string replacement work
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 315MVA ICT - 2 @ BABHALESHWAR	IntraState	02/07/2023	13:30			PO	ABB Circuit Breaker Mechanism overhauling ICT 2 on TBC
400/220/33KV SPARE ICT @ KORADI 2	IntraState	03/07/2023	10:07	03/07/2023	18:41	PO	1) jumper connection of Isolator, LA & IV Bushing of spare ICT 2) trials RRS with ICT-I
400/220/33KV SPARE ICT @ KORADI 2	IntraState	04/07/2023	10:30			PO	trials of Spare ICT Unit with ICT-II.
220 KV MAINBAY Outages/Trippings							
220 KV WANI - PANDHARKAWDA CKT I BAY (TEST CHARGED)	IntraState	02/06/2023	10:10			HT	For rectification of punch points of 220kv wani- pandharkawada line ph-i line.
220 KV LINE Outages/Trippings							
220 KV HARANGUL - PARLY (PG) CKT	InterState	03/07/2023	01:53	03/07/2023	02:14	T	Distance Protection.
220 KV HARANGUL - PARLY (PG) CKT	InterState	03/07/2023	01:53	03/07/2023	02:14	T	Distance Protection
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
GOREGAON - AAREY CKT - 2	IntraState	17/06/2023	18:14			PO	Shifting of existing 220kV AIS Bay no. 2 to New GIS Bay no. 19 under MERC approved Aarey 220kV AIS to GIS conversion project scheme.
URAN - KHARGHAR 1	IntraState	23/06/2023	17:36			PO	LILO and commissioning of 220kV Ulwe GIS

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 03/Jul/2023

Statement-VII

Position as on 6.30 Hrs of 04/Jul/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
BAPGAON - KALWA	IntraState	29/06/2023	13:06			PO	Erection of cable termination kit and LA on newly erected CTT Monopole on 220 KV Kalwa Bapgaon line in between Loc No-398 to 399 for the Work of newly proposed 220KV GIS substation of M/s. Estela Enterprises Pvt. Ltd
GHODBUNDER - MSETCL BOISAR	IntraState	02/07/2023	16:10	03/07/2023	11:37	T	Tripped on distance protection
BORIVALI - BOISAR II LINE	IntraState	02/07/2023	16:10	03/07/2023	11:19	T	Tripped on distance protection
BOISAR - VERSOVA	IntraState	03/07/2023	10:21	03/07/2023	17:11	T	Tripped on distance protection
BHUGAON- WARDHA	IntraState	03/07/2023	19:41	03/07/2023	22:19	HT	To control overdrawal on lower frequency
WARDHA - WARDHA (PG)	IntraState	03/07/2023	20:02	03/07/2023	22:19	HT	To control overdrawal on lower frequency
NAGOTHANE - WADKHAL (GIS) CKT-2	IntraState	04/07/2023	09:46	04/07/2023	14:20	PO	Replacement of insulator, routine maintenance & emergency tree cutting work
NERLE - PEDAMBE	IntraState	04/07/2023	10:45	04/07/2023	15:45	EO	220 KV. Pedhambe 2 Nerale Line side Isolator to Transfer bus Isolator Jumper Replacement work
VERSOVA - GORAI	IntraState	04/07/2023	11:18			EO	Attending hotspot and conductor damage at LS 303 by replacing all phase connection between LS 303 to LS 303 A. Removing PG clamp arrangement by jumper cone connection.
NAGOTHANE - WADKHAL (GIS) CKT-1	IntraState	04/07/2023	14:53			PO	Replacement of insulator, routine maintenance & emergency tree cutting work
JEJURI-LONAND	IntraState	04/07/2023	15:37			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
LONAND-BARAMATI	IntraState	04/07/2023	16:06			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
MAHALAXMI - AMONA	IntraState	04/07/2023	16:09	04/07/2023	17:58	HT	For Amona end work
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.
220/132-110 KV 100 MVA ICT 2	IntraState	21/06/2023	11:00			EO	Replacement of HV CB
220/33 KV 50 MVA PTR - 7 @ WATHAR	IntraState	03/07/2023	10:14	03/07/2023	17:06	PO	Quarterly maint work
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.

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 03/Jul/2023

Statement-VII

Position as on 6.30 Hrs of 04/Jul/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
KALYAN KALWA SALSETTE 1	IntraState	03/07/2023	16:30	03/07/2023	18:34	PO	Removal of bird nest

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