

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 17/Jul/2022 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	104.217	2004.096	1) Gujrat	-3.431	-151.079
2) Hydro	13.571	182.128	2) Madhya Pradesh	7.242	78.055
3) Gas	3.116	68.429	3) Chattisgarh	4.570	66.750
Total MSPGCL	120.904	2254.653	4) Maharashtra	126.182	2369.982
B) 1) APML	48.669	775.915	5) Goa (Amona)	-1.284	-24.813
2) JSWEL	14.175	230.609	Total	133.279	2338.895
3) VIPL	0.000	0.000	a) Mumbai Schedule	29.507	571.235
4) RPL(AMT)	24.491	354.481	b) Mumbai Drawl	32.959	609.304
5) SWPGPL	7.618	127.307	c) MSEDCL Bilateral *	65.021	1302.415
6) Other IPP	6.192	118.010	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	29.507	569.155
C) 1) TPCL Thermal	9.662	165.373	Include PX	0.000	0.000
2) TPCL Hydro	6.213	73.255	Standby	0.000	2.080
3) TPCL Gas	0.000	6.389	H) ENERGY CATERED (MUs)		
4) AEML Thermal	3.888	135.999	1) MSEDCL	359.373	6421.187
D) STATE			2) Mumbai Discoms	52.722	990.321
1) Thermal	218.912	3911.790	3) Other Discoms	8.410	148.312
(A1+C1+C4+(B1-B6))			TOTAL STATE	420.505	7559.820
2) Hydro	19.784	255.383			
(A2+C2)					
3) Gas	3.116	74.818			
(A3+B7+C3)					
4) Wind	38.347	876.723			
6) SOLAR	7.067	102.210			
TOTAL STATE	287.226	5220.924			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 9 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	4513	4456	4299	4226
MSPGCL Hydro	403	870	1041	348
MSPGCL Gas	127	128	128	129
MSPGCL Total Generation	5043	5454	5468	4703
Central Sector Receipt	6924	5348	6076	4279
WIND	1370	1309	2028	1686
CPP / IPP Thermal	4069	4205	4654	4533
CPP / IPP Gas	0	0	0	0
SOLAR	651	817	0	0
Exchange with Mumbai	-1380	-1701	-1423	-1066
MSEDCL DEMAND MET	16305	15083	16415	13835
Load Shedding	0	0	0	0
MSEDCL DEMAND	16305	15083	16415	13835
TPCL GENERATION	604	569	768	688
AEML GENERATION	156	167	146	165
MUMBAI DEMAND	2140	2437	2337	1919
OTHER DISCOM DEMAND	372	350	388	300
STATE DEMAND MET	18817	17869	19140	16054
STATE DEMAND	18817	17869	19140	16054
Frequency (Hz)	50.02	50.04	49.88	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.19 Hz at 09.57 Hrs	49.62 Hz at 11.55 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 17/Jul/2022

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	1.54	38.34	125	45
Unit 7	0.00	0.00	0	0
Unit 8	0.00	43.27	0	0
Unit 9	8.40	100.49	367	310
Unit 10	8.73	185.23	375	340
Total	18.66	367.34		
Bhusawal				
Unit 3	0.00	44.11	0	0
Unit 4	6.91	139.76	345	275
Unit 5	7.02	124.08	355	275
Total	13.94	307.96		
Parli				
Unit 6	4.14	76.76	201	125
Unit 7	3.91	59.98	197	144
Unit 8	3.92	19.88	173	149
Total	11.96	156.61		
Chandrapur				
Unit 3	0.00	20.97	0	0
Unit 4	1.87	39.93	93	40
Unit 5	6.19	114.47	276	220
Unit 6	5.77	104.34	265	130
Unit 7	0.00	0.00	0	0
Unit 8	8.47	159.62	402	286
Unit 9	8.04	161.17	425	257
Total	30.34	600.49		
Paras				
Unit 3	3.34	65.75	165	106
Unit 4	3.28	64.73	153	100
Total	6.63	130.48		
Khaparkheda				
Unit 1	2.88	47.84	135	105
Unit 2	3.07	50.41	145	115
Unit 3	3.48	52.73	169	116
Unit 4	2.86	11.32	134	95
Unit 5	7.43	154.19	358	270
Total	19.72	316.49		
Nasik				
Unit 3	2.97	53.46	132	111
Unit 4	0.00	39.36	0	0
Unit 5	0.00	31.92	0	0
Total	2.97	124.74		
Uran				
All Units	3.12	68.43	138	126
Total	3.12	68.43		
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)	0.52	2.56	23	20
Total	0.52	2.56		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	2.14	33.38	440	40
Stage 4	1.16	10.92	489	0
Stage 3	1.44	22.29	160	0
Total	4.74	66.59		
Hydro				
KDPH	0.83	3.74	36	18
VTRNA	0.74	11.41	61	0
TILLARI	1.10	7.76	58	0
BHIRA T.R.	0.46	6.31	60	0
SMLHY_PTN	5.19	83.77	233	205
GHATGHAR	0.00	0.00	0	0
Total	8.31	112.98		
Wind				
Total	38.35	876.72	0	0
Total	38.35	876.72		
CPP				
APML(Mus)	48.67	775.92	0	0
JSWEL(Mus)	14.18	230.61	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	24.49	354.48	0	0
SWPGPL-Mus	7.62	127.31	0	0
Other(Mus)	6.19	118.01	0	0
Total	101.14	1606.32		
SOLAR				
Total	7.07	102.21	0	0
Total	7.07	102.21		
Tata				
Trombay 5	6.50	98.89	321	262
Trombay 6	0.00	0.00	0	0
Trombay 7A	0.00	3.82	0	0
Trombay 7B	0.00	2.57	0	0
TATA Hydro	6.21	73.26	398	168
Trombay 8	3.16	66.48	144	123
Total	15.88	245.02		
AEMIL				
DTPS U-1&2	3.89	136.00	169	146
Total	3.89	136.00		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	104.22	2004.10	MSPGCL Total	120.90	2254.65
			MSPGCL Thml+Gas	107.33	2072.52	Koyna 1,2 & 4 Total	3.30	44.30
			MSPGCL Hydro	13.57	182.13	State Total	287.23	5220.92

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/Jul/2022

Annexure-2

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDC L DEM. MET	LOAD SHED DING	MSEDC L DEM. WITH LS	MUMBAI DEMAN D	OTHER DISCOM DEMAN D	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS											
1	4190	347	138	4675	1873	4663	0	0	4811	4625	-1221	14292	0	14292	2118	323	16733	50.02
2	4158	348	129	4635	1814	4623	0	0	4522	4331	-1133	13968	0	13968	1995	302	16265	50.02
3	4226	348	129	4703	1686	4533	0	0	4391	4279	-1066	13835	0	13835	1919	300	16054	50.01
4	4189	350	128	4667	1634	4377	0	0	4491	4539	-1031	13900	0	13900	1870	286	16056	50.03
5	4227	350	129	4706	1491	4513	0	0	4826	4946	-1063	14297	0	14297	1840	296	16433	50.04
6	4354	370	129	4853	1304	4493	0	0	5715	5713	-1122	14919	0	14919	1894	322	17135	50.00
7	4432	394	128	4954	1281	4749	0	66	6534	6068	-1128	15631	0	15631	1914	359	17904	49.99
8	4471	402	138	5011	1053	4472	0	363	6844	6203	-1197	15530	0	15530	1999	374	17904	49.98
9	4513	403	127	5043	1370	4069	0	651	6824	6924	-1380	16305	0	16305	2140	372	18817	50.02
10	4457	459	127	5043	1408	3886	0	850	6583	6698	-1546	15971	0	15971	2292	368	18631	50.07
11	4361	462	138	4961	1383	3715	0	864	6455	6878	-1664	15785	0	15785	2393	352	18530	50.05
12	4245	894	128	5267	1250	3691	0	894	6407	6429	-1710	15461	0	15461	2440	359	18261	49.90
13	4456	870	128	5454	1309	4205	0	817	5358	5348	-1701	15083	0	15083	2437	350	17869	50.04
14	4385	522	127	5034	1530	4192	0	747	5913	5221	-1627	14759	0	14759	2364	338	17461	50.04
15	4238	525	137	4900	1723	3325	0	703	6089	6012	-1571	14753	0	14753	2312	339	17404	50.05
16	4224	624	128	4976	1555	3277	0	566	5765	5444	-1535	13941	0	13941	2288	342	16571	49.96
17	4348	623	126	5097	1646	3752	0	333	5445	5474	-1479	14439	0	14439	2268	385	17091	49.98
18	4272	578	127	4977	1750	3988	0	180	5666	5657	-1451	14696	0	14696	2241	406	17342	49.98
19	4289	580	127	4996	1913	4250	0	34	6220	6136	-1348	15586	0	15586	2266	395	18247	50.00
20	4299	1041	128	5468	2028	4654	0	0	6343	6076	-1423	16415	0	16415	2337	388	19140	49.88
21	4369	1312	127	5808	1966	4632	0	0	5608	5312	-1426	15898	0	15898	2402	394	18694	49.84
22	4450	774	127	5351	2034	4655	0	0	5195	4947	-1354	15265	0	15265	2378	368	18011	49.91
23	4543	487	138	5168	1609	4292	0	0	5216	5213	-1392	14539	0	14539	2333	351	17223	49.95
24	4521	508	128	5157	1737	4139	0	0	4798	4806	-1391	14108	0	14108	2282	340	16730	49.98
MUs	104.22	13.57	3.12	120.90	38.35	101.15	0.00	7.07	136.02	133.28	-32.96	359.37	0.00	359.37	52.72	8.41	420.51	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.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 17/Jul/2022

Position as on 6.30 Hrs of 18/Jul/2022

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Chandrapur Unit 7	500	15/06/2022	05:01		Continued.	Annual Overhaul	17/07/2022
MSPGCL	Koyna Unit 9	80	15/06/2022	08:00		Continued.	Capital Overhaul	30/09/2022
IPP	Adani U-2	660	25/06/2022	04:18		Continued.	Annual Overhaul	22/07/2022
MSPGCL	Koradi Unit 8	660	04/07/2022	21:55		Continued.	Annual Overhaul	10/08/2022
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	IEPL Unit 1	270	28/08/2018	21.26		Continued.	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.	31/03/2023
MSPGCL	Uran Unit 7	108	25/05/2020	12.51		Continued.	Turbine Blade Failure	22/10/2022
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.	31/03/2023
MSPGCL	Koradi Unit 7	210	27/04/2021	20.03		Continued.	Retired (04/08/2021 At 00.00)	
IPP	JSW (J) U1	300	16/03/2022	23:16		Continued.	Turbine Vibration	18/07/2022
MSPGCL	Ghatghar Unit-1	125	20/04/2022	00:35		Continued.	Stator Earth Fault	01/09/2022
MSPGCL	Ghatghar Unit-2	125	18/06/2022	10:00		Continued.	for Hydraulic Intake Gate Work	15/07/2022
MSPGCL	Uran Unit B0	120	24/06/2022	06:28		Continued.	Excitation channel fault(Converted to Gas Shortage from 26-06-22)	
MSPGCL	Uran Unit 8	108	24/06/2022	15:33		Continued.	Gas shortage	
IPP	RPL(AMT) U-3	270	30/06/2022	15:00		Continued.	Coal Shortage	
IPP	JSW (J) U4	300	01/07/2022	13:03		Continued.	Turbine bearing Vibration high	18/07/2022
MSPGCL	Uran Unit 6	108	06/07/2022	17:51		Continued.	Gas shortage	
MSPGCL	Koyna STG-IV Unit-1	250	06/07/2022	18:30		Continued.	Governor problem	16/07/2022
TPC-G	Trombay 7A	120	07/07/2022	01:09		Continued.	Gas shortage	
TPC-G	Trombay 7B	60	07/07/2022	01:21		Continued.	Gas shortage	
MSPGCL	Chandrapur Unit 3	210	09/07/2022	11:58		Continued.	Furnace Pressure High	16/07/2022
MSPGCL	Nasik Unit 5	210	11/07/2022	17:00		Continued.	WET COAL	
AEML	AEML Unit 2	250	13/07/2022	00:38		Continued.	Coal Shortage	
IPP	SWPGPL U-3	135	14/07/2022	14:58		Continued.	FD Fan Problem.	17/07/2022

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 17/Jul/2022

Position as on 6.30 Hrs of 18/Jul/2022

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Nasik Unit 4	210	14/07/2022	19:55		Continued.	Wet Coal Problem.	
MSPGCL	Bhusawal Unit 3	210	16/07/2022	06:30		Continued.	Critical coal stock	
IPP	Dhariwal	300	18/07/2022	03:15		Continued.	Generator Elect. Fault	
MSPGCL	Bhusawal Unit 4	500	18/07/2022	04:40		Continued.	Flame Failure	18/07/2022

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Tripping for 17/Jul/2022

Statement-VII

Position as on 6.30 Hrs of 18/Jul/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV LINE Outages/Tripping							
CHANDRAPUR - PADGHE HVDC POLE 2	IntraState	15/07/2022	03:06	18/07/2022	01:59	PO	Oil Filtration of Pole-2 R-ph Converter Transformer due to Increase in dissolve gases and PPM as per recommended by OEM to immediately taken out the converter transformer and carry out hot oil circulation (HOC) to improve the oil property
CHANDRAPUR - PADGHE HVDC POLE 2	IntraState	17/07/2022	16:51	17/07/2022	19:01	EO	For attending Tie-breaker faulty alarm
400 KV MAINBAY Outages/Tripping							
400KV MAIN BAY 413 OF SPARE BAY @ CHANDRAPUR 2	InterState	23/06/2022	20:33			EO	for requirement of trip coil material from 400 kv spare bay 413 CB and utilise it in 400 kv Warora Ckt 2 CB 425
MAIN BAY (431) OF 167 MVA SPARE ICT @ KORADI II	IntraState	16/06/2022	11:23			PO	1) Premonsoon maintenance work & 2) Routine Bay Maintenance.
400 KV LINE Outages/Tripping							
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	30/06/2022	07:24			HT	H/T FOR CONTROLLING LINE LOADING
KARAD - LONIKAND I	IntraState	15/07/2022	12:32	18/07/2022	08:51	T	Due to overloading of Kolhapur PG - Kolhapur MSETCL line
THAPTI TANDA - AURANGABAD (WALUJ)	IntraState	16/07/2022	14:12	17/07/2022	09:07	T	Decapping of insulator
JAIGAD - KARAD CKT - 2	IntraState	16/07/2022	23:47	17/07/2022	10:42	HT	HAND TRIPPED DUE TO O/V
KHADKA-AURANGABAD (WALUJ)	IntraState	17/07/2022	00:11	17/07/2022	06:49	HT	HAND TRIPPED DUE TO O/V
NEW KOYNA - DABHOL CKT - 1	IntraState	17/07/2022	06:05	17/07/2022	07:01	T	A/R SUCCESSFUL FROM NEW KOYNA END AND TRIPPED FROM DABHOL END
KHADKA-AURANGABAD (WALUJ)	IntraState	17/07/2022	17:55	18/07/2022	07:45	HT	To control overvoltage
JAIGAD - KARAD CKT - 2	IntraState	17/07/2022	23:50	18/07/2022	09:59	HT	HAND TRIPPED DUE TO O/V
NEW KOYNA - DABHOL CKT - 1	IntraState	18/07/2022	09:32			EO	Replacement of Faulty Insulators strings of Y.Ph. At loc.no. 35
400 KV ICT Outages/Tripping							
400/220/33 KV 500MVA ICT - 1 @ KHAPARKHEDA	IntraState	17/07/2022	22:32			T	TRIPPED ON NDR
400/220/33 KV 315 MVA ICT - 2 @ PARLI	IntraState	18/07/2022	09:48			T	tripped on OLTC buccholz
220 KV LINE Outages/Tripping							
EKLAHARA(GCR)(NASIK)-BABLESHWAR 2	IntraState	27/04/2022	12:21			EO	Shifting of 220kv GCR-BBLR-2 line on 220kv TBC bay.
BOISAR - VERSOVA	IntraState	16/07/2022	00:30			PO	1. Metro-9 Project work(Erection of 02 new monopoles and shifting of existing lines at Mira Bhyander area)2. DFCCIL Project work(Erection of 03 new inline lattice type towers and shifting existing lines at Virar Area)3. NHRCL project work(Erection of 02 new towers (01 ȳ Monopole & 01 Lattice) and shifting of existing lines at Vasai Area).

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 17/Jul/2022

Statement-VII

Position as on 6.30 Hrs of 18/Jul/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
DAHANU - VERSOVA	IntraState	16/07/2022	01:07			PO	1. Metro-9 Project work (Erection of 02 new monopoles and shifting of existing lines at Mira Bhyander area) 2. DFCCIL Project work (Erection of 03 new inline lattice type towers and shifting existing lines at Virar Area) 3. NHRCL project work (Erection of 02 new towers (01 & Monopole & 01 Lattice) and shifting of existing lines at Vasai Area).
TILLARI - AMONA LINE	IntraState	16/07/2022	15:40	17/07/2022	10:33	T	Tripped on DT
BHUGAON - WARDHA (PG)	IntraState	16/07/2022	20:15	17/07/2022	01:40	HT	HAND TRIPPED DUE TO HIGH O/D
DAHANU - GHODBUNDER CKT - 2	IntraState	16/07/2022	21:45	17/07/2022	09:37	T	TRIPPED ON DISTANCE PROTECTION
URAN - APTA CKT - 1	IntraState	17/07/2022	00:20	17/07/2022	08:33	T	TRIPPED ON DISTANCE PROTECTION
TROMBAY - SALSETTE CKT - 1	IntraState	17/07/2022	23:00	18/07/2022	07:02	PO	Project work , Erection of Proposed DF-5 type tower at loc.46A (Sahakar Plaza Metro -4 crossing)
TROMBAY SALSETTE LINE-2	IntraState	17/07/2022	23:22	18/07/2022	06:34	PO	Project Work, Erection of proposed DF-5 type tower at loc.46A (Sahakar Plaza Metro-4 crossing)
KALWA - COLOURCHEM	IntraState	18/07/2022	06:27	18/07/2022	08:23	EO	To attend red Hot spot in R-Ph CB jumper.
PEDAMBE-KALAMBANI(TSS)	IntraState	18/07/2022	09:17			PO	Replacement of B phase main bus isolator to Bkr jumper, B phase CT oil top up & LS isolator checking work.
EKLAHARE (OCR) - PADGHE	IntraState	18/07/2022	10:19			HT	To control overloading on 220 kV nashik-babhleshwar lines
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.
110 KV LINE Outages/Trippings							
DHARAVI POWAI	IntraState	30/08/2021	00:03			PO	Shifting of OPGW and stringing of conductor of 220 kV Trombay-Dharavi- Salsette line and replacement and shifting of conductor of Dharavi Powai and Dharavi Vikhroli line on new tower and dismantling old towers in section 32 to 38. 110 KV Vikhroli Powai line will be formed for dual feed to Vikhroli and Powai.
DHARAVI VIKHROLI	IntraState	30/08/2021	00:03			PO	Shifting of OPGW and stringing of conductor of 220 kV Trombay-Dharavi- Salsette line and replacement and shifting of conductor of Dharavi Powai and Dharavi Vikhroli line on new tower and dismantling old towers in section 32 to 38. 110 KV Vikhroli Powai line will be formed for dual feed to Vikhroli and Powai.

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 17/Jul/2022

Statement-VII

Position as on 6.30 Hrs of 18/Jul/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
WAGHIVALI - MANKHURD	IntraState	04/02/2022	10:30			PO	Construction of 400KV M/C Kharghar-Vikhroli Transmission line along with Dismantling, De-Stringining of existing 110KV Waghivali-Mankhurd and Waghivali-Chembur lines and shfting these lines on new Multicircuit Towers between Darave to Vashi.
WAGHIVALI - CHEMBUR	IntraState	04/02/2022	10:30			PO	Construction of 400KV M/C Kharghar-Vikhroli Transmission line along with Dismantling, De-Stringining of existing 110KV Waghivali-Mankhurd and Waghivali-Chembur lines and shfting these lines on new Multicircuit Towers between Darave to Vashi.

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