

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 14/Jul/2024 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	134.347	1926.109	1) Gujrat	-1.747	14.977
2) Hydro	4.287	86.498	2) Madhya Pradesh	-3.529	20.523
3) Gas	6.328	91.312	3) Chattisgarh	0.010	11.370
Total MSPGCL	144.962	2103.919	4) Maharashtra	153.930	2102.025
B) 1) APML	49.782	800.372	5) Goa (Amona)	-1.785	-26.002
2) JSWEL	19.806	273.576	Total	146.879	2122.893
3) VIPL	0.000	0.000	a) Mumbai Schedule	27.118	503.345
4) RPL(AMT)	24.571	320.133	b) Mumbai Drawl	30.564	547.156
5) SWPGPL	8.846	163.983	c) MSEDCL Bilateral *	87.576	1290.370
6) Other IPP	11.744	171.826	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	27.118	503.345
C) 1) TPCL Thermal	10.342	163.292	Include PX	0.000	0.000
2) TPCL Hydro	3.957	65.682	Standby	0.000	0.000
3) TPCL Gas	4.137	53.962	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.202	134.956	1) MSEDCL	416.540	6102.458
D) STATE			2) Mumbai Discoms	58.202	965.046
1) Thermal	268.640	3954.247	3) Other Discoms	11.044	158.089
(A1+C1+C4+(B1-B6))			TOTAL STATE	485.786	7225.593
2) Hydro	8.244	152.180			
(A2+C2)					
3) Gas	10.465	145.274			
(A3+B7+C3)					
4) Wind	40.319	653.410			
6) SOLAR	11.239	197.591			
TOTAL STATE	338.907	5102.702			

* 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	5285	4716	6655	5515
MSPGCL Hydro	324	168	335	93
MSPGCL Gas	264	256	267	265
MSPGCL Total Generation	5873	5140	7257	5873
Central Sector Receipt	7307	7377	6289	4939
WIND	1179	1399	1457	2209
CPP / IPP Thermal	4454	4119	5570	4630
CPP / IPP Gas	0	0	0	0
SOLAR	1299	1451	0	0
Exchange with Mumbai	-1462	-1652	-1304	-958
MSEDCL DEMAND MET	18176	17379	18769	16313
Load Shedding	0	0	0	0
MSEDCL DEMAND	18176	17379	18769	16313
TPCL GENERATION	800	732	887	614
AEML GENERATION	342	323	479	415
MUMBAI DEMAND	2604	2707	2670	1987
OTHER DISCOM DEMAND	474	454	500	380
STATE DEMAND MET	21254	20541	21939	18680
STATE DEMAND	21254	20541	21939	18680
Frequency (Hz)	50.04	49.90	50.00	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.19 Hz at 16:03 Hrs	49.74 Hz at 13:53 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 14/Jul/2024

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.04	56.06	182	126
Unit 8	11.07	159.77	560	387
Unit 9	11.38	162.49	535	376
Unit 10	11.61	115.86	546	390
Total	38.10	494.18		
Bhusawal				
Unit 3	3.15	45.84	175	120
Unit 4	1.89	1.89	280	0
Unit 5	9.24	135.96	465	285
Total	14.28	183.69		
Parli				
Unit 6	3.57	54.24	197	140
Unit 7	3.58	53.58	198	137
Unit 8	3.47	52.72	159	138
Total	10.63	160.54		
Chandrapur				
Unit 3	3.26	36.41	165	122
Unit 4	3.24	46.11	156	126
Unit 5	7.35	109.60	410	270
Unit 6	7.08	106.54	360	265
Unit 7	7.66	91.26	395	280
Unit 8	9.15	125.01	447	290
Unit 9	0.00	88.09	0	0
Total	37.74	603.02		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	4.82	67.98	250	145
Total	4.82	67.98		
Khaparkheda				
Unit 1	3.26	43.88	165	95
Unit 2	4.21	54.42	205	125
Unit 3	1.26	46.59	166	0
Unit 4	3.85	39.06	188	132
Unit 5	10.84	148.13	500	295
Total	23.43	332.07		
Nasik				
Unit 3	0.00	28.42	0	0
Unit 4	2.13	29.02	153	0
Unit 5	3.22	27.18	144	122
Total	5.35	84.62		
Uran				
All Units	6.33	91.31	269	256
Total	6.33	91.31		
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	0.52	16.68	50	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.00	15.41	0	0
Stage 3	1.22	12.76	160	0
Total	1.75	44.86		
Hydro				
KDPH	0.00	0.05	0	0
VTRNA	0.00	1.01	0	0
TILLARI	0.00	0.10	0	0
BHIRA T.R.	0.39	4.93	80	0
SMLHY_PTN	2.04	32.66	95	68
GHATGHAR	0.11	2.89	110	0
Total	2.54	41.64		
Wind				
Total	40.32	653.41	0	0
Total	40.32	653.41		
CPP				
APML(Mus)	49.78	800.37	0	0
JSWEL(Mus)	19.81	273.58	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	24.57	320.13	0	0
SWPGPL-Mus	8.85	163.98	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.04	74.65	265	170
Other(Mus)	2.17	29.43	0	0
JPL	4.53	67.74	267	171
Total	114.75	1729.89		
SOLAR				
Total	11.24	197.59	0	0
Total	11.24	197.59		
Tata				
Trombay 5	6.86	106.42	396	263
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.59	33.40	108	108
Trombay 7B	1.54	20.56	65	64
TATA Hydro	3.96	65.68	341	41
Trombay 8	3.48	56.87	223	129
Total	18.44	282.94		
AEML				
DTPS U-1&2	9.20	134.96	489	283
Total	9.20	134.96		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	134.35	1926.11	MSPGCL Total	144.96	2103.92
			MSPGCL Thml+Gas	140.68	2017.42	Koyna 1,2 & 4 Total	0.52	32.09
			MSPGCL Hydro	4.29	86.50	State Total	338.91	5102.70

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 14/Jul/2024

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	5279	109	265	5653	2247	4873	0	0	5617	5455	-1037	16756	0	0	16756	2273	435	19464	49.98
2	5374	113	265	5752	2363	4624	0	0	5343	5238	-923	16646	0	0	16646	2159	408	19213	49.97
3	5538	113	265	5916	2405	4721	0	0	5071	4783	-875	16580	0	0	16580	2055	370	19005	49.98
4	5515	93	265	5873	2209	4630	0	0	5152	4939	-958	16313	0	0	16313	1987	380	18680	49.98
5	5574	98	265	5937	2130	4795	0	0	5380	5369	-981	16868	0	0	16868	1986	382	19236	50.00
6	5890	165	266	6321	1997	5115	0	0	5717	5638	-1064	17577	0	0	17577	2021	430	20028	49.98
7	5977	243	266	6486	1677	5490	0	93	6041	6074	-1063	18296	0	0	18296	2052	461	20809	50.02
8	5712	257	267	6236	1421	5160	0	363	6603	6626	-1163	18169	0	0	18169	2128	474	20771	50.01
9	5715	289	269	6273	1206	4993	0	742	6638	6629	-1292	18069	0	0	18069	2272	482	20823	49.96
10	5793	291	264	6348	1130	5066	0	1068	6710	6476	-1309	18278	0	0	18278	2445	501	21224	49.99
11	5285	324	264	5873	1179	4454	0	1299	7320	7307	-1462	18176	0	0	18176	2604	474	21254	50.04
12	5047	281	259	5587	1234	4360	0	1346	7479	7376	-1517	17916	0	0	17916	2696	470	21082	50.01
13	4716	168	256	5140	1399	4119	0	1451	7699	7377	-1652	17379	0	0	17379	2707	454	20541	49.90
14	4709	112	256	5077	1688	4100	0	1535	7558	6795	-1632	17113	0	0	17113	2662	450	20225	49.87
15	4711	85	259	5055	2025	3897	0	1360	7446	6600	-1614	16875	0	0	16875	2620	448	19943	49.94
16	4964	83	261	5308	2192	4168	0	1018	6954	6412	-1509	17116	0	0	17116	2558	472	20147	50.02
17	5072	93	261	5426	1870	4449	0	616	6673	6572	-1520	16937	0	0	16937	2485	476	19898	50.00
18	5445	102	265	5812	1707	4612	0	286	6443	6501	-1537	16878	0	0	16878	2484	503	19865	49.99
19	6248	136	264	6648	1540	4949	0	61	6550	6240	-1364	17552	0	0	17552	2554	522	20628	50.04
20	6655	335	267	7257	1457	5570	0	0	6552	6289	-1304	18769	0	0	18769	2670	500	21939	50.00
21	6484	218	265	6967	1540	5651	0	0	6240	5832	-1250	18239	0	0	18239	2733	501	21473	49.98
22	6138	220	265	6623	1349	5069	0	0	6021	5910	-1291	17165	0	0	17165	2720	495	20380	49.97
23	6352	180	264	6796	1152	5150	0	0	5698	5280	-1206	16688	0	0	16688	2684	484	19856	49.93
24	6154	179	265	6598	1202	4734	0	0	5503	5161	-1041	16182	0	0	16182	2647	472	19301	50.00
MUs	134.35	4.29	6.33	144.96	40.32	114.75	0.00	11.24	152.41	146.88	-30.56	416.54	0.00	0.00	416.54	58.20	11.04	485.79	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 14/Jul/2024

Position as on 6.30 Hrs of 15/Jul/2024

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL								
MSPGCL	Bhusawal Unit 4	500	16/06/2024	00:00	14/07/2024	13:51	Annual Overhaul	14/07/2024
MSPGCL	Paras Unit 3	250	30/06/2024	22:35		Continued.	Annual Overhaul	14/08/2024
MSPGCL	Koyna Unit 5	80	02/07/2024	11:00		Continued.	PLC upgradation work	27/07/2024
MSPGCL	Koyna Unit 1	70	10/07/2024	08:00		Continued.	Governer replacement work.	07/08/2024
Total Capacity MSPGCL		900						
IPP								
IPP	RPL(AMT) U-1	270	01/07/2024	07:00		Continued.	Annual Overhaul	01/08/2024
IPP	Adani U-2	660	15/07/2024	00:00		Continued.	Annual Overhaul	07/08/2024
Total Capacity IPP		930						
Total Capacity PLANNED OUTAGE		1830						
FORCED OUTAGE								
MSPGCL								
MSPGCL	Uran Unit A0	120	07/09/2022	16:30		Continued.	TURBINE TRIPPED ON HIGH VIBRATIONS	31/08/2024
MSPGCL	Ghatghar Unit-2	125	26/05/2024	13:17		Continued.	Stator Earth Fault	26/07/2024
MSPGCL	Chandrapur Unit 9	500	10/07/2024	17:44		Continued.	Boiler Tube Leakage	15/07/2024
MSPGCL	Khaparkheda Unit 3	210	13/07/2024	13:32	14/07/2024	15:01	Drum level low	14/07/2024
Total Capacity MSPGCL		955						
IPP								
IPP	SWPGPL U-3	135	13/07/2024	23:54	15/07/2024	05:41	Boiler Tube Leakage	17/07/2024
Total Capacity IPP		135						
CENT.SECTOR								
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.	30/12/2024
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.	30/11/2024
Total Capacity CENT.SECTOR		320						
Total Capacity FORCED OUTAGE		1410						
UNIT UNDER ZERO SCHEDULE / RSD								
MSPGCL								
MSPGCL	Uran Unit 6	108	04/07/2024	23:59		Continued.	No Schedule by MSEDCL.	
MSPGCL	Uran Unit 5	108	13/07/2024	20:30		Continued.	No schedule	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 14/Jul/2024

Position as on 6.30 Hrs of 15/Jul/2024

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Total Capacity MSPGCL		216						
IPP								
IPP	JSW (J) U2	300	01/07/2024	01:12		Continued.	Non availabilty of load schedule	
Total Capacity IPP		300						
Total Capacity UNIT UNDER ZERO SCHEDULE / RSD		516						
UNIT OUT ON TOLLING *								
MSPGCL								
MSPGCL	Nasik Unit 4	210	11/07/2024	12:03	14/07/2024	07:04	Tolling under case IV from 23:52 hrs of dt.11.07.2024	
MSPGCL	Nasik Unit 3	210	13/07/2024	17:03		Continued.	Some internal problem (UNDER TOLLING FROM 07:04HRS, FROM DT.14.07.2024)	
Total Capacity MSPGCL		420						
Total Capacity UNIT OUT ON TOLLING *		420						
FORCED OUTAGE DUE TO NO PPA								
IPP								
IPP	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule.(NO PPA)	
IPP	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)	
Total Capacity IPP		988						
Total Capacity FORCED OUTAGE DUE TO NO PPA		988						

* Other generator generating power instead of contracted genertaor with tri-party agreement in between generatos & discom (Case-IV bidding)

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Jul/2024

Statement-VII

Position as on 6.30 Hrs of 15/Jul/2024

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400 KV LINE Outages/Trippings							
KARAD - SOLAPUR (PG)	InterState	15/07/2024	09:53			PO	Replacement of Complete Relay panel including replacement cables from Yard to Panel.
BUS REACTOR (50MVAR) @ PARLI	IntraState	27/09/2023	15:30			PO	Replacement of old 50 MVar bus reactor by new 125 MVar bus reactor.
AURANGABAD(MS) - PUNE (GIS) CKT - 1	IntraState	11/07/2024	11:57			HT	For load management
CHANDRAPUR 2 - DHARIWAL CKT - 2	IntraState	14/07/2024	19:13	14/07/2024	21:32	T	Tripped on distance protection
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.
400/220KV 500 MVA ICT - 3 @ VIKHROLI GIS	IntraState	10/02/2024	17:40			HT	H/T For LV only.
400/132 KV 200 MVA ICT - 2 @ KHADKA	IntraState	03/06/2024	23:26			T	Differential protection
400/220KV 500 MVA ICT - 2 @ VIKHROLI GIS	IntraState	22/06/2024	00:07			HT	H/T LV side only.
400/11kV STN-4B @ DEEPNAGAR	IntraState	13/07/2024	16:10			EO	For E/M for checking, cleaning and oil filtration work on STN-4B by M/s MSPGCL
400/220KV 105 MVA SPARE ICT @ KHADKA	IntraState	14/07/2024	11:24			T	Tripped on winding temperature high
220/33KV 80MVA T/F 1	IntraState	14/07/2024	11:50	14/07/2024	18:39	HT	1) 29c and 29d isolator overhauling and servicing work. 2) diagnostic testing work. 3) routine maintenance work.
400/220/33 KV 315 MVA ICT - 2 @ KHARGHAR	IntraState	14/07/2024	22:26	14/07/2024	22:56	T	LV CB tripped on PDR
400KV/21KV GT-2 @ TIRODA	IntraState	15/07/2024	09:02			PO	GT-2 Maintenance, testing and painting work. Main bay and Tie bay equipment maintenance work
220 KV MAINBAY Outages/Trippings							
220KV BUS SECTION BAY @ PEDAMBE	IntraState	03/04/2024	15:55			T	Tripped due to Y ph CT burst
220 KV LINE Outages/Trippings							
BALE - SOLAPUR (PG)	InterState	19/06/2024	08:56			PO	1) Outage is required for Project work for Balance foundation, erection & stringing work of 220 kV Bale-PGCIL M/C portion (From Loc No 17A-37 A) 2) 220 kV Bale-PGCIL arrangement will be changed from 220 kV PG-Dharashiv (Osmanabad). (Bunching arrangement at Loc. No. 37)
MAIN BUS - 1 @ GORAI	IntraState	28/05/2024	17:59			T	Bus Fault
EKLAHARE (OCR) - NAVASARI CKT - 2	IntraState	17/06/2024	12:50			HT	For load management
OSMANABAD - SOLAPUR (BALE)	IntraState	19/06/2024	09:15			PO	1) Outage is required for Project work for Balance foundation, erection & stringing work of 220 kV Bale-PGCIL M/C portion (From Loc No 17A-37 A) 2) 220 kV Bale-PGCIL arrangement will be changed from 220 kV PG-Dharashiv (Osmanabad). (Bunching arrangement at Loc. No. 37)
ALEPHATA-PARGAON(KATHAPUR)	IntraState	02/07/2024	14:56			HT	For controlling loading of Kharghar - Talegaon PG.
EKLAHARE (OCR) - PADGHE	IntraState	13/07/2024	17:30			HT	For load management

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Jul/2024

Statement-VII

Position as on 6.30 Hrs of 15/Jul/2024

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
TROMBAY MSETCL TIE - 2	IntraState	14/07/2024	11:15	14/07/2024	18:20	PO	Replacement of faulty OPGW in span 9-8
EKLAHARE (OCR) - NAVASARI CKT - 1	IntraState	15/07/2024	08:54			HT	H/T For load management from Navsari end only.
220 KV ICT Outages/Trippings							
220/33kV 125 MVA TF 2 @ GORAI	IntraState	28/05/2024	17:59			T	Bus Fault
220/132KV 100MVA ICT-2 @ WALCHANDNAGAR	IntraState	21/06/2024	12:50			PO	Augmentation of 100 MVA ICT-02 with 200 MVA ICT
220/132 KV 100 MVA ICT 1	IntraState	12/07/2024	13:35			PO	Augmentation of 220/132kV 100MVA to 220/132kV 200MVA
250 MVA ICT-4 @ TROMBAY	IntraState	14/07/2024	10:43	14/07/2024	18:40	PO	Replacement of faulty OPGW in span 9-8
200 MVA 220/132 KV ICT - III @ CHALISGAON	IntraState	14/07/2024	11:20	14/07/2024	12:03	HT	To remove oil from oltc conservator & to maintain oil level. (oil overflow observed from oltc conservator tank).
220/100 KV 100 MVA ICT 1 @ KANDALGAON	IntraState	15/07/2024	05:28			T	Differential Protection
220/100 KV 100 MVA ICT 2 @ KANDALGAON	IntraState	15/07/2024	05:28	15/07/2024	06:58	T	Through fault
110 KV LINE Outages/Trippings							
KHOPOLI - DAVDI	IntraState	14/07/2024	10:20	14/07/2024	18:05	PO	insulator replacement and tree trimming

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