

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 02/Jul/2024 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	123.699	250.346	1) Gujrat	3.789	7.303
2) Hydro	5.396	13.226	2) Madhya Pradesh	1.205	2.620
3) Gas	6.514	13.023	3) Chattisgarh	1.490	4.060
Total MSPGCL	135.609	276.595	4) Maharashtra	146.042	288.763
B) 1) APML	53.398	102.340	5) Goa (Amona)	-2.274	-4.705
2) JSWEL	18.924	37.358	Total	150.252	298.041
3) VIPL	0.000	0.000	a) Mumbai Schedule	41.225	82.554
4) RPL(AMT)	24.728	49.657	b) Mumbai Drawl	44.293	89.932
5) SWPGPL	11.661	22.960	c) MSEDCL Bilateral *	101.888	200.329
6) Other IPP	11.764	23.495	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	41.225	82.554
C) 1) TPCL Thermal	12.056	22.924	Include PX	0.000	0.000
2) TPCL Hydro	4.499	8.860	Standby	0.000	0.000
3) TPCL Gas	4.136	8.274	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.096	17.216	1) MSEDCL	425.133	845.547
D) STATE			2) Mumbai Discoms	74.078	147.204
1) Thermal	265.326	526.296	3) Other Discoms	11.187	22.277
(A1+C1+C4+(B1-B6))			TOTAL STATE	510.398	1015.028
2) Hydro	9.895	22.086			
3) Gas	10.650	21.297			
4) Wind	61.944	121.922			
6) SOLAR	12.333	25.388			
TOTAL STATE	360.148	716.989			

* 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 18 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	4448	5434	5916	5272
MSPGCL Hydro	168	123	641	192
MSPGCL Gas	268	271	268	279
MSPGCL Total Generation	4884	5828	6825	5743
Central Sector Receipt	7223	6710	6601	5155
WIND	2959	2492	2209	2613
CPP / IPP Thermal	4608	4881	6120	4700
CPP / IPP Gas	0	0	0	0
SOLAR	1349	316	0	0
Exchange with Mumbai	-2273	-2111	-1914	-1302
MSEDCL DEMAND MET	18242	17593	19310	16567
Load Shedding	0	0	0	0
MSEDCL DEMAND	18242	17593	19310	16567
TPCL GENERATION	802	1059	962	616
AEML GENERATION	292	302	457	300
MUMBAI DEMAND	3367	3472	3333	2218
OTHER DISCOM DEMAND	508	523	531	342
STATE DEMAND MET	22117	21588	23174	19127
STATE DEMAND	22117	21588	23174	19127
Frequency (Hz)	49.94	49.99	49.93	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.26 Hz at 13:04 Hrs	49.82 Hz at 14:50 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 02/Jul/2024

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.84	7.36	179	133
Unit 8	10.69	22.48	515	363
Unit 9	11.12	22.76	520	373
Unit 10	0.00	0.00	0	0
Total	25.64	52.60		
Bhusawal				
Unit 3	3.12	6.28	160	110
Unit 4	0.00	0.00	0	0
Unit 5	9.10	17.86	495	295
Total	12.22	24.15		
Parli				
Unit 6	3.64	7.19	196	137
Unit 7	3.62	7.33	202	140
Unit 8	3.69	7.26	217	144
Total	10.95	21.79		
Chandrapur				
Unit 3	0.00	2.42	0	0
Unit 4	3.34	6.51	160	130
Unit 5	7.76	14.88	425	275
Unit 6	7.19	14.24	365	270
Unit 7	7.94	15.60	467	278
Unit 8	8.94	17.62	425	277
Unit 9	9.81	19.19	494	288
Total	44.97	90.47		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	4.64	9.24	239	141
Total	4.64	9.24		
Khaparkheda				
Unit 1	2.73	5.38	135	85
Unit 2	3.23	5.63	190	101
Unit 3	3.05	6.58	156	105
Unit 4	0.00	2.28	0	0
Unit 5	9.90	19.31	470	295
Total	18.90	39.17		
Nasik				
Unit 3	3.11	4.47	158	121
Unit 4	3.26	6.39	185	125
Unit 5	0.00	2.06	0	0
Total	6.37	12.93		
Uran				
All Units	6.51	13.02	280	263
Total	6.51	13.02		
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	1.36	3.53	265	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.64	2.06	414	0
Stage 3	0.66	1.72	80	0
Total	2.66	7.31		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	0.48	0	0
TILLARI	0.00	0.00	0	0
BHIRA T.R.	0.32	0.62	40	0
SMLHY_PTN	2.42	4.82	115	86
GHATGHAR	0.00	0.00	0	0
Total	2.74	5.92		
Wind				
Total	61.94	121.92	0	0
Total	61.94	121.92		
CPP				
APML(Mus)	53.40	102.34	0	0
JSWEL(Mus)	18.92	37.36	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	24.73	49.66	0	0
SWPGPL-Mus	11.66	22.96	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.12	10.21	267	170
Other(Mus)	1.80	3.67	0	0
JPL	4.85	9.61	269	181
Total	120.48	235.81		
SOLAR				
Total	12.33	25.39	0	0
Total	12.33	25.39		
Tata				
Trombay 5	7.91	15.15	449	257
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.59	5.18	108	108
Trombay 7B	1.54	3.09	65	64
TATA Hydro	4.50	8.86	390	56
Trombay 8	4.15	7.77	234	131
Total	20.69	40.06		
AEML				
DTPS U-1&2	9.10	17.22	474	288
Total	9.10	17.22		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	123.70	250.35	MSPGCL Total	135.61	276.60
			MSPGCL Thml+Gas	130.21	263.37	Koyna 1,2 & 4 Total	2.00	5.60
			MSPGCL Hydro	5.40	13.23	State Total	360.15	716.99

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 02/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	5366	117	279	5762	2505	4919	0	0	6173	5626	-1594	16801	0	0	16801	2673	417	19891	50.02
2	4950	132	278	5360	2578	4652	0	0	6002	5880	-1497	16582	0	0	16582	2465	391	19438	50.00
3	5034	212	280	5526	2562	4709	0	0	5490	5501	-1348	16583	0	0	16583	2300	367	19250	50.02
4	5272	192	279	5743	2613	4700	0	0	5373	5155	-1302	16567	0	0	16567	2218	342	19127	50.02
5	5141	152	280	5573	2808	4726	0	0	5769	5631	-1243	17131	0	0	17131	2208	364	19703	49.97
6	5232	380	279	5891	2425	5110	0	0	6397	6436	-1392	18071	0	0	18071	2323	399	20793	49.93
7	5565	346	268	6179	2524	5341	0	123	6552	6464	-1366	18824	0	0	18824	2477	441	21742	49.94
8	5359	300	267	5926	2754	5162	0	496	6528	6656	-1728	18782	0	0	18782	2692	484	21958	49.99
9	5081	166	272	5519	2936	4795	0	1020	7000	6590	-2015	18347	0	0	18347	3040	498	21885	50.02
10	4448	168	268	4884	2959	4608	0	1349	7477	7223	-2273	18242	0	0	18242	3367	508	22117	49.94
11	4385	105	268	4758	2794	4481	0	1416	7510	7400	-2386	17981	0	0	17981	3606	482	22069	49.99
12	4463	91	266	4820	2707	4417	0	1578	7317	6987	-2430	17596	0	0	17596	3700	483	21779	50.07
13	4362	130	267	4759	2684	4265	0	1571	7397	6735	-2373	17136	0	0	17136	3649	505	21290	50.06
14	4366	138	267	4771	2650	4112	0	1469	7257	6523	-2328	16716	0	0	16716	3555	481	20752	50.02
15	4672	138	268	5078	2703	4231	0	1400	6425	6278	-2364	16834	0	0	16834	3628	492	20954	49.95
16	4568	139	263	4970	2837	4381	0	916	7008	6448	-2301	16766	0	0	16766	3666	485	20917	50.04
17	4711	107	270	5088	2638	4581	0	637	7287	6984	-2227	17192	0	0	17192	3588	509	21289	49.95
18	5434	123	271	5828	2492	4881	0	316	7097	6710	-2111	17593	0	0	17593	3472	523	21588	49.99
19	5675	193	267	6135	2352	5560	0	42	7125	6730	-1986	18302	0	0	18302	3355	531	22188	50.03
20	5916	641	268	6825	2209	6120	0	0	6800	6601	-1914	19310	0	0	19310	3333	531	23174	49.93
21	6043	718	270	7031	2143	6323	0	0	6200	5827	-1645	19169	0	0	19169	3275	510	22954	49.94
22	6072	305	272	6649	2269	6321	0	0	5887	5351	-1537	18565	0	0	18565	3193	488	22246	50.02
23	5890	231	274	6395	2337	6288	0	0	5774	5167	-1448	18254	0	0	18254	3156	485	21895	50.02
24	5694	172	273	6139	2465	5792	0	0	5833	5349	-1485	17788	0	0	17788	3141	472	21401	50.04
MUs	123.70	5.40	6.51	135.61	61.94	120.47	0.00	12.33	157.68	150.25	-44.29	425.13	0.00	0.00	425.13	74.08	11.19	510.40	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 02/Jul/2024

Position as on 6.30 Hrs of 03/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	Koyna Unit 2	70	15/06/2024	07:10		Continued.	Govrner renovation	10/07/2024
MSPGCL	Bhusawal Unit 4	500	16/06/2024	00:00		Continued.	Annual Overhaul	06/07/2024
MSPGCL	Paras Unit 3	250	30/06/2024	22:35		Continued.	Annual Overhaul	14/08/2024
MSPGCL	Khaparkheda Unit 4	210	01/07/2024	17:16		Continued.	Boiler Steaming Validity Extension.	05/07/2024
Total Capacity MSPGCL		1030						
IPP								
IPP	RPL(AMT) U-1	270	01/07/2024	07:00		Continued.	Annual Overhaul	01/08/2024
Total Capacity IPP		270						
Total Capacity PLANNED OUTAGE		1300						
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	Koradi Unit-10	660	28/06/2024	00:54		Continued.	Boiler Tube Leakage	03/07/2024
MSPGCL	Chandrapur Unit 3	210	01/07/2024	19.34		Continued.	Boiler Tube Leakage	04/07/2024
Total Capacity MSPGCL		1115						
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		1435						
UNIT UNDER ZERO SCHEDULE / RSD								
MSPGCL								
MSPGCL	Uran Unit 5	108	17/06/2024	21:44		Continued.	Zero Schedule given by MSEDCL	
MSPGCL	Uran Unit 6	108	26/06/2024	22:30		Continued.	No Schedule from MSEDCL.	
Total Capacity MSPGCL		216						
IPP								
IPP	JSW (J) U2	300	01/07/2024	01:12		Continued.	Non availablty of load schedule	
Total Capacity IPP		300						

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 02/Jul/2024

Position as on 6.30 Hrs of 03/Jul/2024

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Total Capacity UNIT UNDER ZERO SCHEDULE / RSD		516						
UNIT OUT ON TOLLING *								
MSPGCL								
MSPGCL	Nasik Unit 5	210	01/07/2024	16:56		Continued.	In Case IV Tolling.	
Total Capacity MSPGCL		210						
Total Capacity UNIT OUT ON TOLLING *		210						
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 02/Jul/2024

Statement-VII

Position as on 6.30 Hrs of 03/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							
BUS REACTOR (50MVAR) @ PARLI	IntraState	27/09/2023	15:30			PO	Replacement of old 50 MVAR bus reactor by new 125 MVAR bus reactor.
CHANDRAPUR 2 - WARORA CKT-2	IntraState	22/04/2024	17:27			T	Tripped on distance protection.
CHANDRAPUR 2 - WARORA CKT-1	IntraState	22/04/2024	17:27			T	Tripped on distance protection.
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	23/06/2024	19:11			HT	H/T For load Management.
KHADKA-AURANGABAD (WALUJ)	IntraState	30/06/2024	13:38			HT	For System Overvoltage
PARLI - KUMBHARGAON (NANDED) CKT - 1	IntraState	02/07/2024	16:08	02/07/2024	23:48	EO	To take 50 MVAR line reactor in service.i) Reactor differential relay retrofitting work carried out on DT 10.06.2024 in opportunity. ii) Line reactor was already out of service from dt.20.02.2024 at Girwali end due to system constraints. iii) As, improved system voltage, reactor to be taken in service as per LD instructions. iv) Line shutdown required. v) After necessary protection trials, line reactor can be taken in service.
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
400/11kv STN-4A @ DEEPNAGAR	IntraState	26/06/2024	11:13			PO	For E/M for checking, cleaning and oil filtration work at MSPGCL End.
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
NTT - KALWA	IntraState	05/06/2024	00:20			PO	For carrying out the cable end termination work at Gigaplex for work of GIS s/stn of M/s Gigaplex s/stn (PGD) and opportunity outage for cable cutting work for work of 220kV GIS S/tn M/s NTT Global DC NAV2 Pvt Ltd.
TILLARI - AMONA LINE	IntraState	05/06/2024	12:51	02/07/2024	18:04	EO	heavy SF6 gas leakage observed on Y-ph CB pole of Amona bay at 220 kv Tillari SStn. hence Agency is deputed for inspection CB.

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/Jul/2024

Statement-VII

Position as on 6.30 Hrs of 03/Jul/2024

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
TOPWORTH - KHANDESHWAR	IntraState	15/06/2024	14:24			PO	Making LILO of 220kV Khandeshwar - Topwarth line & 220kV Khandeshwar Panvel TSS line and commissioning of 220/33kV Timber Market GIS, Panvel
PANVEL TSS - KHANDESHWAR	IntraState	15/06/2024	14:30			PO	Making LILO of 220kV Khandeahwar Topwarth line & 220kV Khandeshwar - Panvel TSS line and commissioing of 220/33kV Timber Market GIS, Panvel
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)
EKLAHARE (GCR) - AIROLI KNOW PARK	IntraState	29/06/2024	15:30			PO	Connecting auxillary jumper at CTT loc no. 399A of NTT Estella. The cables at Gigaplex(PDG) will be kept on soak test for 24 hrs by keeping the kalwa end breaker in off condition.
NERLE- POPHALI	IntraState	01/07/2024	15:05	02/07/2024	02:10	HT	HT due to R-ph conductor broken at Pophali end
MAIN BUS SECTION - 2 @ POPHALI	IntraState	01/07/2024	19:40	02/07/2024	01:40	EO	1. To replace PPL-Nerale line main bus isolator R phase, isolator to step bus conductor damaged
PANDHARPUR - KHANAPUR	IntraState	02/07/2024	08:48	02/07/2024	18:33	PO	Disc Insulator String Replacement Work by Long Rod (Work under scheme)
KARAD - KADEGAON	IntraState	02/07/2024	09:09			PO	For Relay Retrofitting & Relay rewring work.
WALCHANDNAGAR-LONI DEOKAR	IntraState	02/07/2024	11:45	03/07/2024	00:15	PO	For replacement of Distance relay of 220KV Lonideokar bay at 220kv Walchandnagar sstn .
NAGOTHANE - WADKHAL (GIS) CKT-1	IntraState	02/07/2024	11:53	02/07/2024	16:50	PO	Commissioning of SCADA IEDs at Nagothane.
KHAPARKHEDA-AMBAZARI-I	IntraState	02/07/2024	13:14	02/07/2024	14:23	EO	To attend Hot Spot on CT clamp
TATA BORIVLI MSETCL BORIVLI - 4	IntraState	02/07/2024	18:15	02/07/2024	19:00	EO	For checking fuses of B -ph PT secondary box as same is not showing the Voltage.
APTA - TALOJA	IntraState	02/07/2024	19:15	02/07/2024	21:26	EO	Hot-spot attending work at 220 kV Apta end and 220 kV Taloja end as well. Location of Hot-spot are as follows :- (1) 220 kV Taloja Y- phase CT stud Line side (Temperature - 77, Load- 343A). (2) 220 kV Taloja B- phase CT stud Line side (Temperature - 100, Load- 343A).
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
220/22-22 KV 100 MVA PTR NO 1 @ PARVATI	IntraState	02/07/2024	04:54	02/07/2024	10:36	T	Tripped on differential protection
220/22-22 KV 100 MVA PTR 1 @ WADA	IntraState	02/07/2024	07:58	02/07/2024	20:30	T	Tripped on differential protection.

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