

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 28/Jul/2024 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	115.053	3699.133	1) Gujrat	-0.348	27.516
2) Hydro	6.825	184.560	2) Madhya Pradesh	-5.467	-42.012
3) Gas	6.313	180.418	3) Chattisgarh	2.390	26.230
Total MSPGCL	128.191	4064.111	4) Maharashtra	145.756	4170.088
B) 1) APLM	44.292	1459.656	5) Goa (Amona)	-1.660	-53.610
2) JSWEL	18.332	534.866	Total	140.671	4128.212
3) VIPL	0.000	0.000	a) Mumbai Schedule	31.801	960.725
4) RPL(AMT)	15.769	609.307	b) Mumbai Drawl	34.187	1068.573
5) SWPGPL	10.954	318.092	c) MSEDCL Bilateral *	93.509	2623.240
6) Other IPP	10.366	323.988	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	31.794	960.717
C) 1) TPCL Thermal	4.743	313.031	Include PX	0.000	0.000
2) TPCL Hydro	5.993	133.141	Standby	0.008	0.008
3) TPCL Gas	3.543	109.551	H) ENERGY CATERED (MUs)		
4) AEML Thermal	10.189	241.969	1) MSEDCL	388.499	11815.627
D) STATE			2) Mumbai Discoms	58.655	1866.258
1) Thermal	229.698	7500.042	3) Other Discoms	10.570	322.185
(A1+C1+C4+(B1-B6))			TOTAL STATE	457.724	14004.070
2) Hydro	12.818	317.701			
(A2+C2)					
3) Gas	9.856	289.969			
(A3+B7+C3)					
4) Wind	58.748	1439.226			
6) SOLAR	5.933	328.927			
TOTAL STATE	317.053	9875.865			

* 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 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	4707	4584	5566	4570
MSPGCL Hydro	299	304	360	244
MSPGCL Gas	265	266	268	259
MSPGCL Total Generation	5271	5154	6194	5073
Central Sector Receipt	7094	6207	6357	4803
WIND	2558	2437	1951	2769
CPP / IPP Thermal	4414	3912	4610	4056
CPP / IPP Gas	0	0	0	0
SOLAR	553	781	0	0
Exchange with Mumbai	-1570	-1666	-1506	-1246
MSEDCL DEMAND MET	17861	16380	17136	15066
Load Shedding	0	0	0	0
MSEDCL DEMAND	17861	16380	17136	15066
TPCL GENERATION	465	597	690	436
AEML GENERATION	478	481	430	376
MUMBAI DEMAND	2513	2744	2626	2058
OTHER DISCOM DEMAND	460	444	470	389
STATE DEMAND MET	20833	19569	20232	17513
STATE DEMAND	20833	19569	20232	17513
Frequency (Hz)	50.01	50.01	49.95	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.14 Hz at 12:00 Hrs	49.77 Hz at 14:18 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 28/Jul/2024

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	2.95	102.70	135	107
Unit 8	0.00	300.22	0	0
Unit 9	11.47	322.72	555	370
Unit 10	11.34	265.12	556	400
Total	25.76	990.76		
Bhusawal				
Unit 3	2.47	87.88	115	90
Unit 4	7.73	84.11	490	285
Unit 5	7.62	248.94	410	280
Total	17.82	420.93		
Parli				
Unit 6	3.62	97.82	202	142
Unit 7	3.64	105.63	187	140
Unit 8	3.68	104.12	208	143
Total	10.94	307.57		
Chandrapur				
Unit 3	3.00	80.21	140	113
Unit 4	2.87	83.59	124	112
Unit 5	6.97	208.30	320	265
Unit 6	6.77	180.66	310	260
Unit 7	2.39	156.86	246	0
Unit 8	0.00	163.28	0	0
Unit 9	8.34	197.74	450	288
Total	30.34	1070.64		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	3.87	126.12	195	141
Total	3.87	126.12		
Khaparkheda				
Unit 1	2.45	82.72	125	85
Unit 2	2.49	96.81	117	92
Unit 3	2.95	84.43	134	106
Unit 4	2.78	86.09	150	91
Unit 5	9.60	261.42	475	320
Total	20.27	611.46		
Nasik				
Unit 3	0.00	40.64	0	0
Unit 4	3.15	77.11	145	122
Unit 5	2.91	53.90	134	110
Total	6.06	171.64		
Uran				
All Units	6.31	180.42	268	256
Total	6.31	180.42		
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)	1.05	1.72	46	41
Total	1.05	1.72		
Koyna				
Stage 1-2	1.18	31.02	215	25

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.00	26.09	0	0
Stage 3	0.70	29.54	80	0
Total	1.88	86.65		
Hydro				
KDPH	0.86	4.11	36	36
VTRNA	0.00	2.78	0	0
TILLARI	1.09	10.97	60	0
BHIRA T.R.	0.32	10.11	40	0
SMLHY_PTN	2.67	63.32	116	107
GHATGHAR	0.00	6.62	0	0
Total	4.95	97.91		
Wind				
Total	58.75	1439.23	0	0
Total	58.75	1439.23		
CPP				
APML(Mus)	44.29	1459.66	0	0
JSWEL(Mus)	18.33	534.87	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	15.77	609.31	0	0
SWPGPL-Mus	10.95	318.09	0	0
Dhariwal	0.00	0.00	0	0
IEPL	4.37	139.57	220	168
Other(Mus)	1.25	51.36	0	0
JPL	4.75	133.06	259	181
Total	99.71	3245.91		
SOLAR				
Total	5.93	328.93	0	0
Total	5.93	328.93		
Tata				
Trombay 5	0.47	200.43	311	0
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.14	67.94	109	58
Trombay 7B	1.40	41.61	64	48
TATA Hydro	5.99	133.14	445	124
Trombay 8	4.27	112.60	227	131
Total	14.28	555.72		
AEML				
DTPS U-1&2	10.19	241.97	484	320
Total	10.19	241.97		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	115.05	3699.13	MSPGCL Total	128.19	4064.11
			MSPGCL Thml+Gas	121.37	3879.55	Koyna 1,2 & 4 Total	1.18	57.12
			MSPGCL Hydro	6.82	184.56	State Total	317.05	9875.86

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 28/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	4664	244	256	5164	2980	4365	0	0	4658	4233	-1030	15278	0	0	15278	2427	434	18139	50.01
2	4500	267	256	5023	2949	3867	0	0	4997	4727	-1171	14991	0	0	14991	2251	403	17646	49.97
3	4451	419	258	5128	2818	3990	0	0	4938	4824	-1304	15090	0	0	15090	2119	366	17575	49.94
4	4570	244	259	5073	2769	4056	0	0	5110	4803	-1246	15066	0	0	15066	2058	389	17513	50.02
5	4535	248	258	5041	2611	4107	0	0	5525	5249	-1147	15465	0	0	15465	2046	395	17907	50.02
6	4735	248	260	5243	2494	4606	0	0	5995	5456	-1238	16152	0	0	16152	2091	409	18652	50.02
7	4881	231	257	5369	2430	4777	0	25	6377	6115	-1289	16985	0	0	16985	2127	442	19554	50.01
8	4955	231	263	5449	2481	4784	0	152	6804	6219	-1422	17222	0	0	17222	2188	442	19852	50.00
9	4957	308	264	5529	2555	4721	0	355	6907	6467	-1545	17623	0	0	17623	2346	460	20428	49.99
10	4707	299	265	5271	2558	4414	0	553	7408	7094	-1570	17861	0	0	17861	2513	460	20833	50.01
11	4406	357	264	5027	2388	3951	0	679	7576	7327	-1680	17234	0	0	17234	2660	458	20352	49.96
12	4417	310	265	4992	2336	3876	0	731	7498	7394	-1758	17109	0	0	17109	2756	462	20327	50.02
13	4584	304	266	5154	2437	3912	0	781	6811	6207	-1666	16380	0	0	16380	2744	444	19569	50.01
14	4645	242	263	5150	2485	3759	0	821	6619	5770	-1658	15901	0	0	15901	2658	426	18985	50.00
15	4526	266	265	5057	2539	3402	0	752	6956	5679	-1502	15501	0	0	15501	2578	425	18505	49.94
16	4592	283	265	5140	2526	3508	0	528	6165	5771	-1434	15590	0	0	15590	2540	450	18579	50.01
17	4738	243	265	5246	2439	3567	0	344	6486	5835	-1336	15647	0	0	15647	2491	449	18586	49.96
18	4864	234	267	5365	2277	3619	0	188	6569	6451	-1515	15912	0	0	15912	2464	472	18849	50.01
19	5209	328	268	5805	2085	4263	0	24	6836	6688	-1554	16833	0	0	16833	2529	479	19840	50.05
20	5566	360	268	6194	1951	4610	0	0	6733	6357	-1506	17136	0	0	17136	2626	470	20232	49.95
21	5520	362	266	6148	2199	4575	0	0	6472	6095	-1488	17062	0	0	17062	2650	468	20179	49.97
22	4996	406	264	5666	2074	4411	0	0	6097	5566	-1459	15779	0	0	15779	2629	479	18887	49.93
23	5173	204	265	5642	2174	4526	0	0	5433	5034	-1348	15587	0	0	15587	2604	441	18632	49.94
24	4862	187	266	5315	2193	4047	0	0	5692	5310	-1321	15095	0	0	15095	2560	449	18104	50.00
MUs	115.05	6.82	6.31	128.19	58.75	99.71	0.00	5.93	150.66	140.67	-34.19	388.50	0.00	0.00	388.50	58.65	10.57	457.72	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.

*Load Shedding due to Transmission Constraint :-

State Load Despatch Center,Airoli (MSETCL) Statement-VI

Details of Generating Unit Outages/Trippings for 28/Jul/2024

Position as on 6.30 Hrs of 29/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	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	06/08/2024
MSPGCL	Chandrapur Unit 8	500	19/07/2024	11:42		Continued.	Annual Overhaul	10/08/2024
Total Capacity MSPGCL		830						
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		1760						
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	26/08/2024
MSPGCL	Chandrapur Unit 7	500	25/07/2024	00:00	28/07/2024	11:30	GTR7B Transformer and PAH Duct Work (72 Hrs Work)	28/07/2024
MSPGCL	Koradi Unit 8	660	27/07/2024	20:19		Continued.	ID FAN TRIPPED	31/07/2024
MSPGCL	Uran Unit 7	108	29/07/2024	00:17		Continued.	Filter replacement work and B1 boiler HP feed station maintenance work.	29/07/2024
Total Capacity MSPGCL		1513						
TPC-G								
TPC-G	Trombay 5	500	28/07/2024	01:34		Continued.	Main Turbine Electro Hydraulic Converter fault.	29/07/2024
Total Capacity TPC-G		500						
IPP								
IPP	RPL(AMT) U-3	270	23/07/2024	00:47		Continued.	Turbine Vibration High	15/08/2024
IPP	SWPGPL U-1	135	28/07/2024	17:15	28/07/2024	21:12	Boiler feed pump trip	28/07/2024
Total Capacity IPP		405						
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						

State Load Despatch Center, Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 28/Jul/2024

Position as on 6.30 Hrs of 29/Jul/2024

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Total Capacity FORCED OUTAGE		2738						
UNIT UNDER ZERO SCHEDULE / RSD								
MSPGCL								
MSPGCL	Uran Unit 5	108	13/07/2024	20:30		Continued.	No schedule	
MSPGCL	Uran Unit 6	108	26/07/2024	20:03		Continued.	No schedule from MSEDCL.	
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 3	210	20/07/2024	21:18		Continued.	ID Fan Motor Problem. (Tolling from 11:50 hrs dtd 21.07.24)	
Total Capacity MSPGCL		210						
Total Capacity UNIT OUT ON TOLLING *		210						
FORCED OUTAGE DUE TO NO PPA								
IPP								
IPP	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule (NO PPA)	
IPP	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)	
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 28/Jul/2024

Statement-VII

Position as on 6.30 Hrs of 29/Jul/2024

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400 KV TIEBAY Outages/Trippings							
400KV TIE BAY 405 GT 1 -AKOLA 2 CKT 2 @ NANDGAONPETH	InterState	29/07/2024	06:59			PO	405 Circuit Breaker Maintenance & testing ,405 Bay Protection current Transformer testing, 405 Isolator Maintenance, Relay testing & Transformer Protection Check.
400 KV MAINBAY Outages/Trippings							
400KV MAIN BAY 404 - GT 1 @ NANDGAONPETH	InterState	29/07/2024	06:59			PO	404 Circuit Breaker Maintenance & testing ,404 Bay Protection Current Transformer testing, 404 & 405 Isolator Maintenance, Relay testing & Transformer Protection Check.
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.
KHADKA-AURANGABAD (WALUJ)	IntraState	23/07/2024	11:35			HT	H/T for voltage control.
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	27/07/2024	11:42			HT	For load management .
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
400KV/21KV GT-2 @ TIRODA	IntraState	15/07/2024	09:02			PO	GT-2 Maitenance, testing and painting work. Main bay and Tie bay equipment maintenance work
400/220 KV 3X200 MVA ICT - 2 @ KALWA	IntraState	20/07/2024	17:02			T	Tripped due to Bph. LV Bushing of ICT bursted.
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)

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 28/Jul/2024

Statement-VII

Position as on 6.30 Hrs of 29/Jul/2024

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
SOUTH SOLAPUR (KUMBHARI) - SOLAPUR (PG) CKT - 2	IntraState	23/07/2024	10:04			PO	Replacement of existing conductor of 220 kV PGCIL-South Solapur Ckt-II with HTLS Conductor & OPGW.
BOISAR II - VIRAJ	IntraState	27/07/2024	19:56	28/07/2024	00:24	HT	HT due to Y-ph jumper opened at Boisar
NERLE - PEDAMBE	IntraState	27/07/2024	22:20	28/07/2024	02:47	T	Tripped on distance protection.
ADLABS - PEDAMBE	IntraState	27/07/2024	23:05	28/07/2024	02:54	HT	H/T for load management of 220kV Pophali-Nerle line
KARAD - NERLE	IntraState	28/07/2024	00:39	28/07/2024	02:55	HT	H/T For load management of 220kV Nerle-Pophali line.
MAIN BUS SECTION - 1 @ POPHALI	IntraState	28/07/2024	09:25	28/07/2024	19:55	EO	Damaged Conductor replacemet work related to 220KV Main bus Section I
POPHALI - KDPH	IntraState	28/07/2024	18:35			T	Distance Protection
VANKUSWADE - KDPH	IntraState	29/07/2024	06:30	29/07/2024	07:30	T	Tripped on distance protection.
220 KV ICT Outages/Trippings							
220/33kV 125 MVA TF 2 @ GORAI	IntraState	28/05/2024	17:59			T	Bus Fault
220/132 KV 100 MVA ICT 1@ BABHALESHWAR	IntraState	12/07/2024	13:35			PO	Augmentation of 220/132kV 100MVA to 220/132kV 200MVA at Babheshwar.
220/100 KV 100 MVA ICT 1 @ KANDALGAON	IntraState	15/07/2024	05:28			T	Differential Protection
220/22-22 KV 80 MVA PTR 2 @ COLOURCHEM	IntraState	18/07/2024	14:05			T	Tripped on differential protection.
220/22KV 50MVA PTR 3 @ BHOSARI 2	IntraState	24/07/2024	23:02			T	Tripped due to caught fire.
220/132 KV 100 MVA ICT II @ UPPALWADI	IntraState	28/07/2024	11:52	28/07/2024	17:38	T	PRV OPTD.
220/110 KV 200 MVA ICT - 2 @ ICHALKARANJI - II	IntraState	29/07/2024	09:43			PO	1) Fire detector replacement work

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