

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 27/Jul/2024 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	124.447	3584.080	1) Gujrat	0.729	27.864
2) Hydro	9.286	177.735	2) Madhya Pradesh	-5.603	-36.545
3) Gas	6.304	174.105	3) Chattisgarh	1.800	23.840
Total MSPGCL	140.037	3935.920	4) Maharashtra	129.518	4024.332
B) 1) APLM	45.987	1415.364	5) Goa (Amona)	-2.063	-51.950
2) JSWEL	18.096	516.534	Total	124.381	3987.541
3) VIPL	0.000	0.000	a) Mumbai Schedule	33.075	928.924
4) RPL(AMT)	17.172	593.538	b) Mumbai Drawl	37.443	1034.386
5) SWPGPL	11.796	307.138	c) MSEDCL Bilateral *	101.066	2529.731
6) Other IPP	11.018	313.622	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	33.075	928.924
C) 1) TPCL Thermal	10.676	308.288	Include PX	0.000	0.000
2) TPCL Hydro	3.972	127.148	Standby	0.000	0.000
3) TPCL Gas	3.464	106.008	H) ENERGY CATERED (MUs)		
4) AEML Thermal	8.077	231.780	1) MSEDCL	395.613	11427.128
D) STATE			2) Mumbai Discoms	63.632	1807.603
1) Thermal	247.269	7270.344	3) Other Discoms	10.886	311.615
(A1+C1+C4+(B1-B6))			TOTAL STATE	470.131	13546.346
2) Hydro (A2+C2)	13.258	304.883			
3) Gas (A3+B7+C3)	9.768	280.113			
4) Wind	67.786	1380.478			
6) SOLAR	7.669	322.994			
TOTAL STATE	345.750	9558.812			

* 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	5162	5330	5957	4823
MSPGCL Hydro	313	254	1724	195
MSPGCL Gas	271	270	247	270
MSPGCL Total Generation	5746	5854	7928	5288
Central Sector Receipt	6330	6075	4897	4095
WIND	2858	2617	2523	2878
CPP / IPP Thermal	4531	4682	5127	3727
CPP / IPP Gas	0	0	0	0
SOLAR	815	170	0	0
Exchange with Mumbai	-1849	-1726	-1351	-1153
MSEDCL DEMAND MET	17932	17175	18623	14480
Load Shedding	0	0	0	0
MSEDCL DEMAND	17932	17175	18623	14480
TPCL GENERATION	713	827	1125	584
AEML GENERATION	311	331	460	295
MUMBAI DEMAND	2873	2884	2936	2032
OTHER DISCOM DEMAND	499	497	501	355
STATE DEMAND MET	21304	20556	22060	16867
STATE DEMAND	21304	20556	22060	16867
Frequency (Hz)	49.97	50.00	49.97	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.17 Hz at 17.03 Hrs	49.77 Hz at 15.50 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 27/Jul/2024

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	2.97	99.74	153	88
Unit 8	8.74	300.22	488	0
Unit 9	11.93	311.26	560	373
Unit 10	9.98	253.78	484	346
Total	33.62	965.00		
Bhusawal				
Unit 3	2.42	85.41	125	70
Unit 4	8.19	76.38	475	285
Unit 5	7.70	241.32	410	285
Total	18.32	403.11		
Parli				
Unit 6	3.59	94.21	197	116
Unit 7	3.76	101.99	198	140
Unit 8	3.79	100.44	211	143
Total	11.14	296.64		
Chandrapur				
Unit 3	3.08	77.22	145	120
Unit 4	3.04	80.72	148	111
Unit 5	7.02	201.33	305	279
Unit 6	6.92	173.89	325	262
Unit 7	0.00	154.47	0	0
Unit 8	0.00	163.28	0	0
Unit 9	8.22	189.40	453	280
Total	28.27	1040.31		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	4.06	122.25	212	146
Total	4.06	122.25		
Khaparkheda				
Unit 1	2.80	80.26	140	95
Unit 2	3.28	94.31	180	111
Unit 3	3.38	81.49	158	126
Unit 4	3.50	83.31	180	124
Unit 5	9.98	251.82	490	295
Total	22.94	591.19		
Nasik				
Unit 3	0.00	40.64	0	0
Unit 4	3.16	73.96	159	115
Unit 5	2.94	50.99	138	109
Total	6.10	165.59		
Uran				
All Units	6.30	174.10	273	242
Total	6.30	174.10		
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)	0.54	0.68	47	0
Total	0.54	0.68		
Koyna				
Stage 1-2	1.36	29.84	285	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	1.22	26.09	918	0
Stage 3	1.24	28.84	160	0
Total	3.81	84.78		
Hydro				
KDPH	0.86	3.24	36	36
VTRNA	0.00	2.78	0	0
TILLARI	1.46	9.88	61	60
BHIRA T.R.	0.38	9.79	40	0
SMLHY_PTN	2.45	60.65	112	88
GHATGHAR	0.32	6.62	125	0
Total	5.47	92.96		
Wind				
Total	67.79	1380.48	0	0
Total	67.79	1380.48		
CPP				
APML(Mus)	45.99	1415.36	0	0
JSWEL(Mus)	18.10	516.53	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	17.17	593.54	0	0
SWPGPL-Mus	11.80	307.14	0	0
Dhariwal	0.00	0.00	0	0
IEPL	4.41	135.20	222	167
Other(Mus)	1.78	50.11	0	0
JPL	4.83	128.31	250	182
Total	104.07	3146.20		
SOLAR				
Total	7.67	322.99	0	0
Total	7.67	322.99		
Tata				
Trombay 5	7.06	199.96	362	264
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.09	65.80	109	58
Trombay 7B	1.38	40.21	64	48
TATA Hydro	3.97	127.15	434	74
Trombay 8	3.62	108.33	226	129
Total	18.11	541.44		
AEML				
DTPS U-1&2	8.08	231.78	491	281
Total	8.08	231.78		

* Infirm Power		
Particulars	Daily (Mus)	Monthly

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	124.45	3584.08
MSPGCL Thml+Gas	130.75	3758.18
MSPGCL Hydro	9.29	177.74

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	140.04	3935.92
Koyna 1,2 & 4 Total	2.57	55.94
State Total	345.75	9558.81

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 27/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	5130	185	268	5583	3116	3929	0	0	4612	4063	-1342	14935	0	0	14935	2416	414	17765	49.99
2	4971	189	268	5428	3024	3849	0	0	4665	3992	-1263	14636	0	0	14636	2234	394	17264	49.95
3	4941	190	269	5400	2905	3796	0	0	4665	4036	-1219	14551	0	0	14551	2104	367	17022	49.96
4	4823	195	270	5288	2878	3727	0	0	4586	4095	-1153	14480	0	0	14480	2032	355	16867	49.98
5	5027	200	272	5499	2837	3805	0	0	4846	4417	-1139	15053	0	0	15053	2017	366	17436	49.98
6	5263	202	273	5738	2816	4135	0	0	5257	5120	-1209	16183	0	0	16183	2105	416	18705	50.02
7	5783	303	273	6359	2931	4779	0	48	5260	5074	-1197	17542	0	0	17542	2210	452	20204	49.99
8	5474	378	272	6124	2748	4807	0	250	5897	5582	-1382	17671	0	0	17671	2345	457	20474	50.00
9	5264	371	270	5905	2945	4649	0	587	6186	6036	-1652	17977	0	0	17977	2606	493	21076	50.02
10	5162	313	271	5746	2858	4531	0	815	6407	6330	-1849	17932	0	0	17932	2873	499	21304	49.97
11	4931	308	267	5506	2922	4031	0	995	6823	6604	-2064	17510	0	0	17510	3108	483	21102	49.98
12	4660	274	267	5201	2979	3771	0	1069	6781	6566	-2182	16925	0	0	16925	3188	479	20592	49.99
13	4634	240	253	5127	2973	3751	0	1018	6050	5804	-2129	16078	0	0	16078	3130	466	19674	49.99
14	4634	242	245	5121	2914	3589	0	962	5889	5508	-1993	15646	0	0	15646	2962	455	19063	49.99
15	4800	400	251	5451	2862	3553	0	850	5827	5545	-2052	15763	0	0	15763	2949	445	19158	49.91
16	5064	409	266	5739	2803	3877	0	559	5834	5661	-2055	16091	0	0	16091	2948	492	19532	49.92
17	5155	243	270	5668	2654	4329	0	321	6176	5765	-1905	16351	0	0	16351	2894	481	19726	49.99
18	5330	254	270	5854	2617	4682	0	170	6212	6075	-1726	17175	0	0	17175	2884	497	20556	50.00
19	5828	597	242	6667	2584	4994	0	25	6141	5438	-1631	17577	0	0	17577	2893	499	20970	50.01
20	5957	1724	247	7928	2523	5127	0	0	5318	4897	-1351	18623	0	0	18623	2936	501	22060	49.97
21	5667	805	255	6727	2605	5128	0	0	5184	5110	-1254	17821	0	0	17821	2878	494	21194	50.02
22	5525	428	256	6209	2739	5128	0	0	4977	4536	-1163	16973	0	0	16973	2751	476	20200	50.03
23	5405	412	254	6071	2737	5084	0	0	4801	4163	-1203	16400	0	0	16400	2635	453	19487	50.00
24	5019	424	255	5698	2816	5019	0	0	4600	3964	-1330	15717	0	0	15717	2534	450	18701	50.01
MUs	124.45	9.29	6.30	140.04	67.79	104.07	0.00	7.67	132.99	124.38	-37.44	395.61	0.00	0.00	395.61	63.63	10.89	470.13	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 27/Jul/2024

Position as on 6.30 Hrs of 28/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	Koyna Unit 1	70	25/07/2024	21:40	27/07/2024	19:40	Needle no.2 problem	
MSPGCL	Koradi Unit 8	660	27/07/2024	20:19		Continued.	ID FAN TRIPPED	31/07/2024
Total Capacity MSPGCL		1475						
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 27/Jul/2024

Position as on 6.30 Hrs of 28/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		2700						
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 availability 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 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 27/Jul/2024

Statement-VII

Position as on 6.30 Hrs of 28/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.
KHADKA-AURANGABAD (WALUJ)	IntraState	23/07/2024	11:35			HT	H/T for voltage control.
CHANDRAPUR 2 - CHD SWITCHING CKT - 2	IntraState	26/07/2024	10:35	27/07/2024	17:09	PO	Retrofitting work of Main-1 Relay
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)
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.
VIRUR - VIRUR RLY TSS 1	IntraState	26/07/2024	21:30	27/07/2024	14:22	HT	SF6 GAS LEAKAGE
KHARGHAR - WAGHIVALI (MSETCL) CKT - 2	IntraState	27/07/2024	05:38	27/07/2024	08:05	EO	220kV Waghivali - Kharghar Line - 2 for replacement of flashover pilot disc insulator of Y phase along with B p Phase near substation gantry.
220 KV CHALISGAON - KHADKA CKT -1	IntraState	27/07/2024	08:24	27/07/2024	16:48	PO	Distance protection relay retrofitting work

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 27/Jul/2024

Statement-VII

Position as on 6.30 Hrs of 28/Jul/2024

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
KHARGHAR - KHANDESHWAR CKT - 2	IntraState	27/07/2024	19:46	27/07/2024	20:32	T	Tripped on PDR
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
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 200 MVA ICT 3 @ BABHLESHWAR	IntraState	27/07/2024	10:32	27/07/2024	21:30	PO	Replacement of ICT differential Relay, HV & LV Backup replay
220/132 KV 100 MVA ICT II @ UPPALWADI	IntraState	28/07/2024	11:52	28/07/2024	17:38	T	PRV OPTD.

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