

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 07/Jul/2024 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	149.597	937.034	1) Gujrat	0.563	18.359
2) Hydro	4.308	43.997	2) Madhya Pradesh	-0.070	19.707
3) Gas	6.573	46.307	3) Chattisgarh	-0.080	9.180
Total MSPGCL	160.478	1027.338	4) Maharashtra	150.072	1048.756
B) 1) APLM	56.304	392.349	5) Goa (Amona)	-1.719	-13.317
2) JSWEL	19.774	136.092	Total	148.766	1082.685
3) VIPL	0.000	0.000	a) Mumbai Schedule	36.981	290.101
4) RPL(AMT)	21.960	168.863	b) Mumbai Drawl	38.563	304.741
5) SWPGPL	12.272	82.749	c) MSEDCL Bilateral *	88.298	691.959
6) Other IPP	12.304	84.659	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	36.981	290.101
C) 1) TPCL Thermal	9.685	82.310	Include PX	0.000	0.000
2) TPCL Hydro	3.595	32.435	Standby	0.000	0.000
3) TPCL Gas	3.221	25.947	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.032	67.535	1) MSEDCL	438.682	3073.955
D) STATE			2) Mumbai Discoms	64.096	512.966
1) Thermal	290.928	1951.591	3) Other Discoms	11.067	78.895
(A1+C1+C4+(B1-B6))			TOTAL STATE	513.845	3665.816
2) Hydro	7.903	76.432			
(A2+C2)					
3) Gas	9.794	72.254			
(A3+B7+C3)					
4) Wind	45.268	385.427			
6) SOLAR	11.186	97.429			
TOTAL STATE	365.079	2583.133			

* 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 16 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	6237	6244	6739	6012
MSPGCL Hydro	223	153	219	148
MSPGCL Gas	272	268	272	279
MSPGCL Total Generation	6732	6665	7230	6439
Central Sector Receipt	6036	6473	6378	5808
WIND	2054	1878	1756	2014
CPP / IPP Thermal	5209	4682	5976	5004
CPP / IPP Gas	0	0	0	0
SOLAR	1058	963	0	0
Exchange with Mumbai	-1496	-1728	-1708	-1418
MSEDCL DEMAND MET	19092	18461	19130	17467
Load Shedding	0	0	0	0
MSEDCL DEMAND	19092	18461	19130	17467
TPCL GENERATION	624	728	732	629
AEML GENERATION	480	310	349	300
MUMBAI DEMAND	2600	2766	2789	2347
OTHER DISCOM DEMAND	501	472	502	380
STATE DEMAND MET	22193	21699	22421	20194
STATE DEMAND	22193	21699	22421	20194
Frequency (Hz)	49.98	49.96	49.95	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.2 Hz at 13:48 Hrs	49.71 Hz at 19:11 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 07/Jul/2024

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.28	27.23	190	163
Unit 8	11.83	81.62	543	420
Unit 9	12.65	82.30	577	414
Unit 10	11.76	34.71	540	380
Total	40.51	225.86		
Bhusawal				
Unit 3	3.21	22.78	160	120
Unit 4	0.00	0.00	0	0
Unit 5	9.86	67.80	465	305
Total	13.07	90.58		
Parli				
Unit 6	3.66	26.98	190	143
Unit 7	3.73	26.91	202	140
Unit 8	3.66	26.44	198	143
Total	11.05	80.34		
Chandrapur				
Unit 3	3.28	14.09	155	124
Unit 4	3.35	23.10	159	132
Unit 5	7.96	54.00	420	270
Unit 6	7.56	53.12	405	270
Unit 7	8.04	36.00	426	289
Unit 8	9.16	61.19	425	292
Unit 9	9.31	66.08	429	320
Total	48.66	307.58		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.22	34.38	244	155
Total	5.22	34.38		
Khaparkheda				
Unit 1	3.24	19.86	165	105
Unit 2	4.17	26.00	200	121
Unit 3	3.32	24.54	168	115
Unit 4	4.20	10.78	189	135
Unit 5	11.41	73.19	495	370
Total	26.35	154.38		
Nasik				
Unit 3	3.34	21.31	158	125
Unit 4	0.00	19.14	0	0
Unit 5	1.40	3.47	137	0
Total	4.74	43.92		
Uran				
All Units	6.57	46.31	279	268
Total	6.57	46.31		
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	0.90	9.74	205	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.00	6.96	0	0
Stage 3	0.62	5.73	104	0
Total	1.52	22.42		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	0.76	0	0
TILLARI	0.00	0.00	0	0
BHIRA T.R.	0.36	2.48	60	0
SMLHY_PTN	2.43	17.06	105	93
GHATGHAR	0.00	1.27	0	0
Total	2.79	21.57		
Wind				
Total	45.27	385.43	0	0
Total	45.27	385.43		
CPP				
APML(Mus)	56.30	392.35	0	0
JSWEL(Mus)	19.77	136.09	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	21.96	168.86	0	0
SWPGPL-Mus	12.27	82.75	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.42	36.72	267	171
Other(Mus)	2.24	14.40	0	0
JPL	4.64	33.55	268	169
Total	122.61	864.71		
SOLAR				
Total	11.19	97.43	0	0
Total	11.19	97.43		
Tata				
Trombay 5	6.32	53.40	339	193
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.90	15.92	108	56
Trombay 7B	1.32	10.02	64	47
TATA Hydro	3.60	32.44	377	51
Trombay 8	3.36	28.91	156	131
Total	16.50	140.69		
AEML				
DTPS U-1&2	9.03	67.54	499	294
Total	9.03	67.54		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	149.60	937.03	MSPGCL Total	160.48	1027.34
			MSPGCL Thml+Gas	156.17	983.34	Koyna 1,2 & 4 Total	0.90	16.70
			MSPGCL Hydro	4.31	44.00	State Total	365.08	2583.13

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 07/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	6093	386	276	6755	2103	5154	0	0	6195	5855	-1678	17755	0	0	17755	2935	434	21124	49.94
2	6165	144	278	6587	2133	5291	0	0	6158	5795	-1536	17859	0	0	17859	2729	411	20999	50.00
3	6071	163	279	6513	2061	5094	0	0	6088	5783	-1535	17544	0	0	17544	2517	372	20433	49.98
4	6012	148	279	6439	2014	5004	0	0	5997	5808	-1418	17467	0	0	17467	2347	380	20194	49.96
5	6317	143	279	6739	2092	5320	0	0	5940	5609	-1378	17999	0	0	17999	2305	383	20687	50.00
6	6699	138	279	7116	2066	5680	0	0	6074	5446	-1305	18573	0	0	18573	2366	430	21369	49.99
7	6580	178	276	7034	2095	5781	0	86	6209	5814	-1392	18957	0	0	18957	2343	461	21761	49.97
8	6230	290	276	6796	1945	5062	0	416	6464	6519	-1500	18764	0	0	18764	2354	474	21592	49.99
9	6273	223	276	6772	1823	4995	0	761	6229	6229	-1438	18660	0	0	18660	2451	482	21593	50.04
10	6237	223	272	6732	2054	5209	0	1058	6369	6036	-1496	19092	0	0	19092	2600	501	22193	49.98
11	5729	222	269	6220	2200	4636	0	1447	7079	6609	-1732	18902	0	0	18902	2733	478	22113	49.94
12	5570	107	271	5948	2054	4253	0	1526	7244	7116	-1838	18588	0	0	18588	2822	471	21881	49.97
13	5378	103	271	5752	1763	4434	0	1421	6762	7246	-1814	18346	0	0	18346	2839	456	21641	50.01
14	5802	102	272	6176	1619	4383	0	1415	6902	6919	-1801	18260	0	0	18260	2808	451	21519	50.08
15	5939	122	269	6330	1540	4376	0	1247	7064	7108	-1805	18345	0	0	18345	2787	451	21583	50.01
16	6244	153	268	6665	1878	4682	0	963	6838	6473	-1728	18461	0	0	18461	2766	472	21699	49.96
17	6297	102	268	6667	2080	4623	0	574	6773	6148	-1645	17968	0	0	17968	2719	479	21166	49.97
18	6337	148	271	6756	1961	4659	0	225	6676	6486	-1654	17929	0	0	17929	2666	504	21099	49.99
19	6714	324	270	7308	2171	5310	0	47	6541	6367	-1842	18838	0	0	18838	2687	523	22048	49.91
20	6739	219	272	7230	1756	5976	0	0	6621	6378	-1708	19130	0	0	19130	2789	502	22421	49.95
21	6494	189	274	6957	1637	5837	0	0	6521	6319	-1630	18618	0	0	18618	2832	502	21952	50.00
22	6662	204	274	7140	1676	5840	0	0	5945	5607	-1598	18169	0	0	18169	2862	496	21527	50.01
23	6556	135	278	6969	1353	5751	0	0	5830	5262	-1513	17338	0	0	17338	2897	484	20719	49.95
24	6459	142	276	6877	1194	5264	0	0	5976	5834	-1579	17117	0	0	17117	2942	473	20532	49.96
MUs	149.60	4.31	6.57	160.48	45.27	122.61	0.00	11.19	154.50	148.77	-38.56	438.68	0.00	0.00	438.68	64.10	11.07	513.84	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 07/Jul/2024

Position as on 6.30 Hrs of 08/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	11/07/2024
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.	Governer Replacement.	27/07/2024
Total Capacity MSPGCL		900						
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		1170						
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	Nasik Unit 5	210	07/07/2024	08:40	07/07/2024	12:22	HP Heater Pressure very High.	
Total Capacity MSPGCL		455						
IPP								
IPP	RPL(AMT) U-5	270	07/07/2024	10:06		Continued.	Due to Bottom Ash Evacuation problem.	10/07/2024
Total Capacity IPP		270						
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		1045						
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	04/07/2024	23:59		Continued.	No Schedule by MSEDCL.	
Total Capacity MSPGCL		216						
IPP								

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 07/Jul/2024

Position as on 6.30 Hrs of 08/Jul/2024

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
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 5	210	01/07/2024	16:56	07/07/2024	08:14	In Case IV Tolling.	
MSPGCL	Nasik Unit 4	210	06/07/2024	14:28		Continued.	For Shifting Tolling on Unit5 which is light up at 16:45 Hrs	
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 07/Jul/2024

Statement-VII

Position as on 6.30 Hrs of 08/Jul/2024

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400 KV MAINBAY Outages/Trippings							
BUS COUPLER @ NAGOTHANE	IntraState	07/07/2024	12:49			EO	To attend Oil leakage problem from B-Ph Accumulator and frequent window indications.
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-1	IntraState	22/04/2024	17:27			T	Tripped on distance protection.
CHANDRAPUR 2 - WARORA CKT-2	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.
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-4A @ DEEPNAGAR	IntraState	26/06/2024	11:13			PO	For E/M for checking, cleaning and oil filtration work at MSPGCL End.
400/220/33 KV 600 MVA ICT - 4 @ PADGHE	IntraState	08/07/2024	02:23	08/07/2024	03:52	PO	1) Oil Top in Yph unit due to Radiator leakage 2) Hot Spot attending work on Rph IV Bushing 102deg 3) Replacement of faulty YpH WTI 4) premonsoon maint work
400/220/20 KV 100 MVA SPARE BHEL ICT @ KORADI	IntraState	08/07/2024	08:15			PO	Retrofitting of old Static (EM) CDD type HV Backup protection relay by New Siemens make 7SJ6621
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
PANVEL TSS - KHANDESHWAR	IntraState	15/06/2024	14:30	07/07/2024	18:51	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)

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 07/Jul/2024

Statement-VII

Position as on 6.30 Hrs of 08/Jul/2024

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
ALEPHATA-PARGAON(KATHAPUR)	IntraState	02/07/2024	14:56			HT	For controlling loading of Kharghar - Talegaon PG.
MAHAPE - TFIPL	IntraState	04/07/2024	10:07	08/07/2024	01:53	PO	Retrofitting of relays at both location TFIPL & Mahape and charging for the work of newly proposed 220kV GIS S/stn of M/s STT Data Centre.
KHARGHAR - WAGHIVALI CKT - 1	IntraState	06/07/2024	20:24	07/07/2024	00:41	PO	For Replacement of old Backup relay with numerical relay
DAHANU - VERSOVA	IntraState	07/07/2024	00:43	07/07/2024	01:05	EO	FOR SAFETY PURPOSE WHILE REMOVAL OF INTERNET CABLE IN INDUCTION ZONE OF LINE ON REQUEST OF MIRA BHAYANDER MUNICIPAL CORPORATION FIRE BRIGADE TEAM
TROMBAY - MULUND	IntraState	07/07/2024	02:53	07/07/2024	11:36	T	Distance Protection
VIKHROLI (GIS) - SAKI 7	IntraState	07/07/2024	09:18	07/07/2024	16:14	PO	DEFECTIVE POLYMER INSULATOR REPLACEMENT
TOPWORTH - Vile - bhagad	IntraState	07/07/2024	10:11	07/07/2024	12:20	PO	Outage tree cutting work and other line maintenance work.
PEDAMBE-KALAMBANI(TSS)	IntraState	07/07/2024	13:12	07/07/2024	21:50	EO	For replacement of tower cross arm of all phases at loc no. 96.
ADLABS - PEDAMBE	IntraState	07/07/2024	14:19	07/07/2024	22:07	EO	For replacement of tower cross arm of all phases at loc no. 96.
220KV BHUGAON-WARORA(400KV) CKT 1	IntraState	07/07/2024	18:10	07/07/2024	19:41	T	AT W E=R PH, IF=1.8KA, D=77.5KM, Z1, AT B E= R PH, IF=12.46KA, D=7.3KM.
NEW KOYNA - PEDAMBE	IntraState	08/07/2024	08:47			PO	R Phase Line side isolator to breaker conductor strand broken. same needs to be replace.
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
132 KV LINE Outages/Trippings							
NARAYANGAON-VIGHANHAR	IntraState	02/07/2024	16:17			HT	For controlling loading of Kharghar - Talegaon PG.
110 KV LINE Outages/Trippings							
WAGHIVALI - CHEMBUR	IntraState	07/07/2024	09:08	07/07/2024	19:05	PO	INSULATOR REPLACEMENT

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