

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 13/Jul/2024 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	131.008	1791.762	1) Gujrat	-0.254	16.724
2) Hydro	3.622	82.211	2) Madhya Pradesh	-0.619	24.052
3) Gas	6.512	84.984	3) Chattisgarh	-0.090	11.360
Total MSPGCL	141.142	1958.957	4) Maharashtra	145.259	1948.095
B) 1) APLM	52.672	750.590	5) Goa (Amona)	-1.968	-24.217
2) JSWEL	19.300	253.770	Total	142.328	1976.014
3) VIPL	0.000	0.000	a) Mumbai Schedule	28.877	476.227
4) RPL(AMT)	24.026	295.562	b) Mumbai Drawl	33.142	516.592
5) SWPGPL	11.777	155.137	c) MSEDCL Bilateral *	97.943	1202.795
6) Other IPP	12.429	160.082	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	28.877	476.227
C) 1) TPCL Thermal	11.382	152.950	Include PX	0.000	0.000
2) TPCL Hydro	4.083	61.725	Standby	0.000	0.000
3) TPCL Gas	4.128	49.825	H) ENERGY CATERED (MUs)		
4) AEML Thermal	8.533	125.754	1) MSEDCL	427.939	5685.918
D) STATE			2) Mumbai Discoms	61.268	906.844
1) Thermal	271.127	3685.607	3) Other Discoms	11.164	147.045
(A1+C1+C4+(B1-B6))			TOTAL STATE	500.371	6739.807
2) Hydro	7.705	143.936			
(A2+C2)					
3) Gas	10.640	134.809			
(A3+B7+C3)					
4) Wind	54.657	613.091			
6) SOLAR	13.914	186.352			
TOTAL STATE	358.043	4763.795			

* 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	5419	4755	6019	5662
MSPGCL Hydro	123	134	315	130
MSPGCL Gas	265	266	332	271
MSPGCL Total Generation	5807	5155	6666	6063
Central Sector Receipt	6946	6414	5468	5284
WIND	2334	2729	2443	2092
CPP / IPP Thermal	4868	4416	6242	4640
CPP / IPP Gas	0	0	0	0
SOLAR	1414	1234	0	0
Exchange with Mumbai	-1763	-1648	-1221	-1077
MSEDCL DEMAND MET	19099	17821	19092	16616
Load Shedding	0	0	0	0
MSEDCL DEMAND	19099	17821	19092	16616
TPCL GENERATION	721	815	1121	608
AEML GENERATION	292	364	469	305
MUMBAI DEMAND	2776	2827	2811	1990
OTHER DISCOM DEMAND	507	479	506	386
STATE DEMAND MET	22382	21127	22409	18992
STATE DEMAND	22382	21127	22409	18992
Frequency (Hz)	50.07	49.98	50.01	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.3 Hz at 09.58 Hrs	49.79 Hz at 09.05 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 13/Jul/2024

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.05	52.02	187	130
Unit 8	10.73	148.70	578	375
Unit 9	10.23	151.11	504	351
Unit 10	11.26	104.25	540	400
Total	36.27	456.08		
Bhusawal				
Unit 3	3.18	42.68	175	115
Unit 4	0.00	0.00	0	0
Unit 5	8.94	126.73	470	290
Total	12.13	169.42		
Parli				
Unit 6	3.70	50.66	205	142
Unit 7	3.71	50.00	212	115
Unit 8	3.63	49.25	186	134
Total	11.04	149.91		
Chandrapur				
Unit 3	3.24	33.16	148	124
Unit 4	3.34	42.87	163	125
Unit 5	7.59	102.25	400	260
Unit 6	7.26	99.46	390	265
Unit 7	7.65	83.60	426	273
Unit 8	8.54	115.86	413	270
Unit 9	0.00	88.09	0	0
Total	37.62	565.28		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	4.54	63.16	229	148
Total	4.54	63.16		
Khaparkheda				
Unit 1	3.45	40.62	160	115
Unit 2	3.90	50.21	201	115
Unit 3	2.10	45.33	171	0
Unit 4	3.87	35.20	189	130
Unit 5	10.65	137.29	495	305
Total	23.97	308.64		
Nasik				
Unit 3	2.26	28.42	140	0
Unit 4	0.00	26.89	0	0
Unit 5	3.18	23.96	149	124
Total	5.44	79.27		
Uran				
All Units	6.51	84.98	332	262
Total	6.51	84.98		
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	0.67	16.16	65	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.00	15.41	0	0
Stage 3	0.36	11.54	80	0
Total	1.03	43.11		
Hydro				
KDPH	0.00	0.05	0	0
VTRNA	0.00	1.01	0	0
TILLARI	0.10	0.10	60	0
BHIRA T.R.	0.42	4.54	40	0
SMLHY_PTN	1.94	30.62	91	63
GHATGHAR	0.13	2.78	107	0
Total	2.59	39.10		
Wind				
Total	54.66	613.09	0	0
Total	54.66	613.09		
CPP				
APML(Mus)	52.67	750.59	0	0
JSWEL(Mus)	19.30	253.77	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	24.03	295.56	0	0
SWPGPL-Mus	11.78	155.14	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.30	69.62	268	171
Other(Mus)	2.22	27.25	0	0
JPL	4.91	63.21	271	169
Total	120.20	1615.14		
SOLAR				
Total	13.91	186.35	0	0
Total	13.91	186.35		
Tata				
Trombay 5	7.45	99.56	411	263
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.59	30.81	108	108
Trombay 7B	1.54	19.02	64	64
TATA Hydro	4.08	61.72	367	37
Trombay 8	3.94	53.38	225	132
Total	19.59	264.50		
AEML				
DTPS U-1&2	8.53	125.75	495	292
Total	8.53	125.75		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	131.01	1791.76	MSPGCL Total	141.14	1958.96
			MSPGCL Thml+Gas	137.52	1876.75	Koyna 1,2 & 4 Total	0.67	31.57
			MSPGCL Hydro	3.62	82.21	State Total	358.04	4763.80

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 13/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	5493	132	269	5894	1946	4837	0	0	5664	5679	-1193	16725	0	0	16725	2334	438	19497	50.05
2	5422	122	272	5816	1949	4770	0	0	5615	5571	-1108	16586	0	0	16586	2177	412	19175	50.00
3	5576	131	272	5979	2048	4631	0	0	5748	5597	-1095	16785	0	0	16785	2063	375	19223	50.00
4	5662	130	271	6063	2092	4640	0	0	5817	5284	-1077	16616	0	0	16616	1990	386	18992	50.02
5	5700	126	271	6097	1871	4746	0	0	5906	5839	-1072	17095	0	0	17095	1985	386	19466	49.93
6	6082	126	271	6479	1919	5191	0	0	6146	6117	-1116	18157	0	0	18157	2076	433	20666	49.98
7	6246	111	271	6628	1692	5960	0	111	6249	6051	-1175	18803	0	0	18803	2155	464	21422	49.96
8	6032	172	268	6472	2002	5632	0	432	6538	6062	-1316	18805	0	0	18805	2298	479	21582	50.03
9	5693	119	269	6081	1954	5293	0	1000	6675	6801	-1475	19166	0	0	19166	2514	488	22168	49.95
10	5419	123	265	5807	2334	4868	0	1414	7058	6946	-1763	19099	0	0	19099	2776	507	22382	50.07
11	4830	166	265	5261	2529	4378	0	1605	7331	7082	-1887	18485	0	0	18485	2986	483	21954	50.09
12	4699	166	267	5132	2551	4253	0	1748	6992	6859	-1895	18171	0	0	18171	3021	477	21669	50.03
13	4903	167	267	5337	2582	4214	0	1734	6147	6068	-1858	17616	0	0	17616	2984	461	21061	50.03
14	4655	167	269	5091	2694	4166	0	1736	5859	5891	-1730	17392	0	0	17392	2847	456	20695	50.03
15	4744	170	265	5179	2626	4154	0	1493	6091	6022	-1690	17328	0	0	17328	2827	456	20611	49.93
16	4755	134	266	5155	2729	4416	0	1234	6836	6414	-1648	17821	0	0	17821	2827	479	21127	49.98
17	4948	110	264	5322	2666	4470	0	859	6626	6161	-1637	17359	0	0	17359	2770	482	20611	49.91
18	4983	91	263	5337	2656	4662	0	471	6703	6496	-1535	17578	0	0	17578	2747	509	20834	49.91
19	5774	215	263	6252	2496	5460	0	77	6282	5915	-1483	18191	0	0	18191	2798	526	21515	50.03
20	6019	315	332	6666	2443	6242	0	0	6368	5468	-1221	19092	0	0	19092	2811	506	22409	50.01
21	5769	218	301	6288	2367	6029	0	0	5781	5789	-1198	18770	0	0	18770	2724	505	21999	50.01
22	5858	148	262	6268	2271	5821	0	0	5315	5005	-1077	17789	0	0	17789	2638	499	20926	50.02
23	5860	150	264	6274	2159	5659	0	0	5145	4945	-948	17602	0	0	17602	2538	487	20627	50.03
24	5886	113	265	6264	2081	5712	0	0	5192	4266	-945	16905	0	0	16905	2382	473	19760	50.04
MUs	131.01	3.62	6.51	141.14	54.66	120.20	0.00	13.91	148.08	142.33	-33.14	427.94	0.00	0.00	427.94	61.27	11.16	500.37	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 13/Jul/2024

Position as on 6.30 Hrs of 14/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
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	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		Continued.	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	10/07/2024	21:00	13/07/2024	19:12	Due to Zero schedule given 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 13/Jul/2024

Position as on 6.30 Hrs of 14/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		324						
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		624						
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 13/Jul/2024

Statement-VII

Position as on 6.30 Hrs of 14/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.
AURANGABAD(MS) - PUNE (GIS) CKT - 1	IntraState	11/07/2024	11:57			HT	For load management
KHADKA-AURANGABAD (WALUJ)	IntraState	12/07/2024	01:56	13/07/2024	06:40	HT	For controlled overvoltage
JAIGAD - KARAD CKT - 1	IntraState	13/07/2024	01:26	13/07/2024	06:47	HT	HIGH VOLTAGE
JAIGAD - KARAD CKT - 1	IntraState	13/07/2024	01:26	13/07/2024	06:47	HT	Over voltage.
DABHOL - NEW KOYNA CKT - 1	IntraState	13/07/2024	03:05	13/07/2024	04:38	T	Tripped from Dabhol end only and AR successful from New Koyana end.
DEEPNAGAR - THAPTI TANDA	IntraState	13/07/2024	06:52	13/07/2024	10:13	EO	replacement of 09 numbers of broken discs at location number 180
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
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

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 13/Jul/2024

Statement-VII

Position as on 6.30 Hrs of 14/Jul/2024

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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.
GHATGHAR - BAPGAON	IntraState	13/07/2024	06:23	13/07/2024	11:45	PO	For safety purpose during installation of supporting members on cross arms of newly erected monopoles in b/w TL No. 629-633.
220 KV KAULEWADA-KORADI 2 CKT - I	IntraState	13/07/2024	07:02	13/07/2024	16:31	PO	For fixing of Bird flight Divertor
TALANDGE - HAMIDWADA	IntraState	13/07/2024	07:11	13/07/2024	09:17	EO	replacement of flashover string loc. 87
MALEGAON-SATANA	IntraState	13/07/2024	08:43	13/07/2024	14:55	PO	outage propose for replacement of faulty disc insulator string found in PID testing at various location
PEDAMBE-KALAMBANI(TSS)	IntraState	13/07/2024	09:05	13/07/2024	15:33	PO	B phase CT to Gantry conductor unwound near CT clamp needs to be replaced.
URAN - APTA 4	IntraState	13/07/2024	10:59	13/07/2024	15:29	PO	Replacement of damaged Jumper at loc no 7, 25 & 60
MUMEWADI -HALKARNI 2 LINE	IntraState	13/07/2024	11:49	13/07/2024	17:17	PO	Attending hot spot and jump,and pId faulty string
EKLAHARE (GCR) - GHATGHAR	IntraState	13/07/2024	13:15	13/07/2024	18:00	EO	R Phase CT leakage attending work.
EKLAHARE (OCR) - PADGHE	IntraState	13/07/2024	17:30			HT	For load management
TROMBAY MSETCL TIE - 2	IntraState	14/07/2024	11:15	14/07/2024	18:20	PO	Replacement of faulty OPGW in span 9-8
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).
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