

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 30/Jul/2023 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	104.798	3780.646	1) Gujrat	6.299	80.095
2) Hydro	8.507	218.680	2) Madhya Pradesh	1.415	102.158
3) Gas	0.000	1.438	3) Chattisgarh	1.080	64.380
Total MSPGCL	113.305	4000.764	4) Maharashtra	148.948	4824.164
B) 1) APML	40.031	1594.234	5) Goa (Amona)	-1.362	-31.275
2) JSWEL	16.834	588.968	Total	156.380	5039.522
3) VIPL	0.000	0.000	a) Mumbai Schedule	27.028	1014.861
4) RPL(AMT)	23.255	709.223	b) Mumbai Drawl	29.020	1112.288
5) SWPGPL	6.409	244.722	c) MSEDCL Bilateral *	87.307	2626.063
6) Other IPP	5.378	187.579	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	27.028	1014.002
C) 1) TPCL Thermal	11.222	261.023	Include PX	0.000	0.000
2) TPCL Hydro	3.374	139.845	Standby	0.000	0.859
3) TPCL Gas	2.434	91.815	H) ENERGY CATERED (MUs)		
4) AEML Thermal	8.688	263.062	1) MSEDCL	382.079	12642.203
D) STATE			2) Mumbai Discoms	54.738	1868.035
1) Thermal	216.615	7629.457	3) Other Discoms	9.331	294.048
(A1+C1+C4+(B1-B6))			TOTAL STATE	446.148	14804.286
2) Hydro (A2+C2)	11.881	358.525			
3) Gas (A3+B7+C3)	2.434	93.253			
4) Wind	47.972	1401.792			
6) SOLAR	10.866	281.735			
TOTAL STATE	289.768	9764.762			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 9 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	4730	3641	4719	4700
MSPGCL Hydro	369	291	773	364
MSPGCL Gas	0	0	0	0
MSPGCL Total Generation	5099	3932	5492	5064
Central Sector Receipt	7882	6571	6571	5485
WIND	1805	2433	2021	1652
CPP / IPP Thermal	3672	3424	4687	3672
CPP / IPP Gas	0	0	0	0
SOLAR	761	1296	0	0
Exchange with Mumbai	-1300	-1611	-1083	-928
MSEDCL DEMAND MET	17513	15645	17277	14610
Load Shedding	0	0	0	0
MSEDCL DEMAND	17513	15645	17277	14610
TPCL GENERATION	603	690	901	646
AEML GENERATION	321	301	492	344
MUMBAI DEMAND	2224	2602	2476	1918
OTHER DISCOM DEMAND	406	400	411	335
STATE DEMAND MET	20143	18647	20164	16863
STATE DEMAND	20143	18647	20164	16863
Frequency (Hz)	50.05	50.26	49.94	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.42 Hz at 13.01 Hrs	49.7 Hz at 19.12 Hrs	50.03	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 30/Jul/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.30	105.22	155	110
Unit 8	12.02	309.69	605	367
Unit 9	11.35	350.29	529	370
Unit 10	0.00	111.14	0	0
Total	26.67	876.33		
Bhusawal				
Unit 3	2.90	85.58	135	110
Unit 4	8.65	277.22	445	280
Unit 5	9.01	287.89	475	275
Total	20.57	650.69		
Parli				
Unit 6	0.00	40.92	0	0
Unit 7	0.00	58.73	0	0
Unit 8	0.00	40.95	0	0
Total	0.00	140.61		
Chandrapur				
Unit 3	0.00	62.34	0	0
Unit 4	0.00	63.76	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	191.18	0	0
Unit 7	5.85	219.54	274	228
Unit 8	9.32	288.16	447	280
Unit 9	9.90	299.73	459	295
Total	25.07	1124.70		
Paras				
Unit 3	3.64	106.57	181	125
Unit 4	3.45	126.37	171	101
Total	7.09	232.94		
Khaparkheda				
Unit 1	0.24	0.25	70	0
Unit 2	2.73	79.03	124	101
Unit 3	3.40	112.68	165	128
Unit 4	3.58	109.85	184	124
Unit 5	8.96	248.57	430	280
Total	18.91	550.37		
Nasik				
Unit 3	3.32	94.11	168	118
Unit 4	0.00	64.84	0	0
Unit 5	3.18	46.06	167	114
Total	6.49	205.01		
Uran				
All Units	0.00	1.44	0	0
Total	0.00	1.44		
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)	1.17	6.14	50	40
Total	1.17	6.14		
Koyna				
Stage 1-2	1.34	54.65	290	35

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.16	9.49	122	0
Stage 3	0.68	32.80	80	0
Total	2.19	96.94		
Hydro				
KDPH	0.72	4.09	36	18
VTRNA	0.00	0.64	0	0
TILLARI	0.00	1.16	0	0
BHIRA T.R.	0.42	13.19	80	0
SMLHY_PTN	4.01	90.15	174	161
GHATGHAR	0.00	6.36	0	0
Total	5.15	115.60		
Wind				
Total	47.97	1401.79	0	0
Total	47.97	1401.79		
CPP				
APML(Mus)	40.03	1594.23	0	0
JSWEL(Mus)	16.83	588.97	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	23.26	709.22	0	0
SWPGPL-Mus	6.41	244.72	0	0
Dhariwal	0.00	0.00	0	0
IEPL	4.12	149.51	201	152
Other(Mus)	1.26	38.07	0	0
Total	91.91	3324.73		
SOLAR				
Total	10.87	281.74	0	0
Total	10.87	281.74		
Tata				
Trombay 5	7.04	149.23	348	264
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.40	55.36	108	39
Trombay 7B	1.04	36.45	65	35
TATA Hydro	3.37	139.84	253	73
Trombay 8	4.18	111.80	219	129
Total	17.03	492.68		
AEML				
DTPS U-1&2	8.69	263.06	500	282
Total	8.69	263.06		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	104.80	3780.65	MSPGCL Total	113.30	4000.76
			MSPGCL Thml+Gas	104.80	3782.08	Koyna 1,2 & 4 Total	1.50	64.14
			MSPGCL Hydro	8.51	218.68	State Total	289.77	9764.76

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 30/Jul/2023

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	4522	371	0	4893	1716	3707	0	0	5928	5880	-1015	14808	0	0	14808	2164	373	17345	49.99
2	4607	366	0	4973	1713	3644	0	0	5814	5630	-918	14689	0	0	14689	2024	353	17066	50.01
3	4700	364	0	5064	1652	3672	0	0	5651	5485	-928	14610	0	0	14610	1918	335	16863	50.00
4	4724	296	0	5020	1568	3713	0	0	5776	5661	-899	14755	0	0	14755	1856	308	16919	50.00
5	4768	286	0	5054	1665	3797	0	0	6296	5916	-886	15219	0	0	15219	1849	327	17395	50.02
6	4835	291	0	5126	1813	4104	0	0	6908	6603	-938	16345	0	0	16345	1934	363	18642	50.02
7	4818	286	0	5104	1534	4228	0	72	7522	7287	-1002	16822	0	0	16822	1978	401	19201	49.97
8	4740	363	0	5103	1626	3917	0	398	8034	7631	-1175	17111	0	0	17111	2062	389	19562	50.02
9	4730	369	0	5099	1805	3672	0	761	7976	7882	-1300	17513	0	0	17513	2224	406	20143	50.05
10	4462	322	0	4784	1915	3684	0	1079	7827	7677	-1436	17307	0	0	17307	2397	396	20100	50.08
11	4143	288	0	4431	2082	3508	0	1241	7659	7532	-1581	16815	0	0	16815	2542	398	19755	50.09
12	3741	336	0	4077	2237	3648	0	1241	7368	7475	-1596	16690	0	0	16690	2599	392	19681	50.05
13	3641	291	0	3932	2433	3424	0	1296	6739	6571	-1611	15645	0	0	15645	2602	400	18647	50.26
14	3566	291	0	3857	2351	3123	0	1308	6507	6683	-1559	15368	0	0	15368	2515	395	18278	50.26
15	3519	317	0	3836	2513	3174	0	1254	6465	6366	-1477	15266	0	0	15266	2455	400	18121	50.10
16	3539	338	0	3877	2834	3165	0	1061	6606	6350	-1415	15452	0	0	15452	2407	420	18279	50.03
17	3543	274	0	3817	2663	3253	0	738	6708	6454	-1381	15123	0	0	15123	2366	421	17910	50.01
18	3918	309	0	4227	2647	3466	0	339	6473	6324	-1335	15249	0	0	15249	2327	419	17995	49.94
19	4557	363	0	4920	2235	3930	0	78	6647	6322	-1196	15867	0	0	15867	2353	422	18642	49.95
20	4719	773	0	5492	2021	4687	0	0	6806	6571	-1083	17277	0	0	17277	2476	411	20164	49.94
21	4714	431	0	5145	1720	4999	0	0	6547	6409	-1039	16829	0	0	16829	2501	405	19735	49.98
22	4712	474	0	5186	1689	5016	0	0	6225	5969	-1044	16405	0	0	16405	2474	411	19290	49.96
23	4762	356	0	5118	1750	4427	0	0	6195	5758	-1090	15566	0	0	15566	2401	397	18364	49.97
24	4818	352	0	5170	1790	3949	0	0	5881	5944	-1116	15349	0	0	15349	2314	388	18051	50.02
MUs	104.80	8.51	0.00	113.30	47.97	91.91	0.00	10.87	160.56	156.38	-29.02	382.08	0.00	0.00	382.08	54.74	9.33	446.15	50.03

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 30/Jul/2023

Position as on 6.30 Hrs of 31/Jul/2023

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
IPP	RPL(AMT) U-3	270	13/06/2023	00:01		Continued.	Annual Overhaul	04/08/2023
IPP	JSW (J) U3	300	07/07/2023	09:06		Continued.	Annual Overhaul	08/08/2023
MSPGCL	Koyna Unit 11	80	10/07/2023	09:40		Continued.	COH	07/12/2023
MSPGCL	Koradi Unit-10	660	11/07/2023	00:45		Continued.	Capital Overhaul.	16/08/2023
MSPGCL	Koyna Unit 8	80	11/07/2023	08:05		Continued.	COH	23/09/2023
IPP	Adani U-1	660	16/07/2023	00:00		Continued.	Annual Overhaul	07/08/2023
FORCED OUTAGE								
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule (NO PPA)	
PGPL	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)	
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.	01/04/2024
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.	01/05/2024
MSPGCL	Ghatghar Unit-1	125	20/04/2022	00:35		Continued.	Stator Earth Fault	31/07/2023
MSPGCL	Uran Unit A0	120	07/09/2022	16:30		Continued.	TURBINE TRIPPED ON HIGH VIBRATIONS	23/08/2023
MSPGCL	Uran Unit 5	108	12/11/2022	13:23		Continued.	Major overhauled.	05/10/2023
MSPGCL	Chandrapur Unit 5	500	22/05/2023	19:00		Continued.	Stator Earth Fault	16/08/2023
MSPGCL	Koyna STG-IV Unit-1	250	05/06/2023	16:30		Continued.	The KGSC Stg-4 Unit No-1(250MW) not available due to foreign material impact at Guide vane no 4	18/09/2023
MSPGCL	Uran Unit 8	108	24/06/2023	10:05		Continued.	Compressor Surge Protection	15/08/2023
MSPGCL	Uran Unit B0	120	24/06/2023	19:01		Continued.	On RR end bearing high vibrations	12/08/2023
MSPGCL	Nasik Unit 4	210	19/07/2023	10:50		Continued.	ID Fan Problem(under tolling from 06.04 Hrs DT. 20-7-2023)	
IPP	SWPGPL U-3	135	21/07/2023	01:54		Continued.	Non-availability of linkage coal stock and due to continuous rains.	31/07/2023
MSPGCL	Parli Unit 6	250	21/07/2023	23:44		Continued.	BTL,(Converted into Zero schedule wef 23:00hrs dated 23.07.23)	
MSPGCL	Chandrapur Unit 4	210	27/07/2023	03:00		Continued.	DUE TO HPT DIFFERENTIAL EXPANSION ON HIGHER SIDE	22/08/2023
MSPGCL	Chandrapur Unit 6	500	27/07/2023	14:40		Continued.	PA Header pressure Low	01/08/2023
MSPGCL	Uran Unit 6	108	27/07/2023	20:10		Continued.	No Schedule	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 30/Jul/2023

Position as on 6.30 Hrs of 31/Jul/2023

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Chandrapur Unit 3	210	27/07/2023	22:09		Continued.	Boiler Tube Leakage	31/07/2023
MSPGCL	Parli Unit 7	250	28/07/2023	15:30		Continued.	No Schedule.	
MSPGCL	Parli Unit 8	250	28/07/2023	21:07		Continued.	No Schedule.	
MSPGCL	Khaparkheda Unit 1	210	29/07/2023	13:24	30/07/2023	19:18	Turbine Vibration	30/07/2023

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Jul/2023

Statement-VII

Position as on 6.30 Hrs of 31/Jul/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV LINE Outages/Trippings							
TIRODA - KORADI 3 CKT - 2	IntraState	30/07/2023	09:34	30/07/2023	20:32	HT	H/T outage for installation of bird flight diverter
765 KV ICT Outages/Trippings							
765KV/21KV GT - 1 @ TIRORA	IntraState	16/07/2023	10:20			PO	Annual Maintenance, Testing and Painting of Transformer. Annual maintenance of main bay and tie bay equipments.
400 KV TIEBAY Outages/Trippings							
TIE BAY - 411 OF WARDHA PGCIL @ KORADI 2	IntraState	23/06/2023	01:22			PO	Diagnostic testing of Circuit Breaker & Current transformer Routine nut bolt tightening
400 KV LINE Outages/Trippings							
TALANDGE - KOLHAPUR (PG) CKT - 2	InterState	20/03/2023	07:49			PO	For reconductoring of Moose conductor with HTLS conductor for sytem improvement. AR to be kept in non Auto mode for 400KV-KOLHAPUR-MS-KOLHAPUR GIS -1
JAIGAD - KARAD CKT - 1	IntraState	30/07/2023	00:10	30/07/2023	08:54	HT	For voltage management
KHADKA-AURANGABAD (WALUJ)	IntraState	30/07/2023	00:10	30/07/2023	08:55	HT	For voltage management
KHARGHAR - TALEGAON (PG)	IntraState	30/07/2023	08:15	30/07/2023	16:12	EO	For replacement of faulty insulator at Loc no. 34 in hilly area
KHADKA-AURANGABAD (WALUJ)	IntraState	30/07/2023	13:08	31/07/2023	07:15	HT	H/T For voltage management.
PARLI - KARJAT CKT - 1	IntraState	30/07/2023	16:40	30/07/2023	18:18	HT	Line taken out to take in service non-switchable reactor
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.
400/220/33 KV 167 MVA SPARE ICT @ KHAPARKHEDA	IntraState	14/07/2023	12:08			PO	Ongoing work of Rapid Restoration Scheme (RRS) For spare ICT
400/220/33 KV 315 MVA ICT - 2 @ PADGHE	IntraState	17/07/2023	13:04			PO	1.Replacement of HV CB under LES Scheme. 2.ICT will be in service through TBC.
400/220 KV 500MVA ICT - 4 @ KALWA	IntraState	30/07/2023	14:07	30/07/2023	17:25	EO	To solve LV CB 52X-IV relay flickering issue by testing unit.
400/220/33 KV 500 MVA ICT - 1 @ JEJURI	IntraState	30/07/2023	19:21	30/07/2023	23:24	EO	To clean IPS tertiary bushings and IPS supporting insulators and for checking of Tertiary PT connections in view of persistent NDR alarm
400/220/33 KV 500 MVA ICT - 3 @ DHULE	IntraState	31/07/2023	09:47			PO	IPS tube erection & other pending work under RRS scheme for ICT-3
400/220/33 KV 315 MVA ICT - 2 @ KOLHAPUR	IntraState	31/07/2023	10:00			PO	C&Tan Delta testing of Bushing & winding
400/220KV 167 MVA SPARE ICT @ DHULE	IntraState	31/07/2023	10:03			PO	IPS tube erection work of 400/220KV ICT-3 pending under RRS Scheme
220 KV LINE Outages/Trippings							
EKLAHARE (OCR) - NAVASARI CKT - 2	IntraState	24/05/2023	09:21			HT	H/T to control line loading
EKLAHARE (OCR) - PADGHE	IntraState	22/07/2023	21:09			HT	As per usual practice line is H/T
VERSOVA - GHODBUNDER	IntraState	29/07/2023	18:26			EO	For attending SF6 Gas pressure low alarm on CB452

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Jul/2023

Statement-VII

Position as on 6.30 Hrs of 31/Jul/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
MAIN BUS SECTION - 1 @ PEDAMBE	IntraState	30/07/2023	09:20	30/07/2023	19:00	PO	To attend defects of main bus sides of Kalambani and Pophali 1 line as well as conductor replacement of all three lines of main bus section 1 with higher configuration.
TROMBAY - KALWA	IntraState	30/07/2023	16:22	30/07/2023	19:56	PO	Outage is required for safety purpose by M/s KVTL during stringing of 400KV Khargar-Vikhroli line between loc no. AP 43- AP 43 & 45-46 by M/s KVTL.
TROMBAY - MULUND	IntraState	30/07/2023	16:35	30/07/2023	19:57	PO	Outage is required for safety purpose by M/s KVTL during stringing of 400KV Khargar-Vikhroli line between loc no. AP 43- AP 43 & 45-46 by M/s KVTL.
KARANJADE - WAGHIVALI 8	IntraState	30/07/2023	23:09	31/07/2023	01:30	PO	FOR PROTECTION TESTING
WAGHIVALI - DHARAVI 8	IntraState	31/07/2023	01:34	31/07/2023	02:48	PO	FOR PROTECTION TESTING
LONAND - KANDALGAON (SONA ALLOY TAP)	IntraState	31/07/2023	09:05			PO	Replacement of damaged conductor at cut point locations
KHAREPATAN -PAWAS LINE	IntraState	31/07/2023	09:30			PO	Auto-Reclose Relay configuration and Relay testing for 220kV Pawas-Kharepatan Line at 220kV Kharepatan S/s by Testing Unit Ratnagiri.
220 KV ICT Outages/Trippings							
220 / 110 / 22kV 250 MVA ICT 1 @ SALSETTE	IntraState	12/10/2020	11:35			T	Tripped due to Grid disturbance.
220/132 KV 100 MVA ICT - 1 @ ALEPHATA	IntraState	29/07/2023	13:14	30/07/2023	04:34	T	Tripped on OLTC bucholz relay
220/33KV 50MVA PTR 1 @ 5 STAR MIDC, KAGAL	IntraState	31/07/2023	10:50			PO	for hotspot attending work
220 KV BUSBAR Outages/Trippings							
220KV AUXILLARY BUS @ BAMBHORI	IntraState	26/07/2023	15:03			T	Avoid mal operation of Aux bus zone, Blocking of busbar relay for aux bus zone is required.
132 KV LINE Outages/Trippings							
RISOD-YELDARI	IntraState	20/04/2023	17:57			HT	TO CONTROL LOADING ON RISOD - MALEGAON CKT
110 KV LINE Outages/Trippings							
SALSETTE POWAI	IntraState	27/03/2023	11:04			PO	Replacement of tower number 77 & 78 for TDS project work.

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