

State Load Despatch Center,Airoli (MSETCL) Statement I
Daily system Report for 05/Jul/2023 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	149.449	732.030	1) Gujrat	1.690	-16.001
2) Hydro	5.381	32.619	2) Madhya Pradesh	3.080	26.112
3) Gas	0.000	0.000	3) Chattisgarh	2.030	9.810
Total MSPGCL	154.830	764.649	4) Maharashtra	180.317	829.687
B) 1) APLM	66.080	327.104	5) Goa (Amona)	-1.173	-5.703
2) JSWEL	19.286	94.514	Total	185.944	843.905
3) VIPL	0.000	0.000	a) Mumbai Schedule	37.561	176.008
4) RPL(AMT)	24.707	125.380	b) Mumbai Drawl	41.531	194.697
5) SWPGPL	9.072	43.714	c) MSEDCL Bilateral *	81.056	421.962
6) Other IPP	6.568	33.751	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	37.547	175.210
C) 1) TPCL Thermal	3.878	22.257	Include PX	0.000	0.000
2) TPCL Hydro	6.538	30.127	Standby	0.015	0.798
3) TPCL Gas	4.125	19.503	H) ENERGY CATERED (MUs)		
4) AEML Thermal	8.817	44.999	1) MSEDCL	445.703	2209.365
D) STATE			2) Mumbai Discoms	64.889	311.583
1) Thermal	287.857	1423.749	3) Other Discoms	9.756	49.153
(A1+C1+C4+(B1-B6))			TOTAL STATE	520.348	2570.101
2) Hydro	11.919	62.746			
3) Gas	4.125	19.503			
4) Wind	20.131	160.488			
6) SOLAR	10.372	59.710			
TOTAL STATE	334.404	1726.196			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 11 Hrs	B. Day Peak at 17 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	6316	6200	6191	6334
MSPGCL Hydro	236	204	430	214
MSPGCL Gas	0	0	0	0
MSPGCL Total Generation	6552	6404	6621	6548
Central Sector Receipt	9069	8274	7764	5999
WIND	501	1559	1564	643
CPP / IPP Thermal	4929	5059	5540	5307
CPP / IPP Gas	0	0	0	0
SOLAR	1280	637	0	0
Exchange with Mumbai	-2257	-2166	-1811	-1164
MSEDCL DEMAND MET	19633	19327	19241	17015
Load Shedding	0	0	0	0
MSEDCL DEMAND	19633	19327	19241	17015
TPCL GENERATION	510	592	688	539
AEML GENERATION	472	300	459	305
MUMBAI DEMAND	3239	3058	2958	2008
OTHER DISCOM DEMAND	441	440	437	318
STATE DEMAND MET	23313	22825	22636	19341
STATE DEMAND	23313	22825	22636	19341
Frequency (Hz)	50.11	50.01	50.06	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.22 Hz at 10.41 Hrs	49.77 Hz at 14.57 Hrs	50.01	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 05/Jul/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.12	19.97	180	155
Unit 8	12.84	63.41	588	482
Unit 9	13.48	61.68	590	530
Unit 10	12.01	60.14	513	480
Total	42.45	205.20		
Bhusawal				
Unit 3	3.22	16.14	140	115
Unit 4	10.28	50.36	460	395
Unit 5	10.98	52.76	485	320
Total	24.48	119.26		
Parli				
Unit 6	4.20	4.45	246	120
Unit 7	0.00	0.00	0	0
Unit 8	0.00	0.00	0	0
Total	4.20	4.45		
Chandrapur				
Unit 3	3.60	17.38	160	135
Unit 4	3.48	17.32	154	125
Unit 5	0.00	0.00	0	0
Unit 6	8.67	43.08	390	295
Unit 7	8.36	43.06	393	313
Unit 8	10.38	52.85	453	415
Unit 9	11.01	55.33	497	402
Total	45.50	229.02		
Paras				
Unit 3	0.00	15.68	0	0
Unit 4	5.18	24.64	226	180
Total	5.18	40.32		
Khaparkheda				
Unit 1	0.00	0.00	0	0
Unit 2	2.95	12.36	134	107
Unit 3	4.26	20.72	181	173
Unit 4	2.68	15.64	115	107
Unit 5	10.82	51.42	490	370
Total	20.71	100.13		
Nasik				
Unit 3	3.67	4.46	170	125
Unit 4	3.26	16.85	148	120
Unit 5	0.00	12.33	0	0
Total	6.93	33.64		
Uran				
All Units	0.00	0.00	0	0
Total	0.00	0.00		
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	1.24	10.69	105	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.00	0.00	0	0
Stage 3	0.23	3.66	152	0
Total	1.46	14.35		
Hydro				
KDPH	0.00	0.14	0	0
VTRNA	0.00	0.36	0	0
TILLARI	0.88	1.00	58	0
BHIRA T.R.	0.46	2.22	77	0
SMLHY_PTN	2.46	12.48	110	95
GHATGHAR	0.11	2.06	90	0
Total	3.92	18.27		
Wind				
Total	20.13	160.49	0	0
Total	20.13	160.49		
CPP				
APML(Mus)	66.08	327.10	0	0
JSWEL(Mus)	19.29	94.51	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	24.71	125.38	0	0
SWPGPL-Mus	9.07	43.71	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.43	26.06	269	198
Other(Mus)	1.14	7.70	0	0
Total	125.71	624.46		
SOLAR				
Total	10.37	59.71	0	0
Total	10.37	59.71		
Tata				
Trombay 5	0.00	3.11	0	0
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.59	12.11	108	107
Trombay 7B	1.54	7.40	65	64
TATA Hydro	6.54	30.13	434	161
Trombay 8	3.88	19.15	216	130
Total	14.54	71.89		
AEML				
DTPS U-1&2	8.82	45.00	480	285
Total	8.82	45.00		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	149.45	732.03	MSPGCL Total	154.83	764.65
			MSPGCL Thml+Gas	149.45	732.03	Koyna 1,2 & 4 Total	1.24	10.69
			MSPGCL Hydro	5.38	32.62	State Total	334.40	1726.20

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 05/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	6188	198	0	6386	910	5379	0	0	6686	6021	-1167	17155	0	0	17155	2383	374	19912	50.02
2	6173	193	0	6366	798	5076	0	0	6838	6497	-1242	17151	0	0	17151	2199	344	19694	50.00
3	6351	253	0	6604	660	5020	0	0	6527	6354	-1202	17113	0	0	17113	2069	323	19505	49.92
4	6334	214	0	6548	643	5307	0	0	6597	5999	-1164	17015	0	0	17015	2008	318	19341	49.98
5	6311	199	0	6510	541	5097	0	0	7185	7104	-1137	17798	0	0	17798	1984	317	20099	49.98
6	6371	194	0	6565	402	5224	0	0	7945	8208	-1214	18836	0	0	18836	2082	349	21267	50.02
7	6390	194	0	6584	360	5647	0	91	8626	8382	-1336	19333	0	0	19333	2235	395	21963	49.97
8	6371	286	0	6657	307	5477	0	292	8947	9097	-1594	19808	0	0	19808	2436	428	22672	49.97
9	6423	255	0	6678	315	5635	0	645	8902	8809	-1963	19686	0	0	19686	2749	433	22868	50.01
10	6428	235	0	6663	356	5401	0	972	9036	8881	-2195	19638	0	0	19638	3054	440	23132	50.02
11	6316	236	0	6552	501	4929	0	1280	9418	9069	-2257	19633	0	0	19633	3239	441	23313	50.11
12	6136	223	0	6359	522	4809	0	1346	9370	9118	-2243	19460	0	0	19460	3262	451	23173	50.02
13	6094	255	0	6349	513	4766	0	1264	8950	8714	-2298	18870	0	0	18870	3201	438	22509	50.00
14	6084	222	0	6306	617	4725	0	1348	8697	8591	-2191	18975	0	0	18975	3084	421	22480	50.05
15	6131	189	0	6320	918	4755	0	1231	8802	8507	-2232	19068	0	0	19068	3083	431	22582	49.94
16	6155	190	0	6345	1087	4795	0	952	8863	8640	-2230	19150	0	0	19150	3084	439	22673	49.96
17	6200	204	0	6404	1559	5059	0	637	8424	8274	-2166	19327	0	0	19327	3058	440	22825	50.01
18	6159	271	0	6430	1595	4990	0	265	8274	7792	-2142	18498	0	0	18498	3021	432	21951	50.09
19	6182	274	0	6456	1667	5194	0	49	8167	7830	-2065	18672	0	0	18672	3004	459	22135	50.02
20	6191	430	0	6621	1564	5540	0	0	8387	7764	-1811	19241	0	0	19241	2958	437	22636	50.06
21	6174	204	0	6378	1419	5601	0	0	7550	7212	-1640	18554	0	0	18554	2840	416	21810	50.03
22	6225	166	0	6391	1113	5762	0	0	6837	6616	-1449	18006	0	0	18006	2724	427	21157	49.99
23	6083	148	0	6231	911	5779	0	0	6698	6341	-1345	17511	0	0	17511	2628	406	20545	50.02
24	5979	148	0	6127	853	5746	0	0	6504	6124	-1248	17205	0	0	17205	2504	397	20106	50.03
MUs	149.45	5.38	0.00	154.83	20.13	125.71	0.00	10.37	192.23	185.94	-41.53	445.70	0.00	0.00	445.70	64.89	9.76	520.35	50.01

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 05/Jul/2023

Position as on 6.30 Hrs of 06/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
MSPGCL	Parli Unit 8	250	18/06/2023	23:55		Continued.	Annual Overhaul	15/07/2023
MSPGCL	Khaparkhedha Unit 1	210	30/06/2023	00:18		Continued.	Annual Overhaul	24/07/2023
MSPGCL	Nasik Unit 5	210	04/07/2023	18:00		Continued.	Generator Swapping : nashik Unit-3 sync 16:35 Hrs and tolling agreement with IEPL	
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	23/07/2023
MSPGCL	Uran Unit 5	108	12/11/2022	13:23		Continued.	Material replacement work.	01/03/2024
MSPGCL	Chandrapur Unit 5	500	22/05/2023	19:00		Continued.	Stator Earth Fault	29/06/2023
MSPGCL	Uran Unit 6	108	01/06/2023	19:57		Continued.	No Schedule	
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	
MSPGCL	Uran Unit B0	120	24/06/2023	19:01		Continued.	On RR end bearing high vibrations	
MSPGCL	Uran Unit 7	108	24/06/2023	19:03		Continued.	On boiler protection	
IPP	JSW (J) U2	300	27/06/2023	23:44	05/07/2023	14:14	No schedule	
MSPGCL	Parli Unit 7	250	29/06/2023	14:31		Continued.	On Zero Schedule	
TPC-G	Trombay 5	500	01/07/2023	11:51		Continued.	Coal feeding problem	
IPP	SWPGPL U-1	135	02/07/2023	02:54		Continued.	PA Fan problem	10/07/2023
MSPGCL	Paras Unit 3	250	04/07/2023	09:39		Continued.	Boiler Tube Leakage	06/07/2023

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 05/Jul/2023

Statement-VII

Position as on 6.30 Hrs of 06/Jul/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV LINE Outages/Trippings							
CHANDRAPUR - PADGHE HVDC POLE 2	IntraState	05/07/2023	02:50	05/07/2023	06:07	EO	For Replacement of bulging capacitor unit at pole-2 DC filter area
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
TIE BAY (405) OF ICT-2 & FUTURE CKT - 2 @ KORADI 3	IntraState	05/07/2023	10:00	05/07/2023	13:16	PO	DGA test of Current Transformer
TBC @ PADGHE	IntraState	05/07/2023	10:47	05/07/2023	17:42		1) A bus PG isolator clamp replacement 2) Bay maint work.
TBC 1 @ CHANDRAPUR GCR	IntraState	06/07/2023	13:20			EO	To attend the closing problem of Yph of circuit breaker.
400 KV MAINBAY Outages/Trippings							
MAIN BAY (403) OF LINE- 4 @ KORADI 3	IntraState	05/07/2023	14:14	05/07/2023	16:26	PO	DGA test of Current Transformer
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
CHANDRAPUR GCR - CHANDRAPUR 2 CKT 2	IntraState	04/07/2023	07:06	05/07/2023	01:36	PO	For retrofitting of Main 2 line differential relay
BABHALESHWAR - PADGHE CKT-1	IntraState	04/07/2023	22:22	05/07/2023	02:09	EO	1) to attend Rph Wave trap problem as one of three string hook found damaged and WT tilted .
AURANGABAD(MS) - PUNE (GIS) CKT - 1	IntraState	05/07/2023	08:12			HT	HT for Load Management
KHADKA- DEEPNAGAR CKT 1	IntraState	05/07/2023	09:55	05/07/2023	16:38	PO	For routine bay maintenance works.
DABHOL - NAGOTHANE CKT - 2	IntraState	05/07/2023	10:05	05/07/2023	19:32	PO	Rectification of line isolator and earth switch operational issues.
DHULE- - BABLESHWAR CKT - 1	IntraState	06/07/2023	08:48			PO	Routine Line maintenance and Insulator cleaning work
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 315MVA ICT - 2 @ BABHALESHWAR	IntraState	02/07/2023	13:30	05/07/2023	18:33	PO	ABB Circuit Breaker Mechanism overhauling ICT 2 on TBC
400/220/33 KV 500 MVA ICT - 2 @ LAMBOTI	IntraState	05/07/2023	09:18	05/07/2023	19:42	PO	Routine Testing and Maintenance activities
400/220/33 KV 500MVA ICT - 2 @ KHAPARKHEDA	IntraState	05/07/2023	10:11	05/07/2023	14:50	EO	For attending oil leakage from R Ph Neutral Bushing
400/220/33 KV 315MVA ICT - 2 @ AKOLA	IntraState	05/07/2023	10:50	05/07/2023	17:24	EO	Civil work of cement roof of RTC canteen by RTC unit.
220 KV MAINBAY Outages/Trippings							
220 KV WANI - PANDHARKAWDA CKT I BAY (TEST CHARGED)	IntraState	02/06/2023	10:10			HT	For rectification of punch points of 220kv wani- pandharkawada line ph-i line.
220 KV LINE Outages/Trippings							
BALE - SOLAPUR (PG)	InterState	05/07/2023	09:57	05/07/2023	18:09	PO	Outage is required for Diagnostic testing, Relay testing and maintenance work

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 05/Jul/2023

Statement-VII

Position as on 6.30 Hrs of 06/Jul/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
EKLAHARE (OCR) - NAVASARI CKT - 1	IntraState	10/02/2023	09:45			PO	Breaker overhauling work. (RFC AT 21:23 HRS DT.10/02/2023 AND KEPT OPENED FOR LOAD MANAGEMENT)
EKLAHARE (OCR) - PADGHE	IntraState	05/03/2023	08:55			HT	For load management
GOREGAON - AAREY CKT - 2	IntraState	17/06/2023	18:14			PO	Shifting of existing 220kV AIS Bay no. 2 to New GIS Bay no. 19 under MERC approved Aarey 220kV AIS to GIS conversion project scheme.
URAN - KHARGHAR 1	IntraState	23/06/2023	17:36			PO	LILO and commissioning of 220kV Ulwe GIS
BAPGAON - KALWA	IntraState	29/06/2023	13:06			PO	Erection of cable termination kit and LA on newly erected CTT Monopole on 220 KV Kalwa Bapgaon line in between Loc No-398 to 399 for the Work of newly proposed 220KV GIS substation of M/s. Estela Enterprises Pvt. Ltd
GOREGAON - VERSOVA CKT - 1	IntraState	05/07/2023	11:08	06/07/2023	19:46	EO	Attending Hotspot and conductor damage at VAB 19 by replacing all phase connection between VAB 19 to VAB 19A. Removing PG Clamp arrangement by jumper cone connection
KARAD -MUDSHINGI CKT 2-TAK	IntraState	06/07/2023	09:15			PO	Cold line washing of insulator strings
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.
220/132-110 KV 100 MVA ICT 2	IntraState	21/06/2023	11:00			EO	Replacement of HV CB
220/100 KV 200 MVA ICT 2 @ PADGHE	IntraState	05/07/2023	09:51	05/07/2023	18:20	PO	For attending oil leakage from radiator and top inspection window
220/132KV 100MVA ICT 3 @ PANDHARPUR	IntraState	05/07/2023	14:44	05/07/2023	18:43	PO	Outage is required for HV SIDE BUSHING TO CT JUMP REPLACEMENT WORK
220/132KV 200MVA ICT 1 @ JEUR	IntraState	05/07/2023	14:44			PO	Outage is required for Quarterly Maintenance
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