

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 23/May/2023 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	169.222	3782.437	1) Gujrat	-1.263	-79.431
2) Hydro	22.895	486.237	2) Madhya Pradesh	6.032	160.089
3) Gas	5.273	120.769	3) Chattisgarh	4.080	121.290
Total MSPGCL	197.390	4389.443	4) Maharashtra	209.197	4664.882
B) 1) APLM	71.045	1288.436	5) Goa (Amona)	-1.341	-30.277
2) JSWEL	23.646	484.666	Total	216.705	4836.553
3) VIPL	0.000	0.000	a) Mumbai Schedule	39.529	891.916
4) RPL(AMT)	25.570	556.794	b) Mumbai Drawl	43.697	981.702
5) SWPGPL	10.787	229.159	c) MSEDCL Bilateral *	96.882	2200.689
6) Other IPP	7.038	239.567	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	39.529	891.827
C) 1) TPCL Thermal	12.325	269.187	Include PX	0.000	0.000
2) TPCL Hydro	5.907	108.208	Standby	0.000	0.089
3) TPCL Gas	2.113	51.543	H) ENERGY CATERED (MUs)		
4) AEML Thermal	11.112	233.495	1) MSEDCL	531.026	11574.163
D) STATE			2) Mumbai Discoms	75.154	1644.135
1) Thermal	330.745	7083.741	3) Other Discoms	10.448	236.407
(A1+C1+C4+(B1-B6))			TOTAL STATE	616.628	13454.705
2) Hydro	28.802	594.445			
(A2+C2)					
3) Gas	7.386	172.312			
(A3+B7+C3)					
4) Wind	17.425	404.575			
6) SOLAR	15.565	363.079			
TOTAL STATE	399.923	8618.152			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 12 Hrs	B. Day Peak at 16 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 7 Hrs
MSPGCL Thermal	6981	7070	7014	7000
MSPGCL Hydro	538	1200	1030	520
MSPGCL Gas	210	205	217	228
MSPGCL Total Generation	7730	8474	8260	7748
Central Sector Receipt	10160	10017	8804	8564
WIND	228	656	1148	514
CPP / IPP Thermal	5368	5794	6144	5884
CPP / IPP Gas	0	0	0	0
SOLAR	2112	1234	0	172
Exchange with Mumbai	-2347	-2270	-1962	-1338
MSEDCL DEMAND MET	22792	23416	21934	21130
Load Shedding	0	0	0	0
MSEDCL DEMAND	22792	23416	21934	21130
TPCL GENERATION	765	937	883	661
AEML GENERATION	483	495	381	485
MUMBAI DEMAND	3595	3702	3226	2484
OTHER DISCOM DEMAND	459	490	461	413
STATE DEMAND MET	26845	27607	25621	24028
STATE DEMAND	26845	27607	25621	24028
Frequency (Hz)	50.05	50.11	50.00	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.28 Hz at 17.05 Hrs	49.77 Hz at 00.07 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 23/May/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.06	98.86	175	150
Unit 8	13.30	257.47	594	535
Unit 9	13.74	290.44	602	525
Unit 10	12.48	210.77	555	490
Total	43.58	857.53		
Bhusawal				
Unit 3	3.58	78.08	165	145
Unit 4	10.36	186.95	475	405
Unit 5	10.91	235.11	485	440
Total	24.85	500.14		
Parli				
Unit 6	0.03	80.92	28	0
Unit 7	4.50	91.28	245	126
Unit 8	4.02	105.96	189	143
Total	8.55	278.17		
Chandrapur				
Unit 3	3.62	82.65	164	120
Unit 4	3.68	73.16	156	140
Unit 5	0.00	170.06	0	0
Unit 6	9.57	211.28	410	380
Unit 7	9.94	214.34	432	391
Unit 8	11.62	219.47	497	465
Unit 9	11.69	251.28	500	460
Total	50.11	1222.22		
Paras				
Unit 3	4.62	109.50	220	167
Unit 4	4.68	114.69	229	166
Total	9.30	224.19		
Khaparkheda				
Unit 1	3.24	69.34	140	130
Unit 2	2.39	67.60	110	86
Unit 3	4.32	92.16	185	175
Unit 4	4.26	91.27	185	170
Unit 5	10.54	201.68	455	410
Total	24.76	522.05		
Nasik				
Unit 3	0.00	25.27	0	0
Unit 4	4.05	92.71	179	158
Unit 5	4.01	60.14	174	152
Total	8.07	178.13		
Uran				
All Units	5.27	120.77	231	203
Total	5.27	120.77		
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)	0.06	0.66	38	0
Total	0.06	0.66		
Koyna				
Stage 1-2	4.94	102.47	470	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	9.77	218.80	1004	0
Stage 3	3.45	71.17	320	0
Total	18.15	392.44		
Hydro				
KDPH	0.59	15.47	25	25
VTRNA	1.18	23.76	60	0
TILLARI	0.46	1.32	58	0
BHIRA T.R.	0.36	6.43	80	0
SMLHY_PTN	2.09	46.16	89	85
GHATGHAR	0.00	0.00	0	0
Total	4.68	93.13		
Wind				
Total	17.42	404.58	0	0
Total	17.42	404.58		
CPP				
APML(Mus)	71.04	1288.44	0	0
JSWEL(Mus)	23.65	484.67	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.57	556.79	0	0
SWPGPL-Mus	10.79	229.16	0	0
Dhariwal	0.00	16.14	0	0
IEPL	4.12	113.67	270	0
Other(Mus)	2.92	109.76	0	0
Total	138.09	2798.62		
SOLAR				
Total	15.56	363.08	0	0
Total	15.56	363.08		
Tata				
Trombay 5	7.95	175.30	434	265
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.16	30.24	106	36
Trombay 7B	0.95	21.30	64	34
TATA Hydro	5.91	108.21	429	117
Trombay 8	4.37	93.89	235	127
Total	20.34	428.94		
AEML				
DTPS U-1&2	11.11	233.50	500	330
Total	11.11	233.50		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	169.22	3782.44	MSPGCL Total	197.39	4389.44
			MSPGCL Thml+Gas	174.50	3903.21	Koyna 1,2 & 4 Total	14.70	321.27
			MSPGCL Hydro	22.90	486.24	State Total	399.92	8618.15

State Load Despatch Center, Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 23/May/2023

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLA R	CS SHAR E	CS RECPT	Mum. NET EXCH.	MSEDC L DEM. MET	Load Shedding		MSEDC L DEM. WITH LS	MUMBAI DEMAN D	OTHER DISCOM DEMAN D	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS						Planne d	*Trans mission Constraint					
1	7197	1942	229	9368	617	5993	0	0	7882	7825	-1433	21985	0	6	21985	3091	385	25460	49.96
2	7092	1818	229	9140	693	6000	0	0	7668	7166	-1278	21365	0	14	21365	2892	356	24612	50.01
3	7059	1734	231	9024	812	5999	0	0	7734	7852	-1253	22110	0	0	22110	2703	324	25137	50.02
4	7020	1282	230	8532	955	6043	0	0	7925	7561	-1240	21513	0	0	21513	2579	339	24431	50.03
5	7077	748	230	8054	837	6219	0	0	8230	8098	-1247	21622	0	0	21622	2495	340	24457	50.02
6	7097	438	230	7766	723	6250	0	13	8488	8561	-1309	21626	0	0	21626	2499	377	24503	50.04
7	7000	520	228	7748	514	5884	0	172	8354	8564	-1338	21130	0	0	21130	2484	413	24028	50.03
8	7051	428	229	7708	272	5642	0	560	8364	8934	-1525	21148	0	1	21148	2613	443	24204	50.03
9	6912	966	225	8102	278	4966	0	1158	9016	9169	-1898	21308	0	0	21308	2913	467	24688	50.02
10	7069	848	216	8132	279	4776	0	1551	9445	9801	-2000	22064	0	41	22064	3227	475	25766	49.96
11	7007	782	211	8000	265	4624	0	1967	9884	10129	-2239	22272	0	35	22272	3486	474	26232	50.01
12	6981	538	210	7730	228	5368	0	2112	10115	10160	-2347	22792	0	199	22792	3595	459	26845	50.05
13	7034	470	208	7712	176	5307	0	2098	10302	10653	-2356	23113	0	23	23113	3607	477	27196	50.06
14	6995	510	208	7714	254	5422	0	1912	10179	10482	-2270	23048	0	6	23048	3533	466	27046	50.04
15	7074	740	203	8018	595	5573	0	1661	10392	10282	-2304	23351	0	56	23351	3612	474	27437	50.00
16	7070	1200	205	8474	656	5794	0	1234	10073	10017	-2270	23416	0	58	23416	3702	490	27607	50.11
17	7040	668	204	7912	1078	5914	0	769	9976	10190	-2196	23176	0	15	23176	3624	490	27291	50.06
18	6971	502	212	7686	1065	5661	0	310	10242	9725	-2304	21668	0	60	21668	3465	474	25607	50.11
19	6991	792	216	8000	1128	5524	0	48	9571	9405	-2164	21460	0	0	21460	3263	481	25204	50.05
20	7014	1030	217	8260	1148	6144	0	0	8915	8804	-1962	21934	0	0	21934	3226	461	25621	50.00
21	7128	1024	224	8376	1087	6216	0	0	8377	8488	-1833	21863	0	0	21863	3164	471	25498	49.98
22	7134	1082	225	8440	1103	6251	0	0	8197	8123	-1765	21697	0	0	21697	3091	456	25244	50.00
23	7113	1406	226	8744	1249	6244	0	0	8349	8429	-1569	22658	0	0	22658	3110	440	26207	50.02
24	7096	1430	227	8752	1413	6271	0	0	8517	8287	-1597	22710	0	1	22710	3180	417	26307	50.02
MUs	169.22	22.89	5.27	197.39	17.42	138.09	0.00	15.56	216.20	216.70	-43.70	531.03	0.00	0.52	531.03	75.15	10.45	616.63	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 :-

- 1)ELR due to overloading of 132kv Dindori-satana line, 132kv Ssangamner-Bableswhar line and 220kv Nashik gcr-Bableswhar line.
- 2)LTS due to under voltage at 400kv Ionikand s/s.
- 3)LTS due to 220kv Ionand - jejuri line overloading.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 23/May/2023

Position as on 6.30 Hrs of 24/May/2023

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
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	30/05/2023
MSPGCL	Uran Unit 5	108	12/11/2022	13:23		Continued.	Material replacement work.	01/03/2024
MSPGCL	Ghatghar Unit-2	125	08/02/2023	07:02		Continued.	Stator Earth Fault	01/06/2023
MSPGCL	Uran Unit 6	108	10/05/2023	02:00		Continued.	Zero Schedule.	
IPP	RPL(AMT) U-2	270	16/05/2023	23:00		Continued.	Ash Evacuation Problem.	24/05/2023
MSPGCL	Parli Unit 6	250	19/05/2023	07:40	23/05/2023	23:26	Boiler Tube Leakage	24/05/2023
MSPGCL	Nasik Unit 3	210	20/05/2023	08:45		Continued.	Boiler Tube Leakage(under tolling from 22.25Hrs DT. 20-5-2023)	
MSPGCL	Chandrapur Unit 5	500	22/05/2023	19:00		Continued.	Stator Earth Fault	25/05/2023
IPP	IEPL Unit 1	270	22/05/2023	21:39	23/05/2023	04:10	PDR optd	
MSPGCL	Bhusawal Unit 4	500	23/05/2023	23:53	24/05/2023	02:52	Flame Failure	
MSPGCL	Parli Unit 7	250	24/05/2023	05:42		Continued.	Furnace Pressure High	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/May/2023

Statement-VII

Position as on 6.30 Hrs of 24/May/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 1	IntraState	23/05/2023	02:10	23/05/2023	03:58	EO	Emergency shutdown of of HVDC Pole-1 for attending Water Leakage at R-Ph Quadruple valve
CHANDRAPUR - PADGHE HVDC POLE 1	IntraState	23/05/2023	22:19	24/05/2023	00:45	EO	emergency shutdown of HVDC Pole-1 Non-base Filter Z11-Z3/Z4 for attending Hotspots at various locations in all the three phase, respective images are also attached
400 KV TIEBAY Outages/Trippings							
TIE BAY (406) OF KHADKA CKT - 1 @ DEEPNAGAR	IntraState	22/05/2023	12:06			PO	For servicing & overhauling of 400kV AREVA make KDK CKT-1 TIE C.B. Mechanism
400 KV MAINBAY Outages/Trippings							
MAIN BAY (405) OF KHADKA CKT - 1 @ DEEPNAGAR	IntraState	18/05/2023	17:16			PO	For servicing & overhauling of 400kV AREVA make KDK CKT-1 Main C.B. Mechanism
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
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	21/05/2023	20:05	23/05/2023	07:47	HT	HT for Load Management
DABHOL - NEW KOYNA CKT - 2	IntraState	22/05/2023	13:26			PO	Dismantling of exising tilted old tower at location no 94 and erection of new tower (B+9ST) with foundation and stringing of conductor.
AMRAPUR - TAPTITANDA CKT - 2	IntraState	22/05/2023	15:50	23/05/2023	00:33	T	Distance Protection
DEEPNAGAR - THAPTI TANDA	IntraState	23/05/2023	05:50	23/05/2023	17:39	PO	FOR REPLACEMENT OF BENDED MID SPAN JOINT & DEAD END.
LONIKAND - JEJURI CKT - 1	IntraState	23/05/2023	07:59	23/05/2023	10:01	HT	To control Talegaon Chakan loading
AURANGABAD(MS) - PUNE (GIS) CKT - 1	IntraState	23/05/2023	09:46			HT	For load management
LONIKAND I - KOYNA STAGE-IV	IntraState	23/05/2023	11:07	23/05/2023	11:42	T	tripped on Distance protection
CHANDRAPUR 2 - KUMBHARGAON(NANDED) CKT - 2	IntraState	23/05/2023	17:18	23/05/2023	17:54	T	Tripped on Distance Protection due to Nylon Rope found on line.
DHULE- - BABLESHWAR CKT - 2	IntraState	23/05/2023	17:36	24/05/2023	00:35	PO	Routine Line maintenance and Insulator cleaning work
LONIKAND - JEJURI CKT - 2	IntraState	23/05/2023	18:29	23/05/2023	20:45	HT	For control loading of 400 KV Chakan Talegaon PG line.
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 KV 500 MVA ICT @ ALKUD	IntraState	20/05/2023	18:59	24/05/2023	21:30	EO	To attend hot spot at 204-89D Isolator
400/220/33 KV 315MVA ICT - 1 @ AKOLA	IntraState	23/05/2023	08:23	23/05/2023	17:12	PO	1. Pre-Monsoon maintenance work 2. Diagnostic testing work 3. Isolator maintenance work
400/220/33 KV 315MVA ICT - 2 @ CHAKAN	IntraState	23/05/2023	09:09	23/05/2023	13:13	EO	Images of Hotspots in thermovision camera showing Temperatures 135 \pm C @ R phae and 108 \pm C @ B phase of 89B isolators hanger rod L patti .
220 KV LINE Outages/Trippings							

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 23/May/2023

Statement-VII

Position as on 6.30 Hrs of 24/May/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
KARAD - DASGAON	IntraState	16/05/2023	10:40			PO	For erection & stringing of In line narrow base multi circuit tower (Loc No.145) of new 220kV Karad -Koyana line.
MIRAJ - ICHALKARANJI	IntraState	21/05/2023	17:23	23/05/2023	23:36	PO	Erection of 1oc.no.26A(D+3), conductor shifting & old conductor dismantling of loc.no.26,27 & conductor restringing work at loc.no.26A-28A.
PUSAD - HINGOLI	IntraState	22/05/2023	21:38	23/05/2023	15:40	HT	R PH CT Hotspot Attending Work.
BHUGAON- WARDHA	IntraState	22/05/2023	22:24	23/05/2023	01:34	HT	To Control OD
WARDHA - WARDHA (PG)	IntraState	22/05/2023	22:48	23/05/2023	01:35	HT	To Control OD
EKLAHARE (OCR) - NAVASARI CKT - 1	IntraState	23/05/2023	09:05	23/05/2023	15:15	PO	Routine bay maintenance & line maintenance
ACCIL - APTA	IntraState	23/05/2023	10:15	23/05/2023	16:37	PO	Bay Maintenance Work and Diagnostic Testing
KARAD - DASGAON	IntraState	23/05/2023	10:38				Alignment of 29A & 29 B isolator by opening bus jumps with the help of Hot Line Unit Ogalewadi & also attending hotspots towards bus side palm
SHEDYAL-JATH	IntraState	23/05/2023	10:43	23/05/2023	15:48	PO	Jump replacement work at CP Loc No.13 Y Ph also tightening of pilot string at Loc No.04 R ph
GADCHANDUR - GRACE	IntraState	23/05/2023	17:05	23/05/2023	22:12	PO	GAD .END--B PH 3.9 KM ,4.8 KA GRACE END:- B PH ZONE1 SOTF NO IF/DIST DUE TO RELAY DISPLAY ISSUE AT GRACE END.
MALHARPETH SATARA MIDC	IntraState	23/05/2023	21:37	24/05/2023	03:19	T	Distance Protection
PALGHAR - PANCHALI TSS	IntraState	23/05/2023	23:51			EO	Replacement of old rusted disc insulator with porcelain long insulator at loc no. 03,08,10,12,13,15,16
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 / 110 / 22kV 250 MVA ICT 2 @ SALSETTE	IntraState	10/11/2022	10:35			EO	For attending to abnormal Nosie from ICT
220 KV /132 KV 100 MVA ICT 1	IntraState	23/05/2023	07:36	23/05/2023	22:17	PO	FOR DIAGONESTIC TESTING & PREMANSON MAINT. WORK
200 MVA 220/132 KV ICT - 2 @ VIRODA	IntraState	23/05/2023	08:10	23/05/2023	11:15	PO	FOR PRE MONSOON MAINTENANCE WORK OF ICT BAY
220/33KV 25MVA PTR 1 @ NEW KOYNA	IntraState	23/05/2023	09:20			PO	Oil filtration work, Diagnostic testing & Relay testing work & C.T. tand Delta work
220/33KV 50MVA BBL T/F @ OGLEWADI	IntraState	23/05/2023	09:25	23/05/2023	21:55	PO	Retrofitting work of Auxiliary relays required to be for separation of Aux.Protection of differential relay.
220/132KV 100 MVA ICT 2@ PETH	IntraState	23/05/2023	09:30	23/05/2023	19:05	PO	1. Structure painting work 2.Diagnostic testing & relay testing work 3.Premonson maintenance work
220/33KV 50MVA PTR 1 @ MIRAJ	IntraState	23/05/2023	09:35	23/05/2023	17:16	PO	Replacement work of Aircell
132 KV LINE Outages/Trippings							

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/May/2023

Statement-VII

Position as on 6.30 Hrs of 24/May/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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