

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 03/Dec/2023 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	136.094	409.348	1) Gujrat	6.636	21.280
2) Hydro	4.589	15.407	2) Madhya Pradesh	7.774	26.246
3) Gas	6.987	20.934	3) Chattisgarh	5.720	15.990
Total MSPGCL	147.670	445.689	4) Maharashtra	152.831	476.736
B) 1) APLM	18.247	58.356	5) Goa (Amona)	-1.384	-4.491
2) JSWEL	21.534	65.996	Total	171.577	535.761
3) VIPL	0.000	0.000	a) Mumbai Schedule	31.448	100.109
4) RPL(AMT)	23.953	72.032	b) Mumbai Drawl	35.351	112.568
5) SWPGPL	9.698	29.691	c) MSEDCL Bilateral *	71.210	195.549
6) Other IPP	33.651	97.584	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	31.448	100.109
C) 1) TPCL Thermal	10.399	31.544	Include PX	0.000	0.000
2) TPCL Hydro	1.354	7.445	Standby	0.000	0.000
3) TPCL Gas	2.052	6.416	H) ENERGY CATERED (MUs)		
4) AEML Thermal	6.415	18.856	1) MSEDCL	408.753	1226.949
D) STATE			2) Mumbai Discoms	55.571	176.829
1) Thermal	259.991	783.407	3) Other Discoms	9.704	30.251
(A1+C1+C4+(B1-B6))			TOTAL STATE	474.028	1434.029
2) Hydro	5.943	22.852			
3) Gas	9.039	27.350			
4) Wind	13.324	29.782			
6) SOLAR	14.154	34.877			
TOTAL STATE	302.451	898.268			

* 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 18 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	5756	6552	6798	5175
MSPGCL Hydro	195	158	271	157
MSPGCL Gas	293	283	286	299
MSPGCL Total Generation	6244	6993	7355	5631
Central Sector Receipt	7340	7303	8519	6494
WIND	755	329	310	791
CPP / IPP Thermal	4585	4730	4671	4352
CPP / IPP Gas	0	0	0	0
SOLAR	1378	89	1	0
Exchange with Mumbai	-1484	-1408	-1522	-1272
MSEDCL DEMAND MET	18415	17599	18884	15663
Load Shedding	0	0	0	0
MSEDCL DEMAND	18415	17599	18884	15663
TPCL GENERATION	547	700	725	504
AEML GENERATION	304	302	301	156
MUMBAI DEMAND	2335	2410	2548	1932
OTHER DISCOM DEMAND	403	437	450	333
STATE DEMAND MET	21153	20446	21882	17928
STATE DEMAND	21153	20446	21882	17928
Frequency (Hz)	49.97	50.01	49.99	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.26 Hz at 12.02 Hrs	49.76 Hz at 20.36 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 03/Dec/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.59	10.94	165	120
Unit 8	12.35	37.99	622	382
Unit 9	11.96	36.54	619	377
Unit 10	12.12	36.67	600	400
Total	40.01	122.13		
Bhusawal				
Unit 3	1.36	7.83	130	0
Unit 4	7.70	20.63	440	285
Unit 5	7.40	23.31	415	285
Total	16.46	51.77		
Parli				
Unit 6	0.00	1.90	0	0
Unit 7	0.00	1.92	0	0
Unit 8	0.00	6.15	0	0
Total	0.00	9.97		
Chandrapur				
Unit 3	3.17	9.57	157	119
Unit 4	3.08	9.49	150	118
Unit 5	7.67	23.86	410	280
Unit 6	6.28	6.35	335	136
Unit 7	6.76	20.57	330	255
Unit 8	8.47	26.76	455	272
Unit 9	8.70	27.36	461	272
Total	44.14	123.96		
Paras				
Unit 3	5.28	15.43	239	155
Unit 4	5.32	16.11	239	152
Total	10.60	31.54		
Khaparkheda				
Unit 1	3.10	8.88	175	90
Unit 2	2.08	6.33	99	70
Unit 3	3.39	10.37	161	127
Unit 4	3.63	11.26	191	129
Unit 5	9.88	30.34	480	275
Total	22.08	67.17		
Nasik				
Unit 3	2.80	2.80	147	0
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Total	2.80	2.80		
Uran				
All Units	6.99	20.93	301	279
Total	6.99	20.93		
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)	0.24	0.70	26	0
Total	0.24	0.70		
Koyna				
Stage 1-2	1.20	3.57	150	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.00	0.00	0	0
Stage 3	0.28	1.09	160	0
Total	1.48	4.66		
Hydro				
KDPH	0.43	1.89	18	18
VTRNA	0.00	0.00	0	0
TILLARI	0.00	0.00	0	0
BHIRA T.R.	0.00	0.00	0	0
SMLHY_PTN	2.43	7.74	108	99
GHATGHAR	0.00	0.43	0	0
Total	2.86	10.05		
Wind				
Total	13.32	29.78	0	0
Total	13.32	29.78		
CPP				
APML(Mus)	18.25	58.36	0	0
JSWEL(Mus)	21.53	66.00	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	23.95	72.03	0	0
SWPGPL-Mus	9.70	29.69	0	0
Dhariwal	0.00	0.00	0	0
IEPL	4.20	12.94	206	158
Other(Mus)	29.46	84.64	0	0
JPL	0.00	0.00	0	0
Total	107.08	323.66		
SOLAR				
Total	14.15	34.88	0	0
Total	14.15	34.88		
Tata				
Trombay 5	6.88	20.87	344	260
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.11	3.54	108	39
Trombay 7B	0.94	2.88	64	35
TATA Hydro	1.35	7.44	154	2
Trombay 8	3.52	10.68	176	133
Total	13.80	45.40		
AEML				
DTPS U-1&2	6.42	18.86	375	149
Total	6.42	18.86		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	136.09	409.35	MSPGCL Total	147.67	445.69
			MSPGCL Thml+Gas	143.08	430.28	Koyna 1,2 & 4 Total	1.20	3.57
			MSPGCL Hydro	4.59	15.41	State Total	302.45	898.27

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 03/Dec/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	4966	166	294	5426	909	4365	0	0	6683	6989	-1530	15769	0	0	15769	2271	390	18430	50.01
2	4980	166	296	5442	815	4366	0	0	6487	6901	-1404	15764	0	0	15764	2122	356	18242	49.98
3	5116	161	297	5574	795	4367	0	0	6406	6559	-1361	15588	0	0	15588	2017	346	17951	49.97
4	5175	157	299	5631	791	4352	0	0	6268	6494	-1272	15663	0	0	15663	1932	333	17928	49.98
5	5451	167	301	5919	804	4360	0	0	6372	6848	-1266	16322	0	0	16322	1909	343	18574	50.02
6	5972	168	301	6441	869	4441	0	0	6678	6822	-1309	16891	0	0	16891	1970	373	19234	50.01
7	6487	159	298	6944	808	4713	0	3	6981	6957	-1316	17712	0	0	17712	2010	397	20119	50.02
8	6351	172	297	6820	768	4645	0	273	7236	7472	-1289	18304	0	0	18304	2047	385	20736	49.96
9	5857	295	297	6449	655	4611	0	794	7374	7602	-1364	18345	0	0	18345	2191	402	20938	49.97
10	5756	195	293	6244	755	4585	0	1378	7393	7340	-1484	18415	0	0	18415	2335	403	21153	49.97
11	5038	185	291	5514	747	4296	0	1920	7721	7523	-1612	17966	0	0	17966	2468	422	20856	49.98
12	4750	185	283	5218	606	4006	0	2135	7595	7435	-1625	17359	0	0	17359	2536	416	20311	50.03
13	4854	192	281	5327	419	4050	0	2108	6633	6888	-1623	16756	0	0	16756	2528	413	19697	50.02
14	4797	164	280	5241	287	4154	0	2064	6356	6531	-1568	16288	0	0	16288	2477	421	19186	50.07
15	4897	174	279	5350	225	4317	0	1678	6599	7124	-1549	16737	0	0	16737	2469	408	19614	50.05
16	5133	158	282	5573	213	4521	0	1190	7195	7410	-1517	16955	0	0	16955	2451	435	19841	50.02
17	6079	158	284	6521	250	4679	0	521	6892	7042	-1439	17152	0	0	17152	2405	422	19979	49.96
18	6552	158	283	6993	329	4730	0	89	6976	7303	-1408	17599	0	0	17599	2410	437	20446	50.01
19	6798	271	286	7355	310	4671	0	1	8174	8519	-1522	18884	0	0	18884	2548	450	21882	49.99
20	6806	324	290	7420	331	4923	0	0	7875	7816	-1625	18430	0	0	18430	2569	435	21434	49.97
21	6505	260	290	7055	318	4552	0	0	7140	7379	-1631	17236	0	0	17236	2543	437	20216	49.91
22	6291	185	294	6770	339	4454	0	0	6803	7024	-1595	16557	0	0	16557	2497	435	19489	50.01
23	5941	185	294	6420	454	4460	0	0	6611	6850	-1520	16243	0	0	16243	2456	421	19120	50.01
24	5542	184	297	6023	527	4465	0	0	6744	6749	-1522	15819	0	0	15819	2410	423	18652	50.01
MUs	136.09	4.59	6.99	147.67	13.32	107.08	0.00	14.15	167.19	171.58	-35.35	408.75	0.00	0.00	408.75	55.57	9.70	474.03	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 03/Dec/2023

Position as on 6.30 Hrs of 04/Dec/2023

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Uran Unit 5	108	12/11/2022	13:23		Continued.	Major overhaul.	15/02/2024
MSPGCL	Koyna Unit 11	80	10/07/2023	09:40		Continued.	COH	07/12/2023
MSPGCL	Nasik Unit 4	210	19/11/2023	15:48		Continued.	Stator Earth Fault (Converted into AOH from 00:00 hrs dt.20/11/2023)	12/12/2023
MSPGCL	Koyna STG-IV Unit-3	250	24/11/2023	08:00		Continued.	Capital Overhauling	19/01/2024
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	15/12/2023
MSPGCL	Uran Unit A0	120	07/09/2022	16:30		Continued.	TURBINE TRIPPED ON HIGH VIBRATIONS	31/03/2024
MSPGCL	Uran Unit 6	108	05/10/2023	00:29		Continued.	Gas shortage	
IPP	RPL(AMT) U-2	270	12/10/2023	07:59		Continued.	Tripped Due to Electrical protection opted.	15/12/2023
IPP	JPL Unit 1	150	03/11/2023	00:01		Continued.	Under shutdown condition Due to low net sales Realization cost.	30/11/2023
IPP	Adani U-5	660	16/11/2023	23:16		Continued.	Zero Schedule	
IPP	Adani U-4	660	27/11/2023	04:13		Continued.	zero schedule	
IPP	Adani U-1	660	28/11/2023	23:53		Continued.	ZERO SCHEDULE	
MSPGCL	Nasik Unit 5	210	30/11/2023	05:24		Continued.	Suspected BTL.	04/12/2023
MSPGCL	Nasik Unit 3	210	30/11/2023	23:40	03/12/2023	02:05	Furnace Pressure High	02/12/2023
MSPGCL	Parli Unit 6	250	01/12/2023	12:31		Continued.	Zero Schedule Given By MSEDCL	
MSPGCL	Parli Unit 7	250	01/12/2023	12:32		Continued.	Zero Schedule Given By MSEDCL	
AEML	AEML Unit 1	250	01/12/2023	23:51	03/12/2023	06:44	Boiler Chemical Parameter issue.	
MSPGCL	Parli Unit 8	250	02/12/2023	14:20		Continued.	Zero schedule	
MSPGCL	Bhusawal Unit 3	210	03/12/2023	11:00		Continued.	Boiler Tube Leakage	05/12/2023

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 03/Dec/2023

Statement-VII

Position as on 6.30 Hrs of 04/Dec/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV TIEBAY Outages/Trippings							
TIE BAY OF 765KV/21KV TIRODA-GT-5 AND 765KV-TIRODA-KORADI-III-1 @TIRODA - 765KV at TIRODA - 765KV	InterState	04/12/2023	09:50			PO	Annual testing and mechanism OH
765 KV MAINBAY Outages/Trippings							
MAIN BAY - 701 OF 765/400kV 1500MVA ICT-1 @ KORADI 3	IntraState	04/12/2023	09:22			PO	Annual maintenance of CB at Koradi- III SS
500 KV LINE Outages/Trippings							
CHANDRAPUR - PADGHE HVDC POLE 2	IntraState	01/12/2023	08:48			PO	Annual Maintenance work AC & DC Yard Equipment, Valve Hall, Diagnostic testing, Line Maintenance etc
CHANDRAPUR - PADGHE HVDC POLE 2	IntraState	01/12/2023	08:48			PO	Annual Maintenance work AC & DC Yard Equipment, Valve Hall, Diagnostic testing, Line Maintenance etc
CHANDRAPUR - PADGHE HVDC POLE 2	IntraState	01/12/2023	08:48			PO	Annual Maintenance work AC & DC Yard Equipment, Valve Hall, Diagnostic testing, Line Maintenance etc
400 KV MAINBAY Outages/Trippings							
400/11.5 KV 110MVA STN T/F 6A @ DEEPNAGAR	InterState	09/11/2023	15:36			PO	For alignment work of 89L isolator of Station Transformer 6A
MAIN BAY - 418 OF IEPL @ KORADI-2	IntraState	29/09/2023	10:42			PO	1)Diagnostic testing of Circuit breaker 418-Q52. 2) Routine Maintenance work of Bay 418.
400 KV LINE Outages/Trippings							
400KV-PARLI NEW-PARLI-M-1	InterState	19/08/2023	22:49			PO	For reconductoring
400KV NANDED(KUMBHARGAON)-PARLY CKT 2	InterState	03/12/2023	23:31	03/12/2023	07:16	EO	Broken conductor strands repair
BABHALESHWAR - RPL(NSK) CKT - 1	IntraState	01/08/2023	09:21			EO	For attending Oil Leakage Problem of 2Y2 phase Protection CT Of NTPP I (RPL 1)
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 GCR - CHANDRAPUR 2 CKT 1	IntraState	23/11/2023	11:55			PO	Scheme work of replacement of existing 0.5 ACSR conductor by HTLS conductor
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	26/11/2023	19:17			HT	HT Load Management
NEW KOYNA-KARAD CKT - 1	IntraState	29/11/2023	23:25	04/12/2023	09:03	HT	Hand tripped due to high voltages.
KHADKA-AURANGABAD (WALUJ)	IntraState	30/11/2023	21:25	04/12/2023	08:48	HT	H/T For Voltage Management
CHANDRAPUR GCR - CHANDRAPUR HVDC - 2	IntraState	01/12/2023	08:48			PO	1. CB pole overhauling work. 2.Diagnostic testing work of CT, CB. 3. Bay maintenance work.
PADGHE - PADGHE HVDC CKT- 2	IntraState	01/12/2023	08:48			PO	1.Bay Maintenance Work. 2.Diagnostic Testing Work. 3.MTAMC work. 4.Replacement of old BHEL Make 7 Core CT with New 7 Core CT of CGL make. 5.Replacement of A Bus B Ph PG Isolator under LES Scheme.
JAIGAD - KARAD CKT - 2	IntraState	01/12/2023	23:52	04/12/2023	08:56	HT	HT to control Overvoltage
LONIKAND I - KOYNA STAGE-IV	IntraState	04/12/2023	01:10	04/12/2023	07:08	HT	H/T For Voltage Management.
400 KV ICT Outages/Trippings							

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 03/Dec/2023

Statement-VII

Position as on 6.30 Hrs of 04/Dec/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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.
STATION TRANSFORMER - 8A @ CHANDRAPUR SWITCHING SS	IntraState	01/12/2023	13:22			PO	R-PHASE BUSHING CHECKING, REPLACEMENT AND ASSOCIATED WORKS.
220 KV LINE Outages/Trippings							
GOREGAON - AAREY CKT - 2	IntraState	19/08/2023	07:13			PO	Outage proposed for bunching of 220kV Aarey-AEML Borivali Line (which is under outage) with 220kV Aarey-Goregaon Line-2. Work to be executed under MERC approved Aarey AIS to GIS project conversion scheme.
EKLAHARE (OCR) - PADGHE	IntraState	20/11/2023	17:31			HT	HT for load management from Padghe end
KALWA - SALESETTE CKT - 5	IntraState	03/12/2023	08:05	03/12/2023	08:48	PO	BIRD NEST REMOVAL
KALWA SALSETTE - 3	IntraState	03/12/2023	09:08	03/12/2023	15:37	PO	For Remove twist from C Ph twin Casablanca conductors and providing spacers on twin Casablanca conductors in span 27 to 30
ADLABS - PEDAMBE	IntraState	03/12/2023	10:35	03/12/2023	18:46	PO	Earthwire Replacement,Cold washing and other line maintenance work
TROMBAY MSETCL TIE - 1	IntraState	04/12/2023	00:00	04/12/2023	08:17	PO	FOR ATTENDING HOT SPOT AT TATA TROMBAY
TPC BORIVALI - AAREY	IntraState	04/12/2023	07:21			PO	Shifting 220kV Aarey-TPC Borivali Line from Bay no.18 to Bay no.16 and relay reconfiguration at both end
SOUTH SOLAPUR (KUMBHARI) - SOLAPUR (PG) CKT - 2	IntraState	04/12/2023	09:05			PO	Line side equipments AMP at 765kV Solapur Substation
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.
220/33 kV 50 MVA CGL PTR 1 @ MUDSHINGI	IntraState	04/12/2023	10:18			PO	Quarterly maint work
220 KV BUSBAR Outages/Trippings							
AUXILIARY BUS @ PADGHE	IntraState	14/09/2023	10:32			PO	For making twin bus conductor arrangements of 220kV Aux. Bus in upper section .
132 KV LINE Outages/Trippings							
MANSAR-PENCH	InterState	22/09/2023	07:10			HT	H/T FOR LOAD MANAGEMENT
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