

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 29/Oct/2023 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	165.878	4462.717	1) Gujrat	2.207	219.315
2) Hydro	6.599	417.305	2) Madhya Pradesh	6.682	196.586
3) Gas	3.451	154.778	3) Chattisgarh	7.840	158.800
Total MSPGCL	175.928	5034.800	4) Maharashtra	215.666	6186.385
B) 1) APLM	55.316	1810.047	5) Goa (Amona)	-1.666	-49.271
2) JSWEL	26.190	765.175	Total	230.729	6711.815
3) VIPL	0.000	0.000	a) Mumbai Schedule	33.259	1096.428
4) RPL(AMT)	25.172	752.167	b) Mumbai Drawl	33.174	1204.556
5) SWPGPL	7.271	211.252	c) MSEDCL Bilateral *	119.568	3082.670
6) Other IPP	10.174	189.276	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	33.259	1095.200
C) 1) TPCL Thermal	12.930	374.258	Include PX	0.000	0.000
2) TPCL Hydro	2.781	120.517	Standby	0.000	1.229
3) TPCL Gas	2.085	60.223	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.972	287.035	1) MSEDCL	514.819	14642.688
D) STATE			2) Mumbai Discoms	60.942	2046.589
1) Thermal	312.903	8851.927	3) Other Discoms	9.926	299.893
(A1+C1+C4+(B1-B6))			TOTAL STATE	585.687	16989.170
2) Hydro (A2+C2)	9.380	537.822			
3) Gas (A3+B7+C3)	5.536	215.001			
4) Wind	11.394	224.439			
6) SOLAR	15.745	448.166			
TOTAL STATE	354.958	10277.355			

* 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 15 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 23 Hrs
MSPGCL Thermal	7066	7137	7125	6794
MSPGCL Hydro	205	196	559	352
MSPGCL Gas	141	141	142	145
MSPGCL Total Generation	7412	7474	7826	7291
Central Sector Receipt	10606	10338	9209	8043
WIND	463	110	278	446
CPP / IPP Thermal	4957	5349	5710	5190
CPP / IPP Gas	0	0	0	0
SOLAR	2097	1692	0	0
Exchange with Mumbai	-1492	-1585	-1181	-1188
MSEDCL DEMAND MET	23606	22935	21389	19344
Load Shedding	0	0	0	0
MSEDCL DEMAND	23606	22935	21389	19344
TPCL GENERATION	694	701	1080	1037
AEML GENERATION	416	429	498	497
MUMBAI DEMAND	2602	2715	2759	2722
OTHER DISCOM DEMAND	437	442	453	438
STATE DEMAND MET	26645	26093	24601	22504
STATE DEMAND	26645	26093	24601	22504
Frequency (Hz)	49.98	50.00	50.03	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.21 Hz at 06.01 Hrs	49.83 Hz at 21.04 Hrs	49.99	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 29/Oct/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.42	118.13	190	180
Unit 8	14.14	263.10	633	533
Unit 9	14.57	395.87	640	565
Unit 10	8.92	320.58	510	0
Total	42.07	1097.68		
Bhusawal				
Unit 3	2.42	80.90	110	95
Unit 4	10.01	221.26	440	375
Unit 5	9.80	263.51	420	395
Total	22.24	565.67		
Parli				
Unit 6	5.02	141.97	246	140
Unit 7	5.10	129.20	230	166
Unit 8	4.74	126.87	212	170
Total	14.86	398.04		
Chandrapur				
Unit 3	3.44	77.61	160	81
Unit 4	3.62	88.33	154	146
Unit 5	0.00	34.06	0	0
Unit 6	9.41	206.06	420	345
Unit 7	7.91	207.27	338	308
Unit 8	11.46	306.46	491	465
Unit 9	6.51	266.97	450	0
Total	42.36	1186.74		
Paras				
Unit 3	5.24	144.20	230	207
Unit 4	4.82	147.80	235	116
Total	10.06	292.00		
Khaparkheda				
Unit 1	3.16	103.20	160	100
Unit 2	2.47	65.65	115	89
Unit 3	3.57	99.92	162	130
Unit 4	4.21	105.54	182	165
Unit 5	11.09	311.19	465	460
Total	24.49	685.50		
Nasik				
Unit 3	3.40	51.82	152	128
Unit 4	3.32	96.02	147	123
Unit 5	3.09	89.24	140	120
Total	9.80	237.07		
Uran				
All Units	3.45	154.78	147	140
Total	3.45	154.78		
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)	0.44	19.46	38	0
Total	0.44	19.46		
Koyna				
Stage 1-2	1.60	94.73	160	35

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.80	160.65	235	0
Stage 3	0.48	56.60	160	0
Total	2.88	311.97		
Hydro				
KDPH	0.86	2.06	36	36
VTRNA	0.00	0.65	0	0
TILLARI	0.00	2.79	0	0
BHIRA T.R.	0.14	7.61	40	0
SMLHY_PTN	2.28	67.65	96	92
GHATGHAR	0.00	5.12	0	0
Total	3.28	85.87		
Wind				
Total	11.39	224.44	0	0
Total	11.39	224.44		
CPP				
APML(Mus)	55.32	1810.05	0	0
JSWEL(Mus)	26.19	765.18	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.17	752.17	0	0
SWPGPL-Mus	7.27	211.25	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.87	120.64	249	242
Other(Mus)	1.44	16.54	0	0
JPL	2.86	52.10	129	77
Total	124.12	3727.92		
SOLAR				
Total	15.74	448.17	0	0
Total	15.74	448.17		
Tata				
Trombay 5	8.38	248.20	451	263
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.15	33.51	107	38
Trombay 7B	0.93	26.72	64	34
TATA Hydro	2.78	120.52	345	7
Trombay 8	4.54	126.06	221	130
Total	17.80	555.00		
AEML				
DTPS U-1&2	9.97	287.04	498	293
Total	9.97	287.04		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	165.88	4462.72	MSPGCL Total	175.93	5034.80
			MSPGCL Thml+Gas	169.33	4617.50	Koyna 1,2 & 4 Total	2.40	255.38
			MSPGCL Hydro	6.60	417.30	State Total	354.96	10277.36

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 29/Oct/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	6829	288	145	7262	556	5081	0	0	9641	9491	-1706	20295	0	0	20295	2596	389	23280	49.93
2	6700	171	146	7017	636	5402	0	0	9732	9562	-1531	20741	0	0	20741	2446	345	23532	49.98
3	6618	171	146	6935	731	5226	0	0	9780	9705	-1489	20787	0	0	20787	2293	321	23401	49.99
4	6529	171	146	6846	819	5023	0	0	9856	9790	-1378	20799	0	0	20799	2197	301	23297	49.97
5	6643	171	146	6960	903	5170	0	0	10177	9988	-1334	21361	0	0	21361	2146	326	23833	50.00
6	6762	176	146	7084	963	5077	0	0	10747	10379	-1367	21763	0	0	21763	2173	373	24309	50.02
7	6951	176	146	7273	963	4803	0	50	10931	10360	-1369	21697	0	12	21697	2164	383	24244	50.03
8	6859	295	146	7300	711	4632	0	470	10178	9852	-1368	21196	0	2	21196	2181	401	23778	50.00
9	6939	306	147	7392	510	4952	0	1288	9315	9532	-1189	22066	0	1	22066	2307	420	24792	50.03
10	6957	171	145	7273	513	4829	0	1716	10067	10077	-1332	22649	0	21	22649	2458	427	25534	49.98
11	7066	205	141	7412	463	4957	0	2097	10546	10606	-1492	23606	0	64	23606	2602	437	26645	49.98
12	6993	208	141	7342	281	4828	0	2269	10713	10700	-1540	23430	0	70	23430	2680	449	26560	49.97
13	6969	220	140	7329	166	4741	0	2164	10624	10540	-1542	22968	0	61	22968	2688	430	26086	49.97
14	7021	184	140	7345	100	4905	0	2101	10189	10142	-1555	22592	0	58	22592	2673	446	25711	50.01
15	7137	196	141	7474	110	5349	0	1692	10655	10338	-1585	22935	0	54	22935	2715	442	26093	50.00
16	7095	209	140	7444	88	5569	0	1227	10881	10602	-1701	22776	0	10	22776	2751	453	25980	49.97
17	7173	465	142	7780	122	5721	0	587	10511	9334	-1411	21666	0	49	21666	2721	467	24854	49.99
18	7275	466	142	7883	189	5574	0	84	9618	9025	-1166	21130	0	20	21130	2657	459	24246	50.01
19	7125	559	142	7826	278	5710	0	0	9880	9209	-1181	21389	0	0	21389	2759	453	24601	50.03
20	6874	410	143	7427	436	5988	0	0	9268	8973	-1174	21198	0	0	21198	2793	452	24443	50.01
21	6851	295	144	7290	396	5361	0	0	8592	8227	-1224	19598	0	0	19598	2756	452	22806	49.98
22	6898	365	145	7408	408	5136	0	0	8298	7923	-1206	19225	0	0	19225	2733	444	22402	49.98
23	6794	352	145	7291	446	5190	0	0	8324	8043	-1188	19344	0	0	19344	2722	438	22504	50.01
24	6820	369	146	7335	606	4899	0	0	8600	8331	-1146	19606	0	0	19606	2731	419	22756	50.03
MUs	165.88	6.60	3.45	175.93	11.39	124.12	0.00	15.75	237.12	230.73	-33.17	514.82	0.00	0.42	514.82	60.94	9.93	585.69	49.99

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)132Kv Sangamner-BBLR,Sangamner-Rahuri line overload & 50MVA TF-1&2 overload at Kopergaon.2)Due to overloading of 220Kv Jejuri-Lonad & 220Kv Jejuri-Baramati line.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 29/Oct/2023

Position as on 6.30 Hrs of 30/Oct/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	Koyana Unit 11	80	10/07/2023	09:40		Continued.	COH	07/12/2023
FORCED OUTAGE								
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule.(NO PPA)	
PGPL	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)	
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	08/11/2023
MSPGCL	Uran Unit A0	120	07/09/2022	16:30		Continued.	TURBINE TRIPPED ON HIGH VIBRATIONS	31/03/2024
IPP	SWPGPL U-4	135	29/09/2023	00:03		Continued.	Turbine Bearing no.4 temperature high	30/10/2023
MSPGCL	Uran Unit 6	108	05/10/2023	00:29		Continued.	Gas shortage	
IPP	SWPGPL U-3	135	10/10/2023	23:56	29/10/2023	06:20	Electrostatic precipitator problem	29/10/2023
MSPGCL	Chandrapur Unit 5	500	11/10/2023	08:12		Continued.	Turbine Vibration High.	30/10/2023
IPP	RPL(AMT) U-2	270	12/10/2023	07:59		Continued.	Tripped Due to Electrical protection opted.	20/11/2023
MSPGCL	Uran Unit 8	108	22/10/2023	12:17		Continued.	Gas shortage	
MSPGCL	Chandrapur Unit 9	500	26/10/2023	20:00	29/10/2023	04:57	Boiler Tube Leakage	28/10/2023
MSPGCL	Ghatghar Unit-2	125	27/10/2023	00:00		Continued.	Guide vain not openning	
MSPGCL	Koradi Unit-10	660	29/10/2023	19:03		Continued.	Boiler Tube Leakage	01/11/2023

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Oct/2023

Statement-VII

Position as on 6.30 Hrs of 30/Oct/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400 KV MAINBAY Outages/Trippings							
400KV MAIN BAY 407 GT 2 @ NANDGAONPETH	InterState	27/10/2023	06:20			PO	407CB maintenance and testing is due. Hence, 407CB Maintenance, CRM, Circuit Breaker Timing, DCRM, SF6 Dew point test. Gt-2 Over head protection relay, LBB relay and its BCU relay testing. 407 Protection CT tan delta testing are planned. General Maintenance & trial of 408 Tie CB will be carried out. Unit#2 is in forced outage. Hence, Opportunity works are planned.
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
PADGHE - BOISAR (PG)	InterState	27/10/2023	12:32			HT	Outage proposed by Powergrid.
400KV-PARLI NEW-PARLI-M-2	InterState	28/10/2023	23:23	29/10/2023	07:25	HT	Emergency outage for replacement of isolator arm.
KALWA - TALEGAON (PG)	InterState	29/10/2023	17:00			PO	400KV Kalwa-Talegaon(PG) line tap on 400KV Kalwa-Kharghar line For bunching between 400KV Kalwa-Talegaon & 400KV Kalwa-Kharghar Line between Loc no. 153-154 for erection of newly proposed 2 nos. of tower in between Loc no. 195-197 for MMRDA Katai Naka Bridge.
BABHALESHWAR - RPL(NSK) CKT - 1	IntraState	01/08/2023	09:21			EO	For attending Oil Leakage Problem of ȳȳȳ 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.
AURANGABAD(MS) - PUNE (GIS) CKT - 1	IntraState	03/10/2023	08:04			HT	H/T for load management.
KALWA - KHARGHAR	IntraState	29/10/2023	04:14	29/10/2023	16:02	PO	Changing of phase sequence at 400 KV Kalwa SS end & 400KV Kharghar SS end.
KHARGHAR - VIKHROLI GIS CKT - 1	IntraState	29/10/2023	04:43			HT	Line Hand tripped for safety purpose during tap period of Katai nakka.
KHARGHAR - VIKHROLI GIS CKT - 2	IntraState	29/10/2023	04:45			HT	Line Hand tripped for safety purpose during tap period of Katai nakka.
KORADI II - KORADI III CKT - 1	IntraState	29/10/2023	08:55	29/10/2023	11:20	EO	Attending hot spot
KALWA - KHARGHAR	IntraState	29/10/2023	16:43	30/10/2023	06:09	PO	400KV Kalwa-Talegaon(PG) line tap on 400KV Kalwa-Kharghar line For bunching between 400KV Kalwa-Talegaon & 400KV Kalwa-Kharghar Line between Loc no. 153-154 for erection of newly proposed 2 nos. of tower in between Loc no. 195-197 for MMRDA Katai Naka Bridge.
CHANDRAPUR - KHAPERKHEDA	IntraState	30/10/2023	07:03			PO	Routine Maint. Work
400 KV ICT Outages/Trippings							

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Oct/2023

Statement-VII

Position as on 6.30 Hrs of 30/Oct/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	23/10/2023	00:10			EO	CHECKING AND TESTING OF TRANSFORMER
400/220KV 500 MVA ICT - 1 @ VIKHROLI GIS	IntraState	28/10/2023	22:20			PO	1) ICTs Hand tripped for safety purpose during tap period of Katai nakka 2) Removal of Tata Power 220KV Lines passing over Vikhroli Substation
400/220KV 500 MVA ICT - 2 @ VIKHROLI GIS	IntraState	28/10/2023	22:27			PO	1) ICTs Hand tripped for safety purpose during tap period of Katai nakka 2) Removal of Tata Power 220KV Lines passing over Vikhroli Substation
400/220KV 500 MVA ICT - 3 @ VIKHROLI GIS	IntraState	28/10/2023	22:32			PO	1) ICTs Hand tripped for safety purpose during tap period of Katai nakka 2) Removal of Tata Power 220KV Lines passing over Vikhroli Substation
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	06/10/2023	07:37	29/10/2023	15:45	HT	Kept Handtripped from padghe end for load managment
URSE - M. HINODAYA CO	IntraState	24/10/2023	10:08			PO	B-ph check CT replacement at consumer end & CB overhauling work at Urse bay MSETCL.
EKLAHARE (OCR) - NAVASARI CKT - 2	IntraState	26/10/2023	20:16			HT	Charged from Navsary end only
GHODBUNDER - MSETCL BOISAR	IntraState	28/10/2023	17:15	29/10/2023	01:28	PO	Replacement of old hardware at critical locations.
TALEGAON (AMBI)-GENERAL MOTORS	IntraState	29/10/2023	10:13	29/10/2023	14:39	PO	Y-ph LA replacement, Half yearly maintenance, Diagnostic Testing
220 KV PARLI -U-8 - PARBHANI CKT	IntraState	29/10/2023	13:00	29/10/2023	17:12	EO	NT Switch replacement by testing unit Parbhani
CHIKHALI-JALNA II	IntraState	29/10/2023	13:53	29/10/2023	16:16	EO	Urgent fixing of suspension jump dislocate form the SSN String work.
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.
220/100 KV 200 MVA ICT 1 @ BORIVALI	IntraState	12/10/2023	10:19			PO	For replacement of various EHV equipments under LE Scheme. The old EHV equipments are to be replaced under LE Scheme whose details are as given below - 1. 220 kV Circuit Breaker - 1 No. 2. 220 kV Lightning Arrestors - 3 Nos. 3. 100 kV Potential Transformers - 6 Nos. 4. 100 kV Isolators - 9 Nos. Also the Anti Corrosive Painting of ICT-1 will be carried out in this outage.
220 KV BUSBAR Outages/Trippings							

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Oct/2023

Statement-VII

Position as on 6.30 Hrs of 30/Oct/2023

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