

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 25/Oct/2023 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	146.294	3815.137	1) Gujrat	4.249	211.233
2) Hydro	7.152	389.183	2) Madhya Pradesh	7.745	167.832
3) Gas	2.831	141.004	3) Chattisgarh	7.770	126.580
Total MSPGCL	156.277	4345.324	4) Maharashtra	241.070	5259.473
B) 1) APLM	60.095	1582.053	5) Goa (Amona)	-2.003	-41.924
2) JSWEL	27.822	655.043	Total	258.831	5723.194
3) VIPL	0.000	0.000	a) Mumbai Schedule	44.036	942.105
4) RPL(AMT)	25.597	650.478	b) Mumbai Drawl	46.848	1040.615
5) SWPGPL	6.346	185.000	c) MSEDCL Bilateral *	126.626	2606.615
6) Other IPP	9.475	149.458	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	44.036	940.876
C) 1) TPCL Thermal	11.507	328.211	Include PX	0.000	0.000
2) TPCL Hydro	2.972	107.988	Standby	0.000	1.229
3) TPCL Gas	2.083	51.922	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.559	249.197	1) MSEDCL	510.177	12561.689
D) STATE			2) Mumbai Discoms	72.969	1777.933
1) Thermal	296.695	7614.577	3) Other Discoms	10.691	258.873
(A1+C1+C4+(B1-B6))			TOTAL STATE	593.837	14598.495
2) Hydro (A2+C2)	10.124	497.171			
3) Gas (A3+B7+C3)	4.914	192.926			
4) Wind	8.002	186.201			
6) SOLAR	15.271	384.426			
TOTAL STATE	335.006	8875.301			

* 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 4 Hrs
MSPGCL Thermal	6093	6029	6071	6293
MSPGCL Hydro	374	175	802	128
MSPGCL Gas	142	141	143	1
MSPGCL Total Generation	6609	6345	7016	6422
Central Sector Receipt	12387	12533	11486	8697
WIND	213	193	271	568
CPP / IPP Thermal	5289	5258	6096	4887
CPP / IPP Gas	0	0	0	0
SOLAR	2026	1702	0	0
Exchange with Mumbai	-2375	-2397	-1799	-1470
MSEDCL DEMAND MET	23665	23155	22568	18764
Load Shedding	0	0	0	0
MSEDCL DEMAND	23665	23155	22568	18764
TPCL GENERATION	655	658	1175	540
AEML GENERATION	433	486	445	335
MUMBAI DEMAND	3463	3541	3419	2345
OTHER DISCOM DEMAND	484	479	501	340
STATE DEMAND MET	27612	27175	26489	21449
STATE DEMAND	27612	27175	26489	21449
Frequency (Hz)	49.99	49.97	50.04	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.17 Hz at 13:02 Hrs	49.78 Hz at 20:50 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 25/Oct/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.14	101.43	185	160
Unit 8	0.00	209.26	0	0
Unit 9	14.51	336.33	625	565
Unit 10	14.20	272.50	614	547
Total	32.85	919.52		
Bhusawal				
Unit 3	2.24	71.43	115	80
Unit 4	0.00	185.82	0	0
Unit 5	10.04	224.10	455	310
Total	12.28	481.35		
Parli				
Unit 6	4.81	121.35	239	107
Unit 7	5.33	108.50	248	173
Unit 8	5.36	106.45	249	167
Total	15.50	336.30		
Chandrapur				
Unit 3	3.08	63.81	155	100
Unit 4	3.64	73.71	156	138
Unit 5	0.00	34.06	0	0
Unit 6	8.82	169.06	410	320
Unit 7	7.90	175.07	366	280
Unit 8	11.23	261.75	481	449
Unit 9	8.04	253.88	356	323
Total	42.72	1031.33		
Paras				
Unit 3	5.42	123.78	237	216
Unit 4	5.28	127.50	226	208
Total	10.70	251.28		
Khaparkheda				
Unit 1	3.54	91.18	170	100
Unit 2	1.93	57.24	97	63
Unit 3	3.86	85.00	169	146
Unit 4	4.23	89.51	191	140
Unit 5	10.72	268.17	465	420
Total	24.29	591.10		
Nasik				
Unit 3	1.24	45.92	144	0
Unit 4	3.54	82.08	158	133
Unit 5	3.18	76.25	139	125
Total	7.96	204.25		
Uran				
All Units	2.83	141.00	146	0
Total	2.83	141.00		
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)	0.20	17.84	51	0
Total	0.20	17.84		
Koyna				
Stage 1-2	2.48	86.45	470	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	1.00	156.37	397	0
Stage 3	1.16	53.74	160	0
Total	4.63	296.56		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	0.65	0	0
TILLARI	0.00	2.79	0	0
BHIRA T.R.	0.10	7.07	40	0
SMLHY_PTN	1.76	59.16	79	68
GHATGHAR	0.47	5.12	125	0
Total	2.33	74.78		
Wind				
Total	8.00	186.20	0	0
Total	8.00	186.20		
CPP				
APML(Mus)	60.10	1582.05	0	0
JSWEL(Mus)	27.82	655.04	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.60	650.48	0	0
SWPGPL-Mus	6.35	185.00	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.85	97.16	267	221
Other(Mus)	1.03	11.43	0	0
JPL	2.60	40.88	127	69
Total	129.34	3222.03		
SOLAR				
Total	15.27	384.43	0	0
Total	15.27	384.43		
Tata				
Trombay 5	7.54	217.98	431	262
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.16	28.94	105	38
Trombay 7B	0.92	22.98	63	34
TATA Hydro	2.97	107.99	394	46
Trombay 8	3.96	110.24	219	130
Total	16.56	488.12		
AEML				
DTPS U-1&2	9.56	249.20	501	306
Total	9.56	249.20		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	146.29	3815.14	MSPGCL Total	156.28	4345.32
			MSPGCL Thml+Gas	149.12	3956.14	Koyna 1,2 & 4 Total	3.47	242.82
			MSPGCL Hydro	7.15	389.18	State Total	335.01	8875.30

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 25/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	6104	118	145	6367	629	4695	0	0	9213	8962	-1893	18366	0	0	18366	2853	394	21613	49.98
2	6146	119	146	6411	657	4764	0	0	9046	8959	-1763	18661	0	0	18661	2648	367	21676	49.97
3	6208	118	142	6468	629	4936	0	0	8934	8641	-1583	18737	0	0	18737	2469	354	21560	50.01
4	6293	128	1	6422	568	4887	0	0	8813	8697	-1470	18764	0	0	18764	2345	340	21449	50.02
5	6334	117	0	6451	492	5183	0	0	9128	9085	-1425	19442	0	0	19442	2281	344	22067	49.99
6	6303	118	10	6431	407	4979	0	0	10275	10266	-1475	20227	0	0	20227	2337	381	22945	49.98
7	6251	260	44	6555	309	4922	0	50	11055	11046	-1519	20953	0	4	20953	2413	410	23776	49.99
8	6183	273	88	6544	212	5573	0	457	10646	10643	-1600	21389	0	1	21389	2557	440	24386	49.95
9	6204	347	124	6675	172	5276	0	1109	10933	11132	-1978	21910	0	0	21910	2860	476	25246	49.96
10	6185	292	136	6613	189	5484	0	1687	11799	11544	-2214	22822	0	13	22822	3209	481	26512	50.00
11	6093	374	142	6609	213	5289	0	2026	12767	12387	-2375	23665	0	217	23665	3463	484	27612	49.99
12	5745	321	142	6208	193	4620	0	2168	13022	12633	-2329	23005	0	337	23005	3576	488	27069	49.98
13	5726	383	139	6248	173	4545	0	2185	12639	12476	-2286	22852	0	155	22852	3553	489	26894	49.99
14	6049	293	141	6483	208	4800	0	2043	12037	12128	-2256	22913	0	14	22913	3466	493	26872	49.98
15	6029	175	141	6345	193	5258	0	1702	12783	12533	-2397	23155	0	181	23155	3541	479	27175	49.97
16	5961	239	140	6340	261	5584	0	1179	12714	12461	-2349	22974	0	63	22974	3613	502	27089	50.02
17	5920	569	142	6631	271	5896	0	564	11633	11401	-2085	22182	0	177	22182	3568	496	26246	49.96
18	6010	1050	142	7202	256	6171	0	101	10481	10432	-1820	21850	0	0	21850	3449	492	25791	49.96
19	6071	802	143	7016	271	6096	0	0	11316	11486	-1799	22568	0	0	22568	3419	501	26489	50.04
20	6074	289	144	6507	246	6127	0	0	11330	11694	-2027	22062	0	0	22062	3284	484	25831	50.05
21	6095	289	144	6528	240	6155	0	0	10526	10374	-2197	20618	0	0	20618	3124	482	24224	49.96
22	6133	189	144	6466	348	6039	0	0	10239	9939	-2080	20251	0	0	20251	2993	461	23705	50.00
23	6110	123	145	6378	415	6063	0	0	10032	9855	-1991	20284	0	0	20284	2973	436	23693	50.01
24	6067	165	146	6378	450	5993	0	0	10419	10059	-1937	20525	0	0	20525	2975	418	23918	50.02
MUs	146.29	7.15	2.83	156.28	8.00	129.33	0.00	15.27	261.78	258.83	-46.85	510.18	0.00	1.16	510.18	72.97	10.69	593.84	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) DLS was implemented as to avoid LTS operation, which would have affected large quantum of load at 400kv jejuri s/s. 2) ELR carried out due to 132 kV Sangamner-BBLR line over load. 3) FLS done for load management due to 220kV Ionand-Jejuri line over loading.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 25/Oct/2023

Position as on 6.30 Hrs of 26/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	28/10/2023
MSPGCL	Uran Unit 6	108	05/10/2023	00:29		Continued.	Gas shortage	
IPP	SWPGPL U-3	135	10/10/2023	23:56		Continued.	Electrostatic precipitator problem	26/10/2023
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	Koradi Unit 8	660	16/10/2023	10:40	26/10/2023	05:35	Boiler Tube Leakage	26/10/2023
MSPGCL	Uran Unit 8	108	22/10/2023	12:17		Continued.	Gas shortage	
MSPGCL	Bhusawal Unit 4	500	23/10/2023	02:52	26/10/2023	06:44	PA Fan problem	26/10/2023
MSPGCL	Uran Unit B0	120	25/10/2023	03:01		Continued.	CTO high protection.	25/10/2023
MSPGCL	Uran Unit 7	108	25/10/2023	03:01	25/10/2023	05:32	CTO High Protection.	25/10/2023
MSPGCL	Nasik Unit 3	210	25/10/2023	09:27		Continued.	ID Fan Problem	
MSPGCL	Koyana STG-IV Unit-1	250	25/10/2023	16:45	25/10/2023	17:20	Air drain valve problem	
MSPGCL	Koyana STG-IV Unit-2	250	25/10/2023	16:45	25/10/2023	17:20	Air drain valve problem	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Oct/2023

Statement-VII

Position as on 6.30 Hrs of 26/Oct/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400 KV TIEBAY Outages/Trippings							
414 TIE BAY OF ICT 2 @ TAPTITANDA	IntraState	25/10/2023	14:03			PO	Circuit Breaker Mechanism overhauling work to be carried out by M/s CGL through M/s Ajaydeep
400 KV MAINBAY Outages/Trippings							
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
BABHALESHWAR - RPL(NSK) CKT - 1	IntraState	01/08/2023	09:21			EO	For attending Oil Leakage Problem of $\Delta Y \Delta$ 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.
KHADKA-AURANGABAD (WALUJ)	IntraState	24/10/2023	19:40	25/10/2023	05:40	HT	H/T on overvoltage
DABHOL - NAGOTHANE CKT - 1	IntraState	25/10/2023	09:26	26/10/2023	00:21	PO	Cold washing
KORADI - KHAPERKHEDA CKT - 1	IntraState	25/10/2023	10:49	25/10/2023	16:35	PO	Tan Delta & Capacitance of Main CTs & Isolator Maintenance Work
MAIN BUS - 2 @ KORADI-3	IntraState	25/10/2023	14:38	26/10/2023	21:24	PO	Annual Maintenance Bus Equipments at Koradi-III SS
DABHOL - NEW KOYNA CKT - 1	IntraState	26/10/2023	04:02	26/10/2023	05:11	T	Tripped from Dabhol end only
KORADI-NANDGAONPETH (RPL)	IntraState	26/10/2023	06:36			PO	Routine Maint. 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.
STATION TRANSFORMER - 8A @ CHANDRAPUR SWITCHING SS	IntraState	23/10/2023	00:10			EO	CHECKING AND TESTING OF TRANSFORMER
400 KV BR Outages/Trippings							
BUS REACTOR (125 MVar) - 2 @ KOLHAPUR (TALANDGE)	IntraState	25/10/2023	09:14	25/10/2023	20:49	PO	Reactor AMP
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			HT	Kept Handtripped from padghe end for load management
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.
PADGHE - PAL DOMBIVALI	IntraState	25/10/2023	02:49	25/10/2023	05:19	T	Tripped on Distance Protection.
EKLAHARE (OCR) - NAVASARI CKT - 1	IntraState	25/10/2023	09:10	25/10/2023	18:55	PO	Routine bay maintenance & line maintenance
POPHLI PEDHMBE LINE- 1	IntraState	25/10/2023	09:40	25/10/2023	12:35	PO	To Attend Y phase Circuit Breaker to Line side isolator conductor unwound strands
NERLE - DASGAON	IntraState	25/10/2023	10:02	25/10/2023	18:57	PO	Relay Testing Work
PANDHARPUR - MALINAGAR	IntraState	25/10/2023	11:21	25/10/2023	19:05	PO	Outage is required for Cold line washing of strings
ABHIJEET-WARDHA-II	IntraState	25/10/2023	12:04	25/10/2023	14:56	PO	Ct Tan Delta Measurement.

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Oct/2023

Statement-VII

Position as on 6.30 Hrs of 26/Oct/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
GHATGHAR - BAPGAON	IntraState	25/10/2023	12:10	25/10/2023	19:06	PO	220kV Ghatghar Line Bay 'B' Bus Isolator Maintenance work after shifting the line on TBC.
MAIN BUS- B @ BAPGAON	IntraState	25/10/2023	12:20	25/10/2023	18:40	PO	For 220kV Bus-B PT maintenance & Painting work and checking of oil leakages if any & 220kV Ghatghar Line Bay 'B' Bus Isolator Maintenance work.
SOUTH SOLAPUR (KUMBHARI) - SOLAPUR (PG) CKT - 2	IntraState	25/10/2023	12:57	25/10/2023	16:04	PO	Outage is required for Quarterly Maintenance
220 KV PARLI -U-8 - PARBHANI CKT	IntraState	25/10/2023	13:21	25/10/2023	15:10	PO	Distance Protection
MAIN BUS - 2 @ SOUTH SOLAPUR	IntraState	25/10/2023	13:25	25/10/2023	15:50	PO	Outage is required for Quarterly Maintenance
KADEGAON-MIRAJ	IntraState	25/10/2023	16:01	25/10/2023	19:44	PO	String Replacement Work at Loc No.193R Ph
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.
220/100 KV 200 MVA ICT 2 @ KOLSHET	IntraState	25/10/2023	10:51	25/10/2023	17:24	PO	To attend the problem of Trip Circuit Faulty B-ph TC- 1 and TC -2 HV CB work will be attended by Testing Batch Kalwa.
220/132-110/11KV 200MVA VID ICT 1 @ MIRAJ	IntraState	25/10/2023	15:07	25/10/2023	16:46	PO	Hot Spot attending Work at HV side isolator jaw
220 / 110 / 33kV 250MVA AT 2 @ BACKBAY	IntraState	26/10/2023	00:52	26/10/2023	02:25		Inspection of AT 2 NGT Cable Box.
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.
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