

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 14/Nov/2023 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	160.323	2367.006	1) Gujrat	4.303	39.005
2) Hydro	5.472	108.691	2) Madhya Pradesh	5.897	60.188
3) Gas	3.315	77.889	3) Chattisgarh	8.670	108.020
Total MSPGCL	169.110	2553.586	4) Maharashtra	181.686	2883.581
B) 1) APLM	20.294	717.551	5) Goa (Amona)	-1.472	-19.902
2) JSWEL	23.402	346.649	Total	199.084	3070.892
3) VIPL	0.000	0.000	a) Mumbai Schedule	38.537	542.033
4) RPL(AMT)	25.188	333.853	b) Mumbai Drawl	42.039	574.842
5) SWPGPL	9.832	143.353	c) MSEDCL Bilateral *	75.292	1361.856
6) Other IPP	28.553	305.231	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	38.537	542.016
C) 1) TPCL Thermal	9.608	170.063	Include PX	0.000	0.000
2) TPCL Hydro	2.014	36.284	Standby	0.000	0.017
3) TPCL Gas	1.808	32.437	H) ENERGY CATERED (MUs)		
4) AEML Thermal	4.397	123.456	1) MSEDCL	442.722	7063.984
D) STATE			2) Mumbai Discoms	59.866	937.079
1) Thermal	281.597	4507.162	3) Other Discoms	10.124	146.399
(A1+C1+C4+(B1-B6))			TOTAL STATE	512.712	8147.462
2) Hydro	7.486	144.975			
(A2+C2)					
3) Gas	5.123	110.326			
(A3+B7+C3)					
4) Wind	6.256	132.325			
6) SOLAR	13.166	181.785			
TOTAL STATE	313.628	5076.573			

* 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 13 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 23 Hrs
MSPGCL Thermal	6559	6162	6787	6839
MSPGCL Hydro	257	251	232	177
MSPGCL Gas	132	132	136	141
MSPGCL Total Generation	6948	6545	7155	7157
Central Sector Receipt	9482	9545	8665	6955
WIND	99	71	290	315
CPP / IPP Thermal	4166	4069	4635	4616
CPP / IPP Gas	0	0	0	0
SOLAR	1988	1954	0	0
Exchange with Mumbai	-1921	-1944	-1748	-1847
MSEDCL DEMAND MET	20300	19778	18550	16757
Load Shedding	0	0	0	0
MSEDCL DEMAND	20300	19778	18550	16757
TPCL GENERATION	559	528	732	565
AEML GENERATION	194	198	239	175
MUMBAI DEMAND	2674	2670	2719	2587
OTHER DISCOM DEMAND	462	462	447	439
STATE DEMAND MET	23436	22910	21716	19783
STATE DEMAND	23436	22910	21716	19783
Frequency (Hz)	50.05	50.04	49.99	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.27 Hz at 13.21 Hrs	49.69 Hz at 17.42 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 14/Nov/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.72	57.02	175	130
Unit 8	8.87	136.34	620	0
Unit 9	14.48	186.72	615	575
Unit 10	14.18	194.87	601	570
Total	41.25	574.95		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	10.13	113.76	455	285
Unit 5	9.69	134.44	445	285
Total	19.82	248.20		
Parli				
Unit 6	4.41	66.49	242	148
Unit 7	4.16	54.19	238	144
Unit 8	4.81	71.50	250	149
Total	13.38	192.18		
Chandrapur				
Unit 3	3.14	48.67	150	100
Unit 4	3.57	50.11	155	136
Unit 5	10.41	143.98	465	345
Unit 6	8.45	114.60	380	280
Unit 7	8.11	108.85	354	277
Unit 8	11.21	151.50	488	441
Unit 9	11.18	154.50	477	420
Total	56.07	772.21		
Paras				
Unit 3	5.46	75.81	240	151
Unit 4	5.67	75.40	252	223
Total	11.13	151.21		
Khaparkheda				
Unit 1	4.06	46.38	175	145
Unit 2	3.08	39.09	138	113
Unit 3	3.55	52.22	175	0
Unit 4	0.00	36.95	0	0
Unit 5	1.21	141.00	470	0
Total	11.90	315.64		
Nasik				
Unit 3	3.43	41.17	164	127
Unit 4	3.35	45.87	154	126
Unit 5	0.00	25.59	0	0
Total	6.78	112.62		
Uran				
All Units	3.32	77.89	144	132
Total	3.32	77.89		
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)	0.23	12.14	43	0
Total	0.23	12.14		
Koyna				
Stage 1-2	1.48	28.14	205	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.00	12.96	0	0
Stage 3	0.51	9.73	80	0
Total	1.99	50.83		
Hydro				
KDPH	0.00	6.08	0	0
VTRNA	0.00	0.00	0	0
TILLARI	0.00	0.00	0	0
BHIRA T.R.	0.10	2.14	40	0
SMLHY_PTN	3.15	36.05	133	129
GHATGHAR	0.00	1.46	0	0
Total	3.25	45.72		
Wind				
Total	6.26	132.32	0	0
Total	6.26	132.32		
CPP				
APML(Mus)	20.29	717.55	0	0
JSWEL(Mus)	23.40	346.65	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.19	333.85	0	0
SWPGPL-Mus	9.83	143.35	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.21	74.43	257	187
Other(Mus)	23.34	225.99	0	0
JPL	0.00	4.81	0	0
Total	107.27	1846.64		
SOLAR				
Total	13.17	181.78	0	0
Total	13.17	181.78		
Tata				
Trombay 5	6.38	111.09	272	261
Trombay 6	0.00	0.00	0	0
Trombay 7A	0.98	18.65	42	38
Trombay 7B	0.83	13.78	35	32
TATA Hydro	2.01	36.28	253	27
Trombay 8	3.23	58.97	145	133
Total	13.43	238.78		
AEML				
DTPS U-1&2	4.40	123.46	242	149
Total	4.40	123.46		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	160.32	2367.01	MSPGCL Total	169.11	2553.59
			MSPGCL Thml+Gas	163.64	2444.90	Koyna 1,2 & 4 Total	1.48	41.10
			MSPGCL Hydro	5.47	108.69	State Total	313.63	5076.57

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 14/Nov/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	7490	195	140	7825	219	4404	0	0	7282	7019	-1865	17204	0	0	17204	2596	398	20198	50.00
2	7060	351	141	7552	258	4391	0	0	7154	7162	-1713	17296	0	0	17296	2415	354	20065	50.00
3	6810	221	142	7173	273	4548	0	0	7304	7376	-1561	17472	0	0	17472	2262	337	20071	50.01
4	6653	171	141	6965	268	4732	0	0	7572	7257	-1477	17425	0	0	17425	2156	320	19901	50.03
5	6566	177	142	6885	418	4913	0	0	7945	7881	-1461	18286	0	0	18286	2118	350	20754	50.01
6	6476	172	142	6790	532	4955	0	0	8720	8482	-1494	18901	0	0	18901	2146	364	21411	50.02
7	6419	189	144	6752	571	4755	0	32	9093	8890	-1498	19102	0	0	19102	2156	400	21658	50.00
8	6461	260	143	6864	437	4652	0	340	8584	8562	-1481	18950	0	0	18950	2186	424	21560	49.91
9	6554	274	142	6970	319	4650	0	912	8276	8256	-1577	19109	0	2	19109	2317	421	21847	49.91
10	6616	228	139	6983	257	4372	0	1480	8522	9183	-1763	20070	0	4	20070	2474	442	22986	49.96
11	6772	331	138	7241	152	4230	0	1854	9096	9141	-1832	20336	0	8	20336	2617	450	23403	50.02
12	6559	257	132	6948	99	4166	0	1988	9622	9482	-1921	20300	0	15	20300	2674	462	23436	50.05
13	6162	251	132	6545	71	4069	0	1954	9443	9545	-1944	19778	0	14	19778	2670	462	22910	50.04
14	6161	256	132	6549	83	4050	0	1786	9302	9506	-1929	19617	0	8	19617	2618	428	22663	50.09
15	6617	251	134	7002	94	4178	0	1410	9221	9288	-1938	19597	0	5	19597	2649	437	22683	49.99
16	6873	249	133	7255	106	4222	0	953	9361	8987	-1960	19103	0	5	19103	2666	460	22229	49.99
17	6822	257	132	7211	173	4146	0	391	9102	8825	-1860	18417	0	0	18417	2610	469	21496	50.01
18	6657	246	135	7038	240	4263	0	66	8367	8360	-1676	17812	0	0	17812	2591	479	20882	49.85
19	6787	232	136	7155	290	4635	0	0	8709	8665	-1748	18550	0	0	18550	2719	447	21716	49.99
20	6696	215	137	7048	229	4590	0	0	8505	8236	-1865	17775	0	0	17775	2734	463	20972	50.04
21	6746	171	136	7053	305	4522	0	0	7585	7532	-1909	17048	0	0	17048	2685	455	20188	49.99
22	6753	170	140	7063	255	4586	0	0	7341	7141	-1868	16721	0	0	16721	2644	456	19821	50.02
23	6839	177	141	7157	315	4616	0	0	7297	6955	-1847	16757	0	0	16757	2587	439	19783	49.98
24	6774	171	141	7086	292	4624	0	0	7398	7353	-1852	17096	0	0	17096	2576	407	20079	50.02
MUs	160.32	5.47	3.32	169.11	6.26	107.27	0.00	13.17	200.80	199.08	-42.04	442.72	0.00	0.06	442.72	59.87	10.12	512.71	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 :-

1) ELR done due to 132KV BBLSR-Rahuri line overload. (2) ELR done due to 132/33KV 25MVA T/F overload at 132KV Wadzire S/Stn.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 14/Nov/2023

Position as on 6.30 Hrs of 15/Nov/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
AEML	AEML Unit 1	250	11/11/2023	21:17		Continued.	For Boiler license renewal	21/11/2023
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	30/11/2023
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.	20/11/2023
MSPGCL	Bhusawal Unit 3	210	31/10/2023	23:45		Continued.	ID Fan Problem	16/11/2023
IPP	JPL Unit 1	150	03/11/2023	00:01		Continued.	For attending Hotspot of 220 KV Evacuation Line	20/11/2023
IPP	SWPGPL U-3	135	09/11/2023	00:09	14/11/2023	17:02	SSC CHAIN PROBLEM.	14/11/2023
MSPGCL	Nasik Unit 5	210	09/11/2023	15:48		Continued.	ID Fan Problem	15/11/2023
MSPGCL	Khaparkheda Unit 4	210	10/11/2023	13:48		Continued.	Air heater 4A stopped rotating	15/11/2023
MSPGCL	Uran Unit 7	108	11/11/2023	00:14		Continued.	Gas shortage	
IPP	Adani U-3	660	11/11/2023	22:00		Continued.	Zero Schedule	16/11/2023
IPP	Adani U-2	660	12/11/2023	00:37		Continued.	Zero Schedule	16/11/2023
IPP	Adani U-1	660	12/11/2023	14:11		Continued.	Zero Schedule	16/11/2023
MSPGCL	Koradi Unit 8	660	14/11/2023	01:23	14/11/2023	08:51	Generator protection	15/11/2023
MSPGCL	Khaparkheda Unit 5	500	14/11/2023	02:56		Continued.	Boiler Tube Leakage	17/11/2023
MSPGCL	Khaparkheda Unit 3	210	14/11/2023	16:03	14/11/2023	18:53	ID Fan Problem	14/11/2023

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Nov/2023

Statement-VII

Position as on 6.30 Hrs of 15/Nov/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	14/11/2023	19:15	15/11/2023	00:22	EO	FOR ATTENDING LOW OIL LEVEL ALARM (DUE TO LESS LOAD AND LOW AMBIENT TEMP)
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
BABHALESHWAR - RPL(NSK) CKT - 1	IntraState	01/08/2023	09:21			EO	For attending Oil Leakage Problem of ɛYɛ 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.
KHARGHAR - VIKHROLI GIS CKT - 2	IntraState	29/10/2023	04:45			HT	Line Hand tripped for safety purpose during tap period of Katai nakka.
JAIGAD - KARAD CKT - 1	IntraState	11/11/2023	23:55	14/11/2023	10:23	HT	H/T on overvoltage
KHADKA-AURANGABAD (WALUJ)	IntraState	12/11/2023	19:27	14/11/2023	09:33	HT	For overvoltage management.
LONIKAND 2 - KARJAT CKT - 1	IntraState	13/11/2023	19:23	14/11/2023	05:34	T	Tripped on R ph to Y ph fault
LONIKAND 2 - KARJAT CKT - 2	IntraState	13/11/2023	19:23	14/11/2023	05:37	T	tripped on R and Y ph fault
NEW KOYNA-KARAD CKT - 2	IntraState	13/11/2023	20:29			HT	Handtrip to control overvoltage.
KHADKA-AURANGABAD (WALUJ)	IntraState	14/11/2023	19:52		Continued.	HT	H/T For voltage management.
JAIGAD - KARAD CKT - 2	IntraState	14/11/2023	20:07		Continued.	HT	H/T For voltage management.
LONIKAND I - KOYNA STAGE-IV	IntraState	15/11/2023	03:05		Continued.	HT	Handtripped to control overvoltage.
LONIKAND I - KOYNA STAGE-IV	IntraState	15/11/2023	07:30	15/11/2023	19:46	PO	Restinging of Conductor between Loc No 90-93 Due to low sag clearance & Cold line washing work
220 KV KRUSHNOOR - KUMBHARGAON (400 KV) CKT -2	IntraState	15/11/2023	11:30	15/11/2023	13:25	PO	FIXING OF PILOT STRING OF R AND B PHASE
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.
400/220KV 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

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Nov/2023

Statement-VII

Position as on 6.30 Hrs of 15/Nov/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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) - NAVASARI CKT - 2	IntraState	26/10/2023	20:16			HT	Charged from Navsary end only
NERLE - PEDAMBE	IntraState	12/11/2023	20:16			T	Y ph CT burst at Pedhambe end of Nerle line
JEJURI - BARAMATI	IntraState	14/11/2023	09:40	14/11/2023	17:03	PO	1. Annual Diagnostic testing & maintenance, 2. Attending red hot spot Jumpers nut bolt tightening work at cut pts. Loc. No. (total 36) Corline cleaning of disc insulator strings from Loc No. 4 to 44 by LMSDN BMT.
WALUJ - CHITEGAON I	IntraState	14/11/2023	10:05	14/11/2023	22:46	HT	For availing outage on ICT at Aurangabad(PG)
BOMBAY DYEING - SAHARA	IntraState	14/11/2023	10:26	14/11/2023	18:12	PO	For OPGW installation work from T. No 116 2 T. No .126. The condition of existing earth wire is not good in this section . Hence, Shutdown is proposed The condition of existing earth wire is not good in this section .
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 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