

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 16/Nov/2023 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	162.781	2692.439	1) Gujrat	5.477	48.179
2) Hydro	6.172	119.966	2) Madhya Pradesh	5.447	70.863
3) Gas	5.395	86.596	3) Chattisgarh	8.650	125.970
Total MSPGCL	174.348	2899.001	4) Maharashtra	188.888	3252.855
B) 1) APLM	28.065	764.236	5) Goa (Amona)	-1.833	-23.341
2) JSWEL	23.120	392.303	Total	206.629	3474.526
3) VIPL	0.000	0.000	a) Mumbai Schedule	38.730	619.107
4) RPL(AMT)	25.386	384.734	b) Mumbai Drawl	43.769	660.688
5) SWPGPL	11.740	166.767	c) MSEDCL Bilateral *	85.381	1529.699
6) Other IPP	29.718	363.590	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	38.730	619.090
C) 1) TPCL Thermal	10.699	190.646	Include PX	0.000	0.000
2) TPCL Hydro	2.723	41.183	Standby	0.000	0.017
3) TPCL Gas	2.243	36.923	H) ENERGY CATERED (MUs)		
4) AEML Thermal	4.603	132.503	1) MSEDCL	466.840	7975.180
D) STATE			2) Mumbai Discoms	64.037	1061.921
1) Thermal	296.112	5087.218	3) Other Discoms	10.369	166.976
(A1+C1+C4+(B1-B6))			TOTAL STATE	541.246	9204.077
2) Hydro (A2+C2)	8.895	161.149			
3) Gas (A3+B7+C3)	7.638	123.519			
4) Wind	8.185	147.953			
6) SOLAR	13.787	209.734			
TOTAL STATE	334.617	5729.573			

* 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 13 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	6960	6513	6910	6521
MSPGCL Hydro	450	150	352	171
MSPGCL Gas	267	280	282	141
MSPGCL Total Generation	7677	6943	7544	6833
Central Sector Receipt	10352	10328	8570	7026
WIND	408	162	147	585
CPP / IPP Thermal	4586	4460	6148	4440
CPP / IPP Gas	0	0	0	0
SOLAR	1923	2052	0	0
Exchange with Mumbai	-2160	-2230	-1678	-1511
MSEDCL DEMAND MET	22327	21264	20262	17008
Load Shedding	0	0	0	0
MSEDCL DEMAND	22327	21264	20262	17008
TPCL GENERATION	687	691	1169	488
AEML GENERATION	218	190	203	161
MUMBAI DEMAND	3065	3111	3050	2160
OTHER DISCOM DEMAND	459	451	469	365
STATE DEMAND MET	25851	24826	23781	19533
STATE DEMAND	25851	24826	23781	19533
Frequency (Hz)	50.02	50.07	50.03	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.24 Hz at 13.02 Hrs	49.73 Hz at 17.52 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 16/Nov/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.92	64.55	180	125
Unit 8	14.45	165.12	634	566
Unit 9	6.01	206.99	571	0
Unit 10	14.00	222.59	605	550
Total	38.38	659.25		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	10.57	134.00	450	400
Unit 5	10.66	155.28	470	345
Total	21.22	289.28		
Parli				
Unit 6	4.64	75.20	246	151
Unit 7	4.77	62.86	248	151
Unit 8	5.02	81.07	250	149
Total	14.42	219.12		
Chandrapur				
Unit 3	3.52	55.66	156	122
Unit 4	3.60	57.24	153	148
Unit 5	10.42	165.16	465	400
Unit 6	7.97	130.37	395	235
Unit 7	7.42	123.86	343	263
Unit 8	11.21	173.76	486	446
Unit 9	11.36	177.09	482	465
Total	55.51	883.14		
Paras				
Unit 3	5.07	86.53	232	190
Unit 4	5.48	86.68	242	220
Total	10.56	173.21		
Khaparkheda				
Unit 1	3.90	54.16	180	140
Unit 2	2.48	44.47	129	61
Unit 3	3.85	60.15	177	131
Unit 4	0.36	37.31	128	0
Unit 5	5.03	146.03	445	0
Total	15.61	342.13		
Nasik				
Unit 3	3.70	48.22	172	123
Unit 4	3.38	52.51	158	61
Unit 5	0.00	25.59	0	0
Total	7.08	126.32		
Uran				
All Units	5.40	86.60	293	140
Total	5.40	86.60		
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)	0.38	12.60	47	0
Total	0.38	12.60		
Koyna				
Stage 1-2	2.13	31.67	295	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.39	13.36	252	0
Stage 3	0.49	10.58	160	0
Total	3.02	55.61		
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.	0.12	2.34	40	0
SMLHY_PTN	2.66	41.88	133	90
GHATGHAR	0.00	1.46	0	0
Total	2.78	51.75		
Wind				
Total	8.18	147.95	0	0
Total	8.18	147.95		
CPP				
APML(Mus)	28.06	764.24	0	0
JSWEL(Mus)	23.12	392.30	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.39	384.73	0	0
SWPGPL-Mus	11.74	166.77	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.32	84.90	267	201
Other(Mus)	24.40	273.88	0	0
JPL	0.00	4.81	0	0
Total	118.03	2071.63		
SOLAR				
Total	13.79	209.73	0	0
Total	13.79	209.73		
Tata				
Trombay 5	7.04	124.69	411	263
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.26	21.19	108	39
Trombay 7B	0.99	15.74	64	35
TATA Hydro	2.72	41.18	355	15
Trombay 8	3.66	65.95	231	131
Total	15.66	268.75		
AEML				
DTPS U-1&2	4.60	132.50	239	160
Total	4.60	132.50		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	162.78	2692.44	MSPGCL Total	174.35	2899.00
			MSPGCL Thml+Gas	168.18	2779.04	Koyna 1,2 & 4 Total	2.52	45.03
			MSPGCL Hydro	6.17	119.97	State Total	334.62	5729.57

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 16/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	6610	177	140	6927	566	4474	0	0	7498	7254	-1769	17033	0	0	17033	2474	419	19926	50.04
2	6636	178	142	6956	588	4486	0	0	7341	7073	-1624	17087	0	0	17087	2308	392	19787	50.03
3	6521	171	141	6833	585	4440	0	0	7382	7026	-1511	17008	0	0	17008	2160	365	19533	50.01
4	6516	171	142	6829	580	4387	0	0	7296	7143	-1394	17191	0	0	17191	2062	354	19607	50.02
5	6604	210	142	6956	564	4479	0	0	7458	7408	-1332	17719	0	0	17719	2017	356	20092	49.97
6	6912	184	142	7238	500	4568	0	0	8172	7836	-1335	18416	0	0	18416	2072	391	20879	49.98
7	6977	193	143	7313	508	4432	0	26	8853	8386	-1362	18902	0	0	18902	2115	401	21418	49.97
8	6930	468	146	7544	418	4486	0	345	8615	8671	-1518	19502	0	17	19502	2275	444	22221	50.02
9	7126	431	146	7703	336	4557	0	947	8788	9035	-1729	20395	0	30	20395	2562	454	23411	50.01
10	7131	556	176	7863	386	4661	0	1433	9463	9772	-2033	21619	0	36	21619	2850	463	24932	50.02
11	6960	450	267	7677	408	4586	0	1923	10287	10352	-2160	22327	0	35	22327	3065	459	25851	50.02
12	6680	235	281	7196	266	4561	0	2080	10704	10691	-2251	22089	0	35	22089	3131	454	25674	50.01
13	6513	150	280	6943	162	4460	0	2052	10526	10328	-2230	21264	0	81	21264	3111	451	24826	50.07
14	6559	144	270	6973	139	4378	0	1911	10257	10392	-2239	21109	0	90	21109	3018	445	24572	49.98
15	6468	200	276	6944	108	4405	0	1613	10609	10762	-2242	21151	0	82	21151	3053	439	24643	49.93
16	6942	203	278	7423	85	4801	0	994	10528	10283	-2265	20840	0	39	20840	3082	481	24403	49.93
17	7027	293	279	7599	97	5198	0	397	9687	9738	-2140	20441	0	29	20441	3049	448	23938	49.91
18	6999	644	281	7924	103	5841	0	66	8133	8199	-1717	19960	0	26	19960	3023	456	23439	50.02
19	6910	352	282	7544	147	6148	0	0	8958	8570	-1678	20262	0	10	20262	3050	469	23781	50.03
20	6908	208	282	7398	237	6228	0	0	8720	8191	-1915	19677	0	0	19677	2924	462	23063	50.02
21	6813	139	287	7239	203	6028	0	0	7691	7237	-1848	18391	0	0	18391	2797	468	21656	50.02
22	6611	138	290	7039	273	5543	0	0	7602	7470	-1848	18028	0	0	18028	2686	449	21163	50.01
23	6774	139	289	7202	413	5648	0	0	7389	7315	-1847	18291	0	0	18291	2599	440	21330	50.05
24	6654	139	293	7086	513	5234	0	0	7777	7496	-1782	18138	0	0	18138	2554	409	21101	50.01
MUs	162.78	6.17	5.39	174.35	8.18	118.03	0.00	13.79	209.73	206.63	-43.77	466.84	0.00	0.51	466.84	64.04	10.37	541.25	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) TF overloaded at Kopargaon S/s.
- 2) Osmanabad Solapur line load manage.
- 3) Overloading of 220kv Jejuri Baramati line.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 16/Nov/2023

Position as on 6.30 Hrs of 17/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	18/11/2023
IPP	JPL Unit 1	150	03/11/2023	00:01		Continued.	For attending Hotspot of 220 KV Evacuation Line	20/11/2023
MSPGCL	Nasik Unit 5	210	09/11/2023	15:48		Continued.	ID Fan Problem	18/11/2023
MSPGCL	Khaparkheda Unit 4	210	10/11/2023	13:48	16/11/2023	20:16	Air heater 4A stopped rotating	15/11/2023
MSPGCL	Uran Unit 7	108	11/11/2023	00:14	16/11/2023	08:28	Gas shortage	
IPP	Adani U-3	660	11/11/2023	22:00	16/11/2023	16:51	Zero Schedule	16/11/2023
IPP	Adani U-2	660	12/11/2023	00:37	16/11/2023	14:54	Zero Schedule	16/11/2023
IPP	Adani U-1	660	12/11/2023	14:11		Continued.	Zero Schedule	
MSPGCL	Khaparkheda Unit 5	500	14/11/2023	02:56	16/11/2023	10:18	Boiler Tube Leakage	17/11/2023
MSPGCL	Koradi Unit 9	660	16/11/2023	11:21		Continued.	SUSPECTED BTL	19/11/2023
IPP	Adani U-5	660	16/11/2023	23:16		Continued.	Zero Schedule	
MSPGCL	Nasik Unit 4	210	16/11/2023	23:25		Continued.	Stator Earth Fault	17/11/2023

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Nov/2023

Statement-VII

Position as on 6.30 Hrs of 17/Nov/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							
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 $\Delta Y \Delta$ 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.
KHARGHAR - VIKHROLI GIS CKT - 2	IntraState	29/10/2023	04:45			HT	Line Hand tripped for safety purpose during tap period of Katai nakka.
NEW KOYNA-KARAD CKT - 2	IntraState	13/11/2023	20:29	17/11/2023	08:40	HT	Handtrip to control overvoltage.
KHADKA-AURANGABAD (WALUJ)	IntraState	14/11/2023	19:52	16/11/2023	08:36	HT	H/T For voltage management.
JAIGAD - KARAD CKT - 2	IntraState	14/11/2023	20:07	16/11/2023	08:50	HT	H/T For voltage management.
LONIKAND I - KOYNA STAGE-IV	IntraState	15/11/2023	03:05	16/11/2023	08:27	HT	Handtripped to control overvoltage.
JEJURI- KOYNA STAGE-IV	IntraState	16/11/2023	09:32	16/11/2023	17:55	PO	Conductor restringing work between loc no 90-93 and cold line washing work
KHADKA-AURANGABAD (WALUJ)	IntraState	16/11/2023	21:18	17/11/2023	08:01	HT	H/T For Voltage management.
JAIGAD - KARAD CKT - 1	IntraState	16/11/2023	23:11	17/11/2023	09:18	HT	H/T For voltage management.
NEW KOYNA-KARAD CKT - 1	IntraState	17/11/2023	09:43			PO	Cold line washing 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.
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
400/220/33 KV 500 MVA ICT - 2 @ JEJURI	IntraState	16/11/2023	11:06	16/11/2023	20:18	PO	For Maintenance & Testing work
220 KV LINE Outages/Trippings							

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Nov/2023

Statement-VII

Position as on 6.30 Hrs of 17/Nov/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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	17/11/2023	04:36	T	Y ph CT burst at Pedhambe end of Nerle line
MAHAPE - TFIPL	IntraState	16/11/2023	07:48	16/11/2023	10:45	T	Tripped on ph to ph fault
BABLESHWAR- ALEPHATA CKT - 1	IntraState	16/11/2023	08:54	16/11/2023	13:47	PO	For replacement of bend cross arm at loc 102 Y ph
ONI KHAREPATAN LINE	IntraState	16/11/2023	09:15	16/11/2023	18:10	PO	For replacement of insulators detected critical in PID testing
PIRANGUT - HINJAWADI 2	IntraState	16/11/2023	09:16	16/11/2023	14:01	PO	Half yearly maintenance & DT work
132 KV AMRAVATI (220 KV) - CHANDUR BAZAR CKT	IntraState	16/11/2023	09:58	16/11/2023	14:42	PO	Replacement Of Flash Over String At L. No. 31 R-Ph.
132 KV JALGAON JAMOD - BALAPUR - CKT 1	IntraState	16/11/2023	10:07	16/11/2023	14:43	PO	Replacement Of Flash Over String At L. No. 31 R-Ph.
KUMBHARGAON-BHOKAR CKT 1	IntraState	16/11/2023	11:33	16/11/2023	15:04	PO	Fixing Of Pilot String At Loc 5.
OSMANABAD - PARLY (PG)	IntraState	16/11/2023	12:23			PO	For HTLS Reconductoring works of 400kV Parli-Parli(M) line-Ckt#2
KHARGHAR - BORIVALI CKT - 2	IntraState	16/11/2023	22:20	17/11/2023	06:07	PO	For replacement of old hardware at Critical crossing locations Loc. No. 12, 13, 14, 17, 18 & 19 (Total 48/48 sets are balance)
MULUND - GIS BHANDUP	IntraState	16/11/2023	22:34	17/11/2023	05:57	PO	For replacement of old hardware at Critical crossing locations Loc. No. 12, 13, 14, 17, 18 & 19 (Total 48/48 sets are balance)
DAHANU - VERSOVA	IntraState	17/11/2023	08:33			PO	Replacement of porcelain type lightning arrestors by polymer lightning arrestors of all three phases.
EKLAHARE (GCR) - AIROLI KNOW PARK	IntraState	17/11/2023	09:04			PO	Diagnostic testing work and bay maintenance work
MALEGAON - SAYNE	IntraState	17/11/2023	09:32			PO	for bay maintenance 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.
220/132/11KV 200 MVA ICT 2 @ MALINAGAR	IntraState	16/11/2023	15:30	16/11/2023	17:41	PO	Outage is required for HV side Bph ct spot attending work
220/132KV 100 MVA ICT 1	IntraState	16/11/2023	15:45	16/11/2023	20:10	PO	Foe BCPU Relay Testing Work.
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.
BHIRA (T) - DAVDI	IntraState	17/11/2023	09:31			PO	PROJECT WORK-CRP replacement, SCADA replacement, Carrier and DT trials, 110KV B/F Replay replacement, CT& Line PT testing.

