

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 15/Nov/2023 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	162.652	2529.658	1) Gujrat	3.697	42.702
2) Hydro	5.103	113.794	2) Madhya Pradesh	5.228	65.416
3) Gas	3.312	81.201	3) Chattisgarh	9.300	117.320
Total MSPGCL	171.067	2724.653	4) Maharashtra	180.386	3063.967
B) 1) APLM	18.620	736.171	5) Goa (Amona)	-1.606	-21.508
2) JSWEL	22.534	369.183	Total	197.005	3267.897
3) VIPL	0.000	0.000	a) Mumbai Schedule	38.344	580.377
4) RPL(AMT)	25.495	359.348	b) Mumbai Drawl	42.077	616.919
5) SWPGPL	11.674	155.027	c) MSEDCL Bilateral *	82.463	1444.319
6) Other IPP	28.641	333.872	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	38.344	580.360
C) 1) TPCL Thermal	9.884	179.947	Include PX	0.000	0.000
2) TPCL Hydro	2.176	38.460	Standby	0.000	0.017
3) TPCL Gas	2.243	34.680	H) ENERGY CATERED (MUs)		
4) AEML Thermal	4.444	127.900	1) MSEDCL	444.357	7508.340
D) STATE			2) Mumbai Discoms	60.805	997.884
1) Thermal	283.944	4791.106	3) Other Discoms	10.207	156.607
(A1+C1+C4+(B1-B6))			TOTAL STATE	515.369	8662.831
2) Hydro	7.279	152.254			
(A2+C2)					
3) Gas	5.555	115.881			
(A3+B7+C3)					
4) Wind	7.443	139.768			
6) SOLAR	14.162	195.947			
TOTAL STATE	318.383	5394.956			

* 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 4 Hrs
MSPGCL Thermal	6977	6086	6971	6823
MSPGCL Hydro	180	173	346	172
MSPGCL Gas	139	135	134	142
MSPGCL Total Generation	7296	6394	7451	7137
Central Sector Receipt	9465	9521	8469	6889
WIND	279	187	173	467
CPP / IPP Thermal	4310	4189	4898	4390
CPP / IPP Gas	0	0	0	0
SOLAR	1954	2100	0	0
Exchange with Mumbai	-1962	-2017	-1651	-1419
MSEDCL DEMAND MET	20893	19937	18868	17148
Load Shedding	0	0	0	0
MSEDCL DEMAND	20893	19937	18868	17148
TPCL GENERATION	576	576	964	508
AEML GENERATION	207	188	232	158
MUMBAI DEMAND	2745	2781	2847	2085
OTHER DISCOM DEMAND	449	437	472	316
STATE DEMAND MET	24087	23155	22187	19549
STATE DEMAND	24087	23155	22187	19549
Frequency (Hz)	50.04	50.00	50.04	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.2 Hz at 16:01 Hrs	49.78 Hz at 08:38 Hrs	50.01	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 15/Nov/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.61	60.64	180	125
Unit 8	14.34	150.67	624	565
Unit 9	14.27	200.98	622	543
Unit 10	13.72	208.58	600	540
Total	45.93	620.88		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	9.66	123.42	455	290
Unit 5	10.20	144.63	480	285
Total	19.86	268.06		
Parli				
Unit 6	4.07	70.56	217	134
Unit 7	3.90	58.09	227	137
Unit 8	4.55	76.05	250	145
Total	12.52	204.70		
Chandrapur				
Unit 3	3.47	52.14	155	131
Unit 4	3.53	53.64	155	123
Unit 5	10.75	154.73	475	345
Unit 6	7.79	122.40	390	230
Unit 7	7.59	116.44	341	277
Unit 8	11.05	162.55	481	403
Unit 9	11.23	165.73	479	400
Total	55.42	827.63		
Paras				
Unit 3	5.65	81.46	242	222
Unit 4	5.80	81.20	251	226
Total	11.45	162.66		
Khaparkheda				
Unit 1	3.89	50.26	180	120
Unit 2	2.91	42.00	136	102
Unit 3	4.07	56.30	178	147
Unit 4	0.00	36.95	0	0
Unit 5	0.00	141.00	0	0
Total	10.87	326.52		
Nasik				
Unit 3	3.35	44.52	162	124
Unit 4	3.26	49.13	158	124
Unit 5	0.00	25.59	0	0
Total	6.61	119.23		
Uran				
All Units	3.31	81.20	143	130
Total	3.31	81.20		
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)	0.09	12.23	24	0
Total	0.09	12.23		
Koyna				
Stage 1-2	1.40	29.54	145	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.00	12.96	0	0
Stage 3	0.36	10.09	154	0
Total	1.76	52.60		
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.	0.08	2.22	40	0
SMLHY_PTN	3.17	39.22	134	130
GHATGHAR	0.00	1.46	0	0
Total	3.25	48.97		
Wind				
Total	7.44	139.77	0	0
Total	7.44	139.77		
CPP				
APML(Mus)	18.62	736.17	0	0
JSWEL(Mus)	22.53	369.18	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.50	359.35	0	0
SWPGPL-Mus	11.67	155.03	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.15	79.58	259	163
Other(Mus)	23.49	249.49	0	0
JPL	0.00	4.81	0	0
Total	106.96	1953.60		
SOLAR				
Total	14.16	195.95	0	0
Total	14.16	195.95		
Tata				
Trombay 5	6.56	117.65	368	264
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.28	19.93	108	39
Trombay 7B	0.96	14.75	64	34
TATA Hydro	2.18	38.46	237	35
Trombay 8	3.32	62.29	197	132
Total	14.30	253.09		
AEML				
DTPS U-1&2	4.44	127.90	248	157
Total	4.44	127.90		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	162.65	2529.66	MSPGCL Total	171.07	2724.65
			MSPGCL Thml+Gas	165.96	2610.86	Koyna 1,2 & 4 Total	1.40	42.50
			MSPGCL Hydro	5.10	113.79	State Total	318.38	5394.96

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 15/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	6709	172	140	7021	378	4446	0	0	7491	7351	-1761	17041	0	0	17041	2490	394	19925	50.04
2	6874	171	140	7185	429	4461	0	0	7170	7161	-1631	17231	0	0	17231	2329	374	19934	50.01
3	6879	171	142	7192	418	4460	0	0	7219	6935	-1523	17129	0	0	17129	2193	353	19675	49.99
4	6823	172	142	7137	467	4390	0	0	7108	6889	-1419	17148	0	0	17148	2085	316	19549	50.01
5	6935	210	143	7288	446	4429	0	0	7352	7372	-1393	17797	0	0	17797	2063	345	20205	50.01
6	7073	171	142	7386	466	4543	0	0	8024	7995	-1414	18606	0	0	18606	2086	370	21062	49.98
7	7124	187	143	7454	461	4461	0	36	8636	8333	-1438	18899	0	0	18899	2112	408	21419	49.99
8	7182	194	141	7517	419	4472	0	358	8324	8292	-1508	19121	0	0	19121	2203	429	21753	49.93
9	7034	318	143	7495	236	4323	0	948	8318	8433	-1666	19322	0	0	19322	2405	447	22174	49.93
10	7120	253	139	7512	296	4379	0	1517	8573	8909	-1776	20392	0	0	20392	2597	445	23434	49.98
11	6977	180	139	7296	279	4310	0	1954	9533	9465	-1962	20893	0	7	20893	2745	449	24087	50.04
12	6661	179	135	6975	230	4254	0	2069	9797	9491	-1987	20573	0	7	20573	2803	459	23835	50.04
13	6086	173	135	6394	187	4189	0	2100	9404	9521	-2017	19937	0	6	19937	2781	437	23155	50.00
14	6157	183	134	6474	194	4186	0	1967	9156	9308	-2008	19685	0	1	19685	2718	436	22839	50.02
15	6341	178	133	6652	173	4203	0	1621	9292	9445	-2055	19586	0	0	19586	2747	453	22786	49.96
16	6729	187	130	7046	176	4290	0	1099	9441	9380	-2061	19464	0	0	19464	2784	466	22714	50.02
17	6846	277	133	7256	195	4362	0	442	8924	8691	-1953	18531	0	0	18531	2750	462	21743	50.00
18	6968	276	134	7378	135	4827	0	51	7856	7798	-1552	18162	0	0	18162	2738	475	21375	49.97
19	6971	346	134	7451	173	4898	0	0	8572	8469	-1651	18868	0	0	18868	2847	472	22187	50.04
20	6874	344	135	7353	165	4749	0	0	8539	8294	-1868	18235	0	0	18235	2808	458	21501	50.03
21	6731	224	137	7092	251	4576	0	0	7570	7584	-1843	17204	0	0	17204	2740	456	20400	50.05
22	6664	179	137	6980	340	4575	0	0	7484	7247	-1872	16812	0	0	16812	2660	458	19930	50.05
23	6443	174	140	6757	436	4598	0	0	7646	7198	-1843	16708	0	0	16708	2564	438	19710	50.01
24	6451	184	141	6776	493	4583	0	0	7638	7444	-1876	17012	0	0	17012	2576	408	19996	50.03
MUs	162.65	5.10	3.31	171.07	7.44	106.96	0.00	14.16	199.07	197.01	-42.08	444.36	0.00	0.02	444.36	60.82	10.21	515.39	50.01

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 BBLR-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 15/Nov/2023

Position as on 6.30 Hrs of 16/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
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	Khaparkheda Unit 5	500	14/11/2023	02:56		Continued.	Boiler Tube Leakage	17/11/2023

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Nov/2023

Statement-VII

Position as on 6.30 Hrs of 16/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 $\epsilon Y \epsilon$ 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			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.
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
220 KV LINE Outages/Trippings							

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Nov/2023

Statement-VII

Position as on 6.30 Hrs of 16/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			T	Y ph CT burst at Pedhambe end of Nerle line
BABLESHWAR- ALEPHATA CKT - 1	IntraState	16/11/2023	08:54			PO	For replacement of bend cross arm at loc 102 Y 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 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